

# 太阳能电池研究用试剂

## Solar Cell Materials



钙钛矿太阳能电池材料

有机薄膜太阳能电池(OPV)材料

染料敏化太阳能电池(DSSC)材料

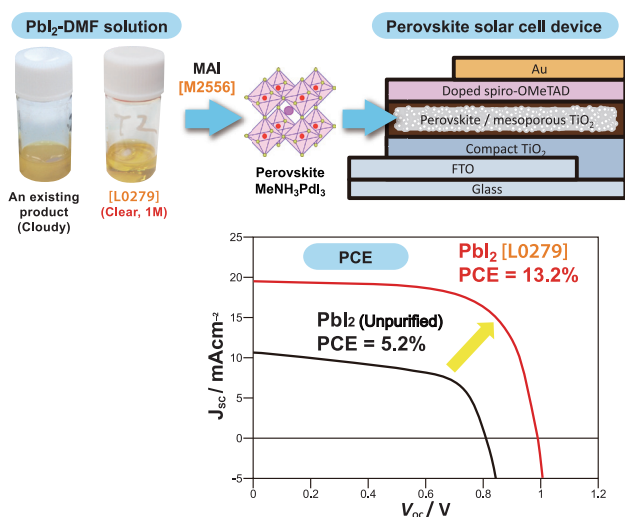
# 太阳能电池研究用试剂

阳光，作为自然界最重要的可再生能源之一，是解决二十一世纪全球环境与能源问题的有效方案。为了尽可能有效的使用太阳能资源，价廉高效能的太阳能电池得到蓬勃发展并应用于实际生产生活。众所周知，具有实际应用的硅基太阳能电池生产成本低，其他无机基太阳能电池也存在相同的问题。因为成本高的问题，基于有机材料以及有机无机混合材料的太阳能电池得以研发出来。

## 1. 钙钛矿太阳能电池材料

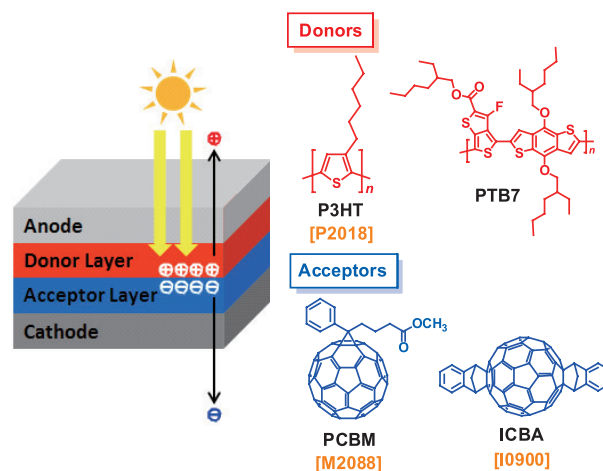
钙钛矿太阳能电池，首次是由Miyasaka等在2009年研究发现，最近受到了广泛关注<sup>1)</sup>。

有机-无机杂化钙钛矿， $RNH_3PbX_3$  ( $X=Cl, Br, I$ ;  $R=Me, NH=CH$ , 等)，可以作为光线吸收层。自2012年起，钙钛矿太阳能电池的能量转换效率 (power conversion efficiency, PCE) 与其他电池材料如OPV和DSSC相比得到大幅度提升，可以达到15%<sup>2-5)</sup>。钙钛矿太阳能电池材料器件可以使用溶液加工因而可以相对低成本制造得到。有机无机钙钛矿材料 $RNH_3PBX_3$ 可以由有机胺和卤化铅的HX盐简易制备。其中 $(MeNH_3)PbX_3$ 中卤素X的改变可以调节吸收波长的范围<sup>6)</sup>。当钙钛矿材料化合物中 $X=Br$ 时，可以有效吸收短波长的太阳光。当 $X=I$ 时，相对的对于吸收长波长的光更加有效。Wakamiya等报道了使用超干的 $PbI_2(II)$ 对于制造具有高重现性以及高效的太阳能电池器件至关重要 (PCE>10)<sup>7,8)</sup>。钙钛矿层和OPV中的载流子行为不同，因此有一些自由载流子中的电子和空穴之间可以自由移动<sup>9)</sup>。因此，钙钛矿层不用复合就可以传输电子和空穴载流子。



## 2. 有机薄膜太阳能电池(OPV)材料

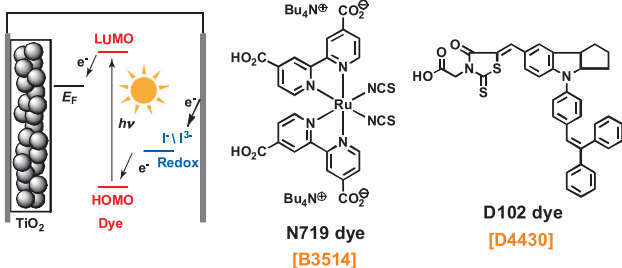
有机光伏太阳能电池材料的雏形是由Tang等人在1986年10月最初报道的<sup>10)</sup>。为了制造光伏器件，我们可以使用更加高效的生产手段例如打印和卷对卷的生产技术。OPV器件通常需要混合异质结材料(bulk heterojunctions, BHJ)，可以通过混合电子供体(P型半导体)和电子受体(N-型半导体)得以制造<sup>11)</sup>。P型半导体是n型-共轭聚合物和小分子半导体。N型半导体通常是富勒烯衍生物。PCBM是溶解度提高的富勒烯，可以有效的座位混合异质结<sup>12)</sup>。ICBM相对于PCBM，因为具有较高LUMO值，因此具有高的开路电压<sup>13)</sup>。C70衍生物相对于C60而言因为吸收光的效率更高，所以通常具有高的电池效率<sup>14)</sup>。我们可以在P型半导体聚合物中引入受体组分形成供体-受体聚合物(Donor-Acceptor即DA模型)。基于电子传输，该物质可以在长波长范围内光的域吸收<sup>15)</sup>。



## 3. 染料敏化太阳能电池(DSSC)材料

Grätzel等1991年首次研发出染料敏化太阳能电池<sup>16)</sup>。染料敏化太阳能电池(DSSC)是液态型器件包括纳米孔结构的二氧化钛作为半导体电极，有机染料敏化剂和包含氧化还原成分的电解质溶液。因为与其他太阳能电池相比，结构简单，所以成本应该会相对较低<sup>17)</sup>。DSSC可以在弱光下使用，因此该类型电池可以安装在室内。金属钌与吡啶配体的络合物是太阳能电池材料中最流行的<sup>18)</sup>。在聚吡啶配体与钌的络合物中，可以引入羧基和磷酸基团与二氧化钛形成键合。而且，不含任何贵金属钌的有机染料(例如：D-102, D-131 and D-358)也相应发展出来<sup>19,20)</sup>。

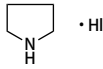
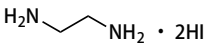
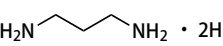
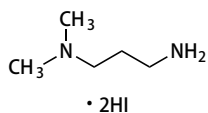
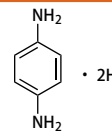
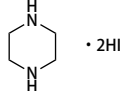
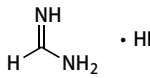
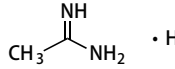
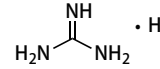


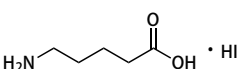
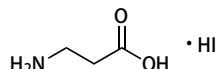
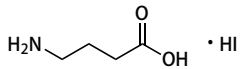

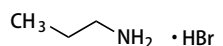
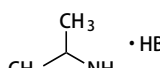
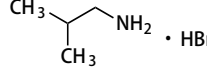
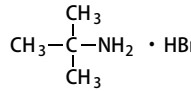

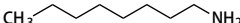
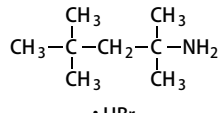
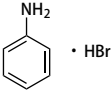
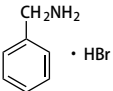
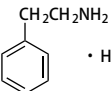
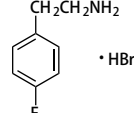
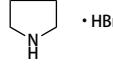
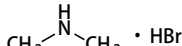
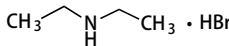
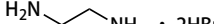
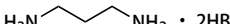
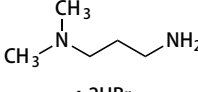
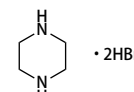
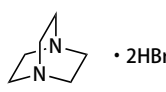
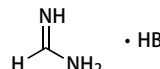
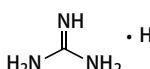
最近，用于DSSC的高效绿色的卟啉锌染料的PCE具有超过10%的能量转换效率<sup>21, 22)</sup>。而且，用于DSSC的高效蓝色不含金属的有机染料含有二羧代吡咯并吡咯结构也被开发出来用于DSSC材料(PCE > 10)<sup>23)</sup>。

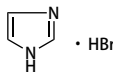

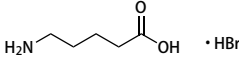
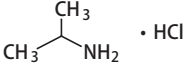
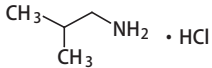
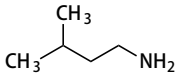
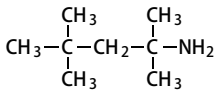

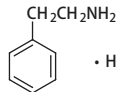
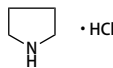
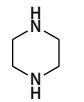


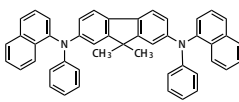
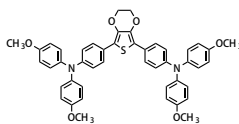
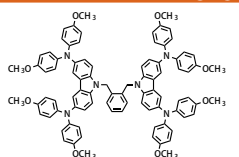
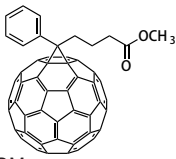
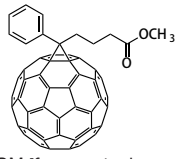

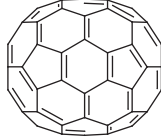
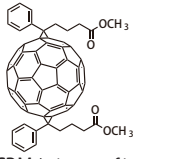


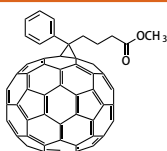
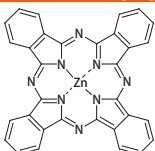
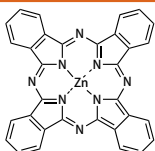
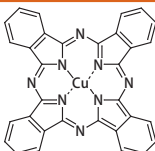
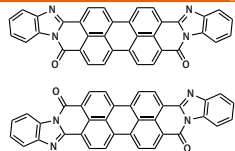
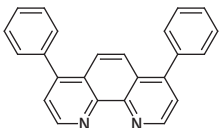
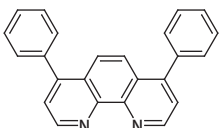
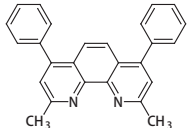
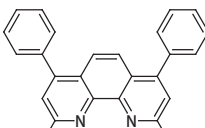
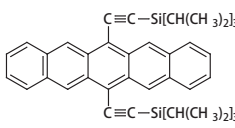
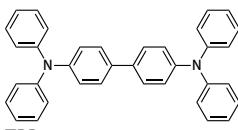
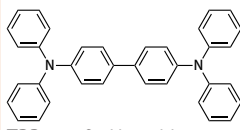
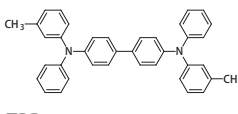
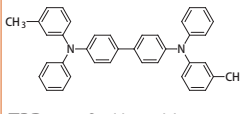
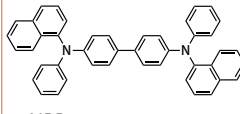
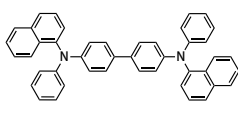
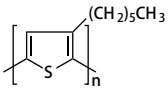



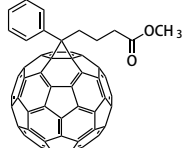
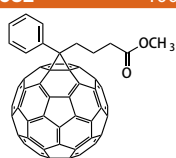
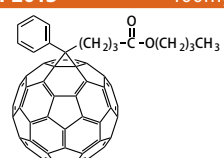
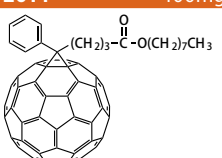
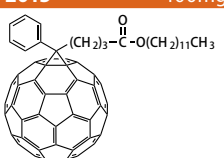

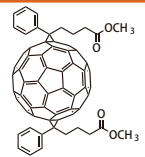
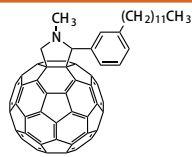
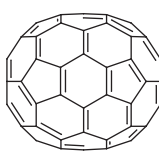
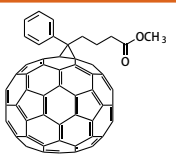
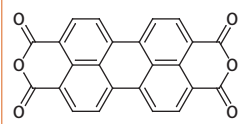
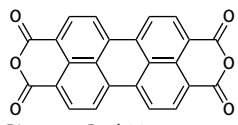
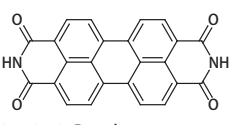
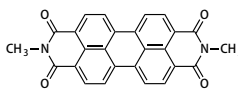
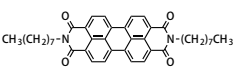
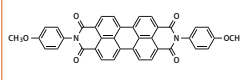
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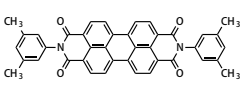
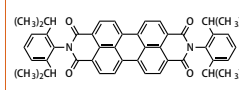
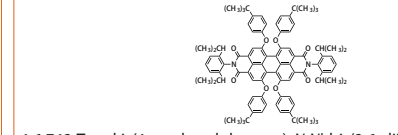
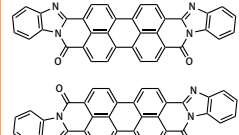
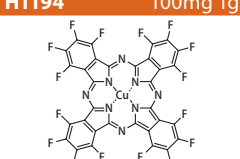
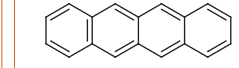
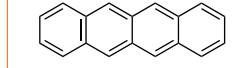
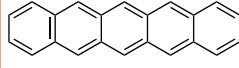
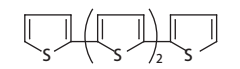
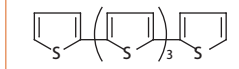
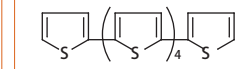
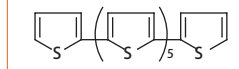
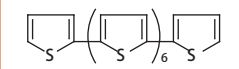
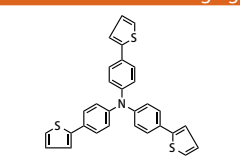
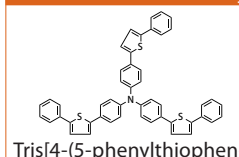
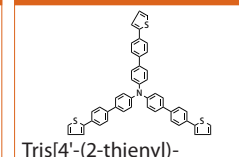
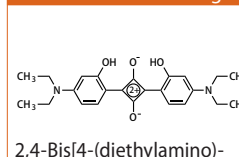
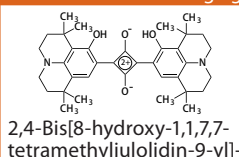
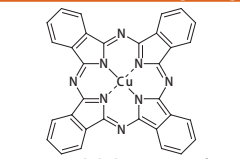
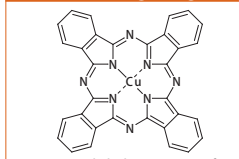
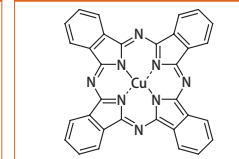
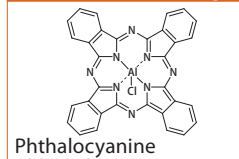
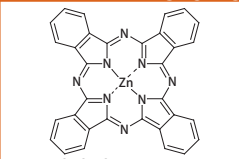
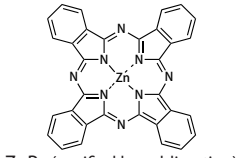
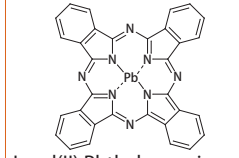
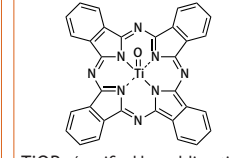
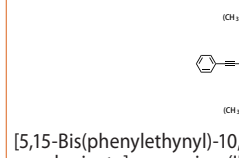
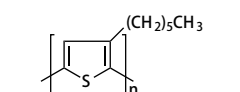
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钙钛矿太阳能电池材料 Perovskite Solar Cell Materials		卤化铅 Lead Halides		P2415 1g 5g 25g	L0279 1g 5g 25g 100g 1kg
L0288 1g 5g 25g	L0291 1g 5g	L0292 1g 5g 25g	C3569 1g 5g	其他铅化合物 Other Lead Compounds	
PbBr <sub>2</sub> Lead(II) Bromide [for Perovskite precursor] CAS RN: 10031-22-8	PbCl <sub>2</sub> Lead(II) Chloride (purified by sublimation) [for Perovskite precursor] CAS RN: 7758-95-4	PbCl <sub>2</sub> Lead(II) Chloride [for Perovskite precursor] CAS RN: 7758-95-4	CsPbBr <sub>3</sub> Cesium Lead Tribromide (Low water content) CAS RN: 15243-48-8		
L0315 1g 5g 25g	L0330 25g 100g	卤化铋 Bismuth Halides		卤化锡 Tin Halides	
$\left[ \text{CH}_3-\overset{\text{O}}{\parallel}{\text{C}}-\text{O}^- \right]_2 \text{Pb}^{2+}$ Lead(II) Acetate [for Perovskite precursor] CAS RN: 301-04-2	$\left[ \text{CH}_3-\overset{\text{O}}{\parallel}{\text{C}}-\text{O}^- \right]_2 \text{Pb}^{2+} \cdot 3\text{H}_2\text{O}$ Lead(II) Acetate Trihydrate CAS RN: 6080-56-4	BiI <sub>3</sub> Bismuth(III) Iodide Anhydrous CAS RN: 7787-64-6			
T3449 1g 5g	卤化铯 Cesium Halides		C2205 25g	C2202 25g 100g	C2203 25g 100g
SnI <sub>2</sub> Tin(II) Iodide [for Perovskite precursor] CAS RN: 10294-70-9			CsI Cesium Iodide CAS RN: 7789-17-5	CsBr Cesium Bromide CAS RN: 7787-69-1	CsCl Cesium Chloride CAS RN: 7647-17-8
有机鏽盐 Organic Onium Salts		碘化盐 Iodide Salts		M2556 1g 5g 25g 100g	E1045 1g 5g
				CH <sub>3</sub> NH <sub>2</sub> · HI Methylamine Hydroiodide (Low water content) CAS RN: 14965-49-2	CH <sub>3</sub> CH <sub>2</sub> NH <sub>2</sub> · HI Ethylamine Hydroiodide CAS RN: 506-58-1
I0934 1g 5g	B4433 1g 5g	I0935 1g 5g	B4434 1g 5g	P2212 1g 5g	
$\text{CH}_3-\overset{\text{CH}_3}{\underset{\text{CH}_3}{\text{C}}}-\text{NH}_2 \cdot \text{HI}$ Isopropylamine Hydroiodide CAS RN: 66735-20-4	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> NH <sub>2</sub> · HI Butylamine Hydroiodide CAS RN: 36945-08-1	$\text{CH}_3-\overset{\text{CH}_3}{\underset{\text{CH}_3}{\text{C}}}-\text{NH}_2 \cdot \text{HI}$ Isobutylamine Hydroiodide CAS RN: 205508-75-4	$\text{CH}_3-\overset{\text{CH}_3}{\underset{\text{CH}_3}{\text{C}}}-\text{NH}_2 \cdot \text{HI}$ tert-Butylamine Hydroiodide CAS RN: 39557-45-4	$\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{NH}_2 \cdot \text{HI}$ Propylamine Hydroiodide CAS RN: 14488-45-0	
T3785 1g 5g	D5538 1g 5g	C3532 1g 5g	C3425 1g 5g	A2778 1g 5g	
$\text{CH}_3-\overset{\text{CH}_3}{\underset{\text{CH}_3}{\text{C}}}-\text{CH}_2-\overset{\text{CH}_3}{\underset{\text{CH}_3}{\text{C}}}-\text{NH}_2 \cdot \text{HI}$ tert-Octylamine Hydroiodide	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>11</sub> NH <sub>2</sub> · HI Dodecylamine Hydroiodide CAS RN: 34099-97-3	$\text{C}_6\text{H}_{11}\text{NH}_2 \cdot \text{HI}$ Cyclohexylamine Hydroiodide CAS RN: 45492-87-3	$\text{C}_6\text{H}_{11}\text{N} \cdot \text{HI}$ Cyclohexanemethylamine Hydroiodide	$\text{C}_6\text{H}_5\text{NH}_2 \cdot \text{HI}$ Aniline Hydroiodide CAS RN: 45497-73-2	
B4566 1g 5g	P2213 1g 5g	F1203 1g 5g	D4555 1g 5g	D4643 1g 5g	
$\text{C}_6\text{H}_5\text{CH}_2\text{NH}_2 \cdot \text{HI}$ Benzylamine Hydroiodide (Low water content) CAS RN: 45579-91-7	$\text{C}_6\text{H}_5\text{CH}_2\text{CH}_2\text{NH}_2 \cdot \text{HI}$ 2-Phenylethylamine Hydroiodide CAS RN: 151059-43-7	$\text{F}-\text{C}_6\text{H}_4-\text{CH}_2\text{CH}_2\text{NH}_2 \cdot \text{HI}$ 4-Fluorophenethylamine Hydroiodide CAS RN: 1413269-55-2	$\text{CH}_3-\text{N}(\text{CH}_3)_2 \cdot \text{HI}$ Dimethylamine Hydroiodide CAS RN: 51066-74-1	$\text{CH}_3-\text{CH}_2-\text{N}(\text{CH}_3)_2 \cdot \text{HI}$ Diethylamine Hydroiodide CAS RN: 19833-78-4	

<b>P2486</b> 1g 5g  Pyrrolidine Hydroiodide CAS RN: 45361-12-4	<b>E1222</b> 1g 5g  Ethylenediamine Dihydroiodide CAS RN: 5700-49-2	<b>D5091</b> 1g 5g  1,3-Diaminopropane Dihydroiodide CAS RN: 120675-53-8	<b>D5619</b> 1g 5g  3-(Dimethylamino)propylamine Dihydroiodide	<b>P2389</b> 1g  1,4-Phenylenediamine Dihydroiodide CAS RN: 116469-02-4
<b>P2492</b> 1g 5g  Piperazine Dihydroiodide CAS RN: 58464-47-4	<b>F0974</b> 1g 5g 25g  Formamidine Hydroiodide (Low water content) CAS RN: 879643-71-7	<b>A2902</b> 1g 5g  Acetamidine Hydroiodide CAS RN: 1452099-14-7	<b>G0450</b> 1g 5g  Guanidine Hydroiodide CAS RN: 19227-70-4	<b>I0970</b> 1g 5g  Imidazole Hydroiodide CAS RN: 68007-08-9
<b>A3093</b> 1g 5g  5-Azoniaspiro[4.4]nonane Iodide CAS RN: 45650-35-9	<b>A2984</b> 1g 5g  5-Aminovaleric Acid Hydroiodide (Low water content) CAS RN: 1705581-28-7	<b>A3112</b> 1g 5g  beta-Alanine Hydroiodide (Low water content) CAS RN: 2096495-59-7	<b>A3113</b> 1g 5g  GABA-HI CAS RN: 2096495-60-0	溴化盐 Bromide Salts
<b>M2589</b> 1g 5g 25g $\text{CH}_3\text{NH}_2 \cdot \text{HBr}$ Methylamine Hydrobromide CAS RN: 6876-37-5	<b>E0056</b> 25g 500g  Ethylamine Hydrobromide CAS RN: 593-55-5	<b>P2502</b> 1g 5g  Propylamine Hydrobromide CAS RN: 4905-83-3	<b>I1041</b> 1g 5g  Isopropylamine Hydrobromide CAS RN: 29552-58-7	
<b>I1007</b> 1g 5g  Isobutylamine Hydrobromide CAS RN: 74098-36-5	<b>B5187</b> 1g 5g  tert-Butylamine Hydrobromide CAS RN: 60469-70-7	<b>H1678</b> 1g 5g  Hexylamine Hydrobromide CAS RN: 7334-95-4	<b>O0442</b> 1g 5g  n-Octylamine Hydrobromide CAS RN: 14846-47-0	<b>T3783</b> 1g 5g  tert-Octylamine Hydrobromide CAS RN: 1093859-61-0
<b>D5537</b> 1g 5g $\text{CH}_3(\text{CH}_2)_{11}\text{NH}_2 \cdot \text{HBr}$ Dodecylamine Hydrobromide CAS RN: 26204-55-7	<b>A2985</b> 1g 5g  Aniline Hydrobromide CAS RN: 542-11-0	<b>B5185</b> 1g 5g  Benzylamine Hydrobromide CAS RN: 37488-40-7	<b>P2388</b> 1g 5g  2-Phenylethylamine Hydrobromide CAS RN: 53916-94-2	<b>F1229</b> 1g 5g  4-Fluorophenethylamine Hydrobromide CAS RN: 1807536-06-6
<b>P2484</b> 1g 5g  Pyrrolidine Hydrobromide CAS RN: 55810-80-5	<b>D5092</b> 1g 5g  Dimethylamine Hydrobromide CAS RN: 6912-12-5	<b>D4667</b> 1g 5g  Diethylamine Hydrobromide CAS RN: 6274-12-0	<b>E1221</b> 1g 5g  Ethylenediamine Dihydrobromide CAS RN: 624-59-9	<b>D5090</b> 1g 5g  1,3-Diaminopropane Dihydrobromide CAS RN: 18773-03-0
<b>D5618</b> 1g 5g  3-(Dimethylamino)propylamine Dihydrobromide	<b>P2490</b> 1g 5g  Piperazine Dihydrobromide CAS RN: 59813-05-7	<b>D5250</b> 1g 5g  1,4-Diazabicyclo[2.2.2]octane Dihydrobromide CAS RN: 54581-69-0	<b>F0973</b> 1g 5g 25g  Formamidine Hydrobromide CAS RN: 146958-06-7	<b>G0449</b> 1g 5g  Guanidine Hydrobromide CAS RN: 19244-98-5

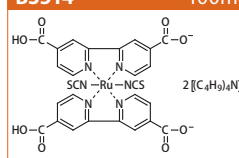
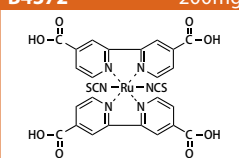
<b>I1006</b> 1g 5g  Imidazole Hydrobromide (Low water content) CAS RN: 101023-55-6	<b>A3091</b> 1g 5g  5-Azoniaspiro[4.4]nonane Bromide CAS RN: 16450-38-7	<b>A3094</b> 1g 5g  5-Aminovaleric Acid Hydrobromide (Low water content)	<b>氯化盐</b> <b>Chloride Salts</b>	<b>M0138</b> 25g 500g $\text{CH}_3\text{NH}_2 \cdot \text{HCl}$ Methylamine Hydrochloride CAS RN: 593-51-1
<b>E0205</b> 25g 500g $\text{CH}_3\text{CH}_2\text{NH}_2 \cdot \text{HCl}$ Ethylamine Hydrochloride CAS RN: 557-66-4	<b>P0522</b> 25g $\text{CH}_3\text{CH}_2\text{CH}_2\text{NH}_2 \cdot \text{HCl}$ Propylamine Hydrochloride CAS RN: 556-53-6	<b>I0166</b> 25g 100g 500g  Isopropylamine Hydrochloride CAS RN: 15572-56-2	<b>B0710</b> 25g 500g $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{NH}_2 \cdot \text{HCl}$ Butylamine Hydrochloride CAS RN: 3858-78-4	<b>I0096</b> 25g 500g  Isobutylamine Hydrochloride CAS RN: 5041-09-8
<b>I0083</b> 1g 5g  Isopentylamine Hydrochloride CAS RN: 541-23-1	<b>O0484</b> 1g 5g $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{NH}_2 \cdot \text{HCl}$ n-Octylamine Hydrochloride CAS RN: 142-95-0	<b>T3784</b> 1g 5g  tert-Octylamine Hydrochloride CAS RN: 58618-91-0	<b>B0407</b> 25g 100g 500g  Benzylamine Hydrochloride CAS RN: 3287-99-8	<b>P0086</b> 25g 100g 500g  2-Phenylethylamine Hydrochloride CAS RN: 156-28-5
<b>P2485</b> 1g 5g  Pyrrolidine Hydrochloride CAS RN: 25150-61-2	<b>D0468</b> 25g 500g $\text{CH}_3\text{CH}_2\text{N}(\text{CH}_3)\text{CH}_2\text{CH}_3 \cdot \text{HCl}$ Diethylamine Hydrochloride CAS RN: 660-68-4	<b>D5253</b> 1g 5g $\text{H}_2\text{NCH}_2\text{CH}_2\text{CH}_2\text{NH}_2 \cdot 2\text{HCl}$ 1,3-Diaminopropane Dihydrochloride (Low water content) CAS RN: 10517-44-9	<b>P2491</b> 1g 5g  Piperazine Dihydrochloride CAS RN: 142-64-3	<b>D5251</b> 1g 5g  1,4-Diazabicyclo[2.2.2]octane Dihydrochloride CAS RN: 49563-87-3
<b>F0103</b> 5g 25g $\text{H}_2\text{C}=\text{NH} \cdot \text{HCl}$ Formamidinium Hydrochloride CAS RN: 6313-33-3	<b>A0008</b> 25g 500g $\text{CH}_3\text{C}(=\text{NH})\text{NH}_2 \cdot \text{HCl}$ Acetamidinium Hydrochloride CAS RN: 124-42-5	<b>G0162</b> 25g 500g $\text{H}_2\text{N}-\text{C}(=\text{NH})-\text{NH}_2 \cdot \text{HCl}$ Guanidinium Hydrochloride CAS RN: 50-01-1	<b>A3092</b> 1g 5g  5-Azoniaspiro[4.4]nonane Chloride CAS RN: 98997-63-8	<b>A0436</b> 1g 5g $\text{H}_2\text{NCH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{COOH} \cdot \text{HCl}$ 5-Aminovaleric Acid Hydrochloride (Low water content) CAS RN: 627-95-2
<b>类卤化盐</b> <b>Pseudo Halide Salts</b>	<b>M2991</b> 1g 5g $\text{CH}_3\text{NH}_2 \cdot \text{HSCN}$ Methylamine Thiocyanate CAS RN: 61540-63-4	<b>G0230</b> 25g 500g $\text{H}_2\text{N}-\text{C}(=\text{NH})-\text{NH}_2 \cdot \text{HSCN}$ Guanidinium Thiocyanate CAS RN: 593-84-0	<b>F1152</b> 1g 5g $\text{H}_2\text{C}=\text{NH}_2^+ \cdot \text{BF}_4^-$ Formamidinium Tetrafluoroborate	<b>M2990</b> 1g 5g $\text{CH}_3\text{NH}_3^+ \cdot \text{BF}_4^-$ Methylammonium Tetrafluoroborate CAS RN: 42539-74-2
<b>M3134</b> 1g 5g $\text{CH}_3\text{NH}_2 \cdot \text{HOCN}$ Methylamine Cyanate CAS RN: 63405-91-4	<b>载流子传输材料</b> <b>Carrier Transport Materials</b>	<b>B4926</b> 200mg 1g  DMFL-NPB CAS RN: 222319-05-3	<b>D5155</b> 200mg  H101 CAS RN: 1622008-73-4	<b>V0146</b> 1g 5g  V886 CAS RN: 1801701-58-5
<b>M2088</b> 100mg  PCBM CAS RN: 160848-22-6	<b>P2682</b> 100mg  PCBM [for organic electronics] CAS RN: 160848-22-6	<b>B1641</b> 100mg 1g  C <sub>60</sub> (pure) CAS RN: 99685-96-8	<b>B1694</b> 100mg  C <sub>70</sub> CAS RN: 115383-22-7	<b>B4576</b> 50mg  Bis-PCBM (mixture of isomers) CAS RN: 1048679-01-1

<p><b>M2550</b> 50mg</p>  <p>[70]PCBM (mixture of isomers) CAS RN: 609771-63-3</p>	<p><b>P0767</b> 1g 5g 25g</p>  <p>Zinc Phthalocyanine CAS RN: 14320-04-8</p>	<p><b>Z0037</b> 500mg</p>  <p>ZnPc (purified by sublimation) CAS RN: 14320-04-8</p>	<p><b>P1628</b> 1g</p>  <p>CuPc (purified by sublimation) CAS RN: 147-14-8</p>	<p><b>P2119</b> 200mg</p>  <p>PTCBI (<i>cis</i>- and <i>trans</i>-mixture) CAS RN: 79534-91-1</p>	
<p><b>D0905</b> 1g 5g</p>  <p>Bathophenanthroline CAS RN: 1662-01-7</p>	<p><b>B2695</b> 1g</p>  <p>Bphen (purified by sublimation) CAS RN: 1662-01-7</p>	<p><b>B2694</b> 1g 5g</p>  <p>Bathocuproine (purified by sublimation) CAS RN: 4733-39-5</p>	<p><b>D0711</b> 1g 5g</p>  <p>Bathocuproine CAS RN: 4733-39-5</p>	<p><b>B3562</b> 100mg</p>  <p>TIPS Pentacene (This product is unavailable in the U.S.) CAS RN: 373596-08-8</p>	
<p><b>T1812</b> 5g 25g</p>  <p>TPB CAS RN: 15546-43-7</p>	<p><b>T3266</b> 1g 5g</p>  <p>TPB (purified by sublimation) CAS RN: 15546-43-7</p>	<p><b>D2448</b> 1g 5g</p>  <p>TPD CAS RN: 65181-78-4</p>	<p><b>D3236</b> 1g 5g</p>  <p>TPD (purified by sublimation) CAS RN: 65181-78-4</p>	<p><b>D5126</b> 1g 5g</p>  <p><math>\alpha</math>-NPB CAS RN: 123847-85-8</p>	
<p><b>D3970</b> 1g 5g</p>  <p><math>\alpha</math>-NPB (purified by sublimation) CAS RN: 123847-85-8</p>	<p><b>P2513</b> 100mg 500mg</p>  <p>P3HT (regioregular) CAS RN: 125321-66-6</p>	<p><b>T0561</b> 100mg 1g</p>  <p>Rubrene CAS RN: 517-51-1</p>	<p><b>T2233</b> 250mg 1g</p>  <p>Rubrene (purified by sublimation) CAS RN: 517-51-1</p>		
<p><b>有机太阳能电池材料</b> <b>Organic Solar Cell (OPV) Materials</b></p>		<p><b>受体材料</b> <b>Acceptor Materials</b></p>		<p><b>B1641</b> 100mg 1g</p>  <p>C<sub>60</sub> (pure) CAS RN: 99685-96-8</p>	<p><b>M2088</b> 100mg</p>  <p>PCBM CAS RN: 160848-22-6</p>
<p><b>P2682</b> 100mg</p>  <p>PCBM [for organic electronics] CAS RN: 160848-22-6</p>	<p><b>P2013</b> 100mg</p>  <p>PCBB CAS RN: 571177-66-7</p>	<p><b>P2014</b> 100mg</p>  <p>PCBO CAS RN: 571177-68-9</p>	<p><b>P2015</b> 100mg</p>  <p>[60]PCB-C<sub>12</sub> CAS RN: 571177-69-0</p>	<p><b>I0900</b> 50mg</p>  <p>ICBA CAS RN: 1207461-57-1</p>	
<p><b>B4576</b> 50mg</p>  <p>Bis-PCBM (mixture of isomers) CAS RN: 1048679-01-1</p>	<p><b>C2415</b> 100mg</p>  <p>C<sub>60</sub>MC<sub>12</sub> CAS RN: 403483-19-2</p>	<p><b>B1694</b> 100mg</p>  <p>C<sub>70</sub> CAS RN: 115383-22-7</p>	<p><b>M2550</b> 50mg</p>  <p>[70]PCBM (mixture of isomers) CAS RN: 609771-63-3</p>	<p><b>P0972</b> 25g 100g 500g</p>  <p>Pigment Red 224 CAS RN: 128-69-8</p>	
<p><b>P2102</b> 1g</p>  <p>Pigment Red 224 (purified by sublimation) CAS RN: 128-69-8</p>	<p><b>P0984</b> 25g</p>  <p>3,4,9,10-Perylene-tetracarboxylic Diimide CAS RN: 81-33-4</p>	<p><b>D4429</b> 1g 5g</p>  <p>Pigment Red 179 CAS RN: 5521-31-3</p>	<p><b>D4175</b> 1g</p>  <p>PTCDI-C<sub>8</sub> CAS RN: 78151-58-3</p>	<p><b>B2892</b> 1g 5g</p>  <p>Pigment Red 190 CAS RN: 6424-77-7</p>	

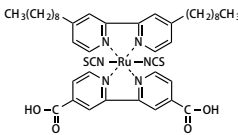
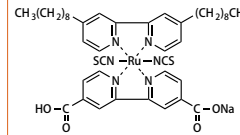
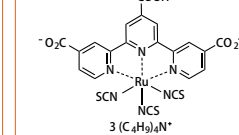
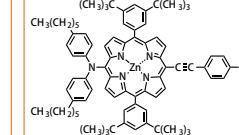
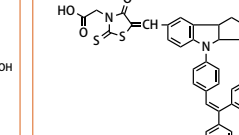
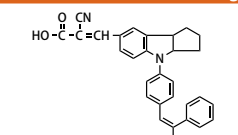
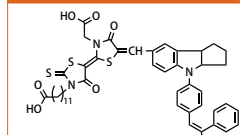
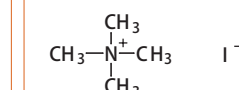
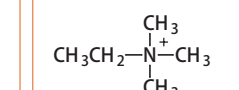
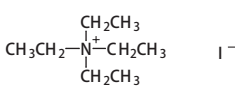
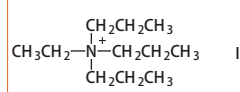
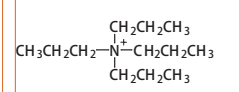
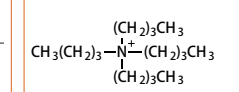
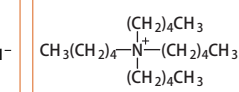
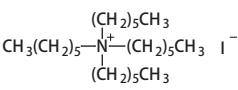
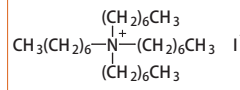
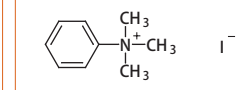
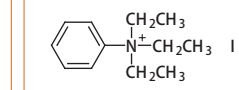
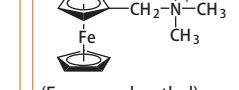
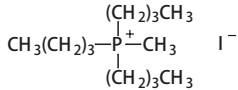
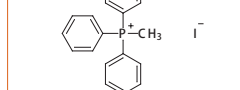
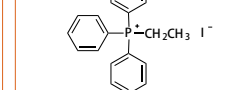
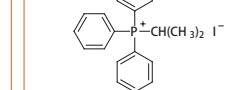
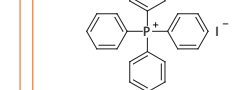
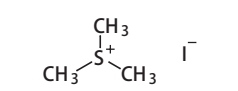
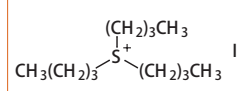
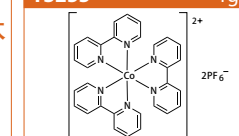
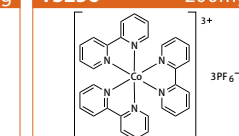
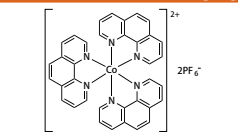
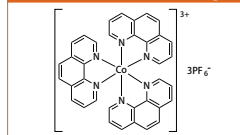
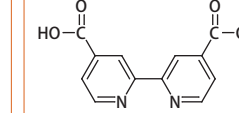
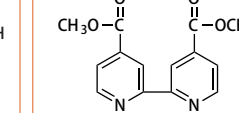
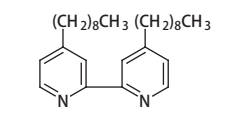
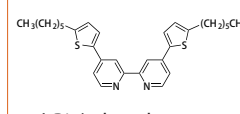
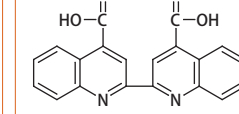
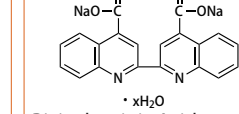
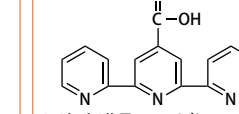
<p><b>B4231</b> 1g 5g</p>  <p>Pigment Red 149 CAS RN: 4948-15-6</p>	<p><b>B4268</b> 1g 5g</p>  <p>Perylene Orange CAS RN: 82953-57-9</p>	<p><b>T3061</b> 200mg</p>  <p>1,6,7,12-Tetrakis(4-<i>tert</i>-butylphenoxy)-<i>N,N'</i>-bis(2,6-diisopropylphenyl)-3,4,9,10-perylenetetracarboxylic Diimide CAS RN: 112078-08-7</p>	<p><b>P2119</b> 200mg</p>  <p>PTCBI (<i>cis</i>- and <i>trans</i>- mixture) CAS RN: 79534-91-1</p>	
<p><b>H1194</b> 100mg 1g</p>  <p>F<sub>16</sub>CuPC (purified by sublimation) CAS RN: 14916-87-1</p>	<p><b>供体材料</b> <b>Donor</b> <b>Materials</b></p>	<p><b>N0001</b> 100mg 1g 5g</p>  <p>Naphthacene CAS RN: 92-24-0</p>	<p><b>N0951</b> 200mg 1g</p>  <p>Naphthacene (purified by sublimation) CAS RN: 92-24-0</p>	<p><b>P0030</b> 100mg 1g</p>  <p>Pentacene (purified by sublimation) CAS RN: 135-48-8</p>
<p><b>Q0078</b> 100mg</p>  <p><math>\alpha</math>-Quaterthiophene CAS RN: 5632-29-1</p>	<p><b>Q0079</b> 100mg 500mg</p>  <p><math>\alpha</math>-Quinquethiophene CAS RN: 5660-45-7</p>	<p><b>S0504</b> 100mg 1g</p>  <p>6T (purified by sublimation) CAS RN: 88493-55-4</p>	<p><b>S0505</b> 100mg</p>  <p><math>\alpha</math>-Septithiophene CAS RN: 86100-63-2</p>	<p><b>O0313</b> 100mg</p>  <p><math>\alpha</math>-Octithiophene CAS RN: 113728-71-5</p>
<p><b>T3050</b> 1g 5g</p>  <p>Tris[4-(2-thienyl)phenyl]amine CAS RN: 142807-63-4</p>	<p><b>T3328</b> 200mg</p>  <p>Tris[4-(5-phenylthiophen-2-yl)phenyl]amine CAS RN: 803727-09-5</p>	<p><b>T3337</b> 200mg</p>  <p>Tris[4'-(2-thienyl)-4-biphenyl]amine CAS RN: 1092356-36-9</p>	<p><b>B4342</b> 1g 5g</p>  <p>2,4-Bis[4-(diethylamino)-2-hydroxyphenyl]squaraine CAS RN: 68842-66-0</p>	<p><b>B4649</b> 1g 5g</p>  <p>2,4-Bis[8-hydroxy-1,1,7,7-tetramethyljulolidin-9-yl]-squaraine CAS RN: 358727-55-6</p>
<p><b>P1005</b> 25g 250g</p>  <p>Copper(II) Phthalocyanine (<math>\alpha</math>-form) CAS RN: 147-14-8</p>	<p><b>P1006</b> 25g 100g 500g</p>  <p>Copper(II) Phthalocyanine (<math>\beta</math>-form) CAS RN: 147-14-8</p>	<p><b>P1628</b> 1g</p>  <p>CuPC (purified by sublimation) CAS RN: 147-14-8</p>	<p><b>C1167</b> 1g 5g</p>  <p>Phthalocyanine Chloroaluminum CAS RN: 14154-42-8</p>	<p><b>P0767</b> 1g 5g 25g</p>  <p>Zinc Phthalocyanine CAS RN: 14320-04-8</p>
<p><b>Z0037</b> 500mg</p>  <p>ZnPC (purified by sublimation) CAS RN: 14320-04-8</p>	<p><b>P0766</b> 1g 25g</p>  <p>Lead(II) Phthalocyanine CAS RN: 15187-16-3</p>	<p><b>T2272</b> 200mg 1g</p>  <p>TiOPc (purified by sublimation) CAS RN: 26201-32-1</p>	<p><b>B4314</b> 50mg</p>  <p>[5,15-Bis(phenylethynyl)-10,20-bis[(triisopropylsilyl)ethynyl]-porphyrinato]magnesium(II) CAS RN: 1397288-30-0</p>	
<p><b>P2513</b> 100mg 500mg</p>  <p>P3HT (regioregular) CAS RN: 125321-66-6</p>				

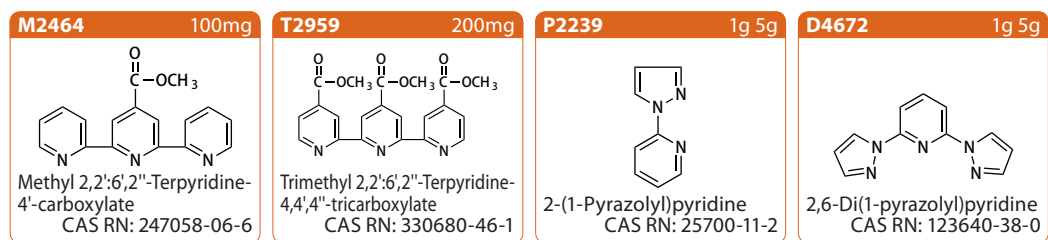
染料敏化太阳能电池材料  
Dye-Sensitized Solar Cell (DSSC) Materials

光敏染料  
Sensitizing Dyes

<p><b>B3514</b> 100mg</p>  <p>N719 Dye CAS RN: 207347-46-4</p>	<p><b>B4372</b> 200mg</p>  <p>N3 Dye CAS RN: 141460-19-7</p>
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<p><b>B4373</b> 200mg</p>  <p>Z907 Dye CAS RN: 502693-09-6</p>	<p><b>B4432</b> 200mg</p>  <p>Z907 Dye Sodium Salt CAS RN: 871466-65-8</p>	<p><b>N1104</b> 100mg</p>  <p>N749 Black Dye CAS RN: 359415-47-7</p>	<p><b>Y0011</b> 50mg</p>  <p>YD2 CAS RN: 1201915-91-4</p>	<p><b>D4430</b> 50mg</p>  <p>D 102 CAS RN: 652145-28-3</p>	
<p><b>D4431</b> 50mg</p>  <p>D 131 CAS RN: 652145-29-4</p>	<p><b>D4432</b> 50mg</p>  <p>D 358 CAS RN: 1207638-53-6</p>	<p><b>电解质</b> <b>Electrolytes</b></p>		<p><b>T0139</b> 25g 100g 500g</p>  <p>Tetramethylammonium iodide CAS RN: 75-58-1</p>	<p><b>E0190</b> 25g</p>  <p>Ethyltrimethylammonium iodide CAS RN: 51-93-4</p>
<p><b>T0097</b> 25g 100g 500g</p>  <p>Tetraethylammonium iodide CAS RN: 68-05-3</p>	<p><b>E0191</b> 25g</p>  <p>Ethyltripropylammonium iodide CAS RN: 15066-80-5</p>	<p><b>T0172</b> 25g 500g</p>  <p>Tetrapropylammonium iodide CAS RN: 631-40-3</p>	<p><b>T0057</b> 25g 100g 500g</p>  <p>Tetrabutylammonium iodide CAS RN: 311-28-4</p>	<p><b>T1011</b> 5g 25g</p>  <p>Tetraamylammonium iodide CAS RN: 2498-20-6</p>	
<p><b>T1010</b> 5g 25g</p>  <p>Tetrahexylammonium iodide CAS RN: 2138-24-1</p>	<p><b>T1396</b> 25g</p>  <p>Tetraheptylammonium iodide CAS RN: 3535-83-9</p>	<p><b>P0246</b> 25g</p>  <p>Trimethylphenylammonium iodide CAS RN: 98-04-4</p>	<p><b>P0242</b> 25g</p>  <p>Triethylphenylammonium iodide CAS RN: 1010-19-1</p>	<p><b>F0167</b> 5g</p>  <p>(Ferrocenylmethyl)- trimethylammonium iodide CAS RN: 12086-40-7</p>	
<p><b>M1455</b> 5g 25g</p>  <p>Tributylmethylphosphonium iodide CAS RN: 1702-42-7</p>	<p><b>M0253</b> 25g 100g 500g</p>  <p>Methyltriphenylphosphonium iodide CAS RN: 2065-66-9</p>	<p><b>E0549</b> 25g 250g</p>  <p>Ethyltriphenylphosphonium iodide CAS RN: 4736-60-1</p>	<p><b>I0552</b> 5g 25g</p>  <p>Isopropyltriphenylphosphonium iodide CAS RN: 24470-78-8</p>	<p><b>T1450</b> 10g</p>  <p>Tetraphenylphosphonium iodide CAS RN: 2065-67-0</p>	
<p><b>T1056</b> 25g 500g</p>  <p>Trimethylsulfonium iodide CAS RN: 2181-42-2</p>	<p><b>T1564</b> 1g</p>  <p>Tributylsulfonium iodide CAS RN: 18146-62-8</p>	<p><b>钴掺杂空穴导体</b> <b>Hole</b> <b>Conductor</b> <b>Cobalt</b> <b>Dopants</b></p>		<p><b>T3255</b> 1g 5g</p>  <p>Tris(2,2'-bipyridine)cobalt(II) Bis(hexafluorophosphate) CAS RN: 79151-78-3</p>	<p><b>T3256</b> 200mg 1g</p>  <p>Tris(2,2'-bipyridine)cobalt(III) Tris(hexafluorophosphate) CAS RN: 28277-53-4</p>
<p><b>T3553</b> 1g 5g</p>  <p>Tris(1,10-phenanthroline)cobalt(II) Bis(hexafluorophosphate) CAS RN: 31876-74-1</p>	<p><b>T3554</b> 1g 5g</p>  <p>Tris(1,10-phenanthroline)cobalt(III) Tris(hexafluorophosphate) CAS RN: 28277-59-0</p>	<p><b>配体</b> <b>Ligands</b></p>		<p><b>B1876</b> 100mg 1g</p>  <p>2,2'-Biisonicotinic Acid CAS RN: 6813-38-3</p>	<p><b>D4635</b> 1g 5g</p>  <p>Dimethyl 2,2'-Bipyridine- 4,4'-dicarboxylate CAS RN: 71071-46-0</p>
<p><b>D3917</b> 1g 5g</p>  <p>4,4'-Dinonyl-2,2'-bipyridyl CAS RN: 142646-58-0</p>	<p><b>B4420</b> 200mg</p>  <p>4,4'-Bis(5-hexyl- 2-thienyl)-2,2'-bipyridyl CAS RN: 1047684-56-9</p>	<p><b>B3509</b> 1g 5g</p>  <p>2,2'-Bicinchoninic Acid CAS RN: 1245-13-2</p>	<p><b>B4509</b> 1g 5g</p>  <p>Bicinchoninic Acid Disodium Salt Hydrate CAS RN: 979-88-4</p>	<p><b>T3245</b> 200mg 1g</p>  <p>2,2':6',2''-Terpyridine- 4'-carboxylic Acid CAS RN: 148332-36-9</p>	





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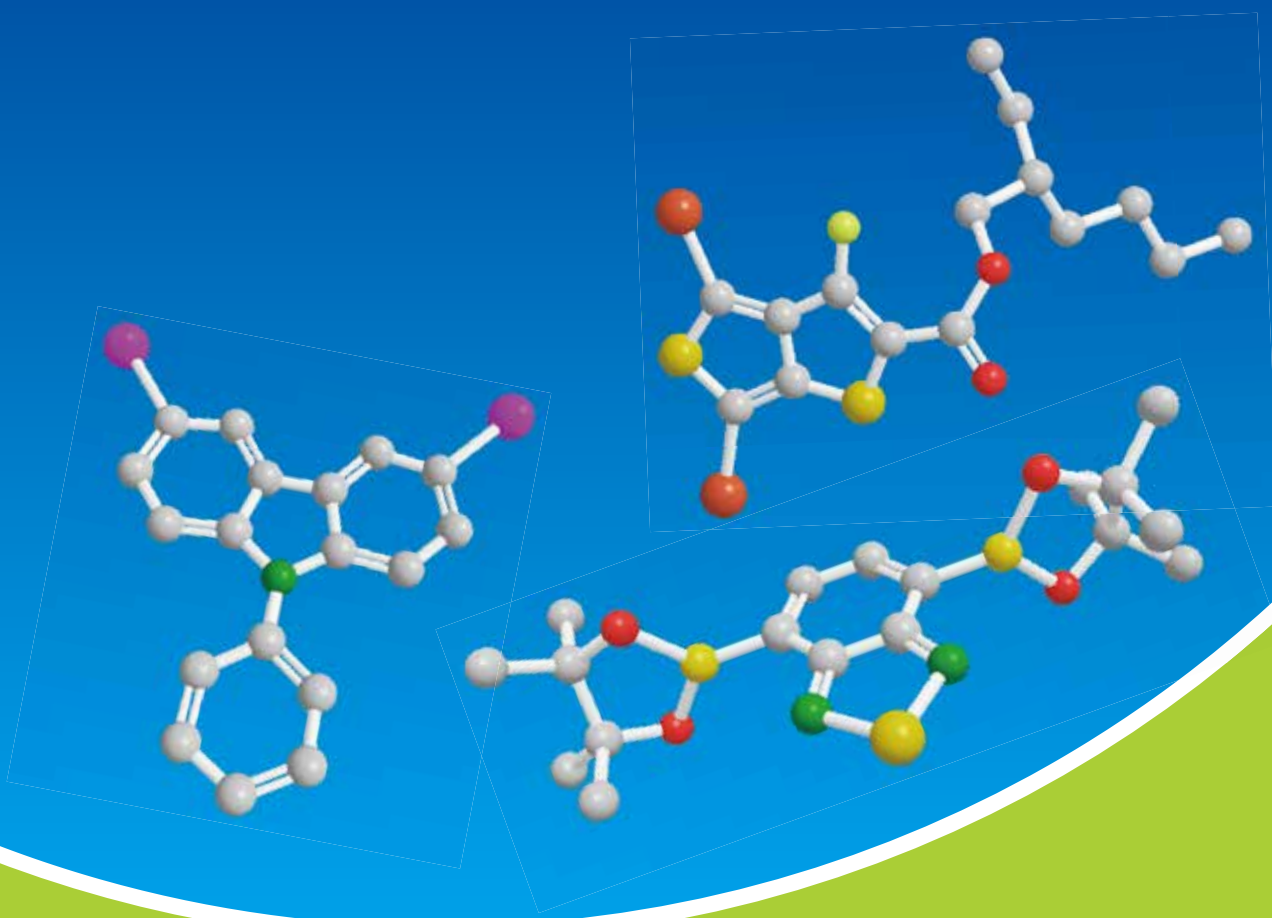
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# 有机半导体合成砌块

Building Blocks for Organic Semiconductor



小分子半导体合成砌块

半导体聚合物合成砌块

改善溶解度的衍生试剂

# 有机半导体合成砌块

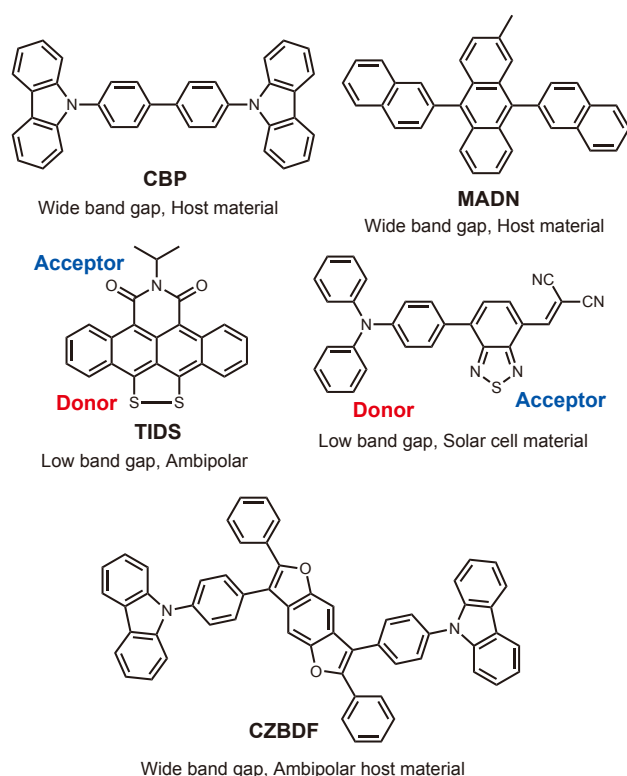
轻便灵活的有机半导体材料有望用于制造可折叠电子电路<sup>1)</sup>和植入式生物传感器<sup>2)</sup>，而硅基半导体则几乎不可能用于这些电子器件。我们开发出一种印刷电子系统，借助有机材料的溶解性，可以将大型的高精度器件印刷在柔性基板上（比如纸张和薄膜）。这种印刷方法为半导体器件的大规模和低成本生产提供了一种有效技术<sup>3)</sup>。有机光伏(OPV)是一种利用有机半导体的光电转换器件。有机发光二极管(OLED)也得到了很多关注，轻便灵活的有机半导体材料使其有望成为下一代显示器和光源。有机半导体材料主要分为小分子型和聚合物型，低聚物则介于两者之间。

## 1. 小分子半导体合成砌块

小分子有机半导体有如下几个特性：可以分离出化学纯化合物，利用单晶结构分析可以测定其结构，可以通过真空沉积制备薄膜并纯化。与无机材料相比，有机材料具有基于碳中心的结构多样性。因此，我们可以应用有机合成对各种物理性质如光吸收、光发射、能级和溶解度等进行精确控制。几种传统的偶联反应可以实现 $\pi$ -共轭结构的扩展，并制备出低聚物半导体。噻吩衍生物呈现出极佳的光吸收性和载流子迁移率，因此可用于OPV器件中的p-型半导体（光吸收体）<sup>4)</sup>。宽带隙的咪唑衍生物（如CBP）和蒽衍生物（如MADN）可以用作OLED器件的主体材料<sup>5)</sup>。一些芳胺衍生物则适合作为OLEDs的空穴传输层，因为这种材料可以通过真空沉积制备非晶层，并呈现出高空穴迁移率<sup>6)</sup>。n-型半导体（电子传输材料）是由缺电子杂环化合物构成，如噻啉、三嗪，以及苯并咪唑等。

另一方面，将供体和受体同时引入一个分子中可以制备窄带隙的小分子半导体。这些半导体材料可以吸收低能区光，因此可用于有机太阳能电池<sup>7)</sup>。这种供体-受体共存的材料，被称为TIDS，其同时拥有空穴载体和电子载体，具有双极性<sup>8)</sup>。OLED需要用到有均衡的高空穴和电子迁移率的新型双极性有机半导体<sup>9,10)</sup>。Nakamura和Tsuji等对这种双极性有机半导体进行了报道，即CZBDF。该材料具有宽带隙，以及均衡

的高空穴和电子迁移率，是一种理想的OLED主体材料<sup>11)</sup>。



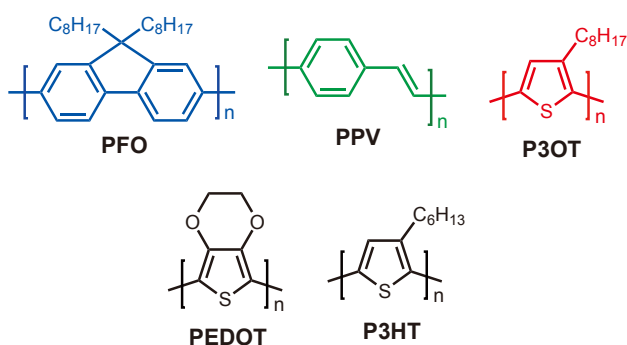
钯-和铜-催化的交叉偶联反应可以系统并快速地制备出各种各样的有机化合物用于新型材料的制备。本册的产品列表展示了大量的“小分子半导体的合成砌块”，这些化合物含有卤素、硼酸（酯）、甲锡烷基、氨基或甲酰基等官能团。

## 2. 半导体聚合物合成砌块

在OLED、OPV和有机场效应晶体管(OFET)领域，关于半导体聚合物的研究得到了广泛的关注。OLEDs发光层可能会用到半导体聚合物，如聚对苯撑乙烯(PPV)。小分子OLED器件一般通过气相沉积法制备，然而聚合物材料可以通过溶液法制备薄膜和耐热

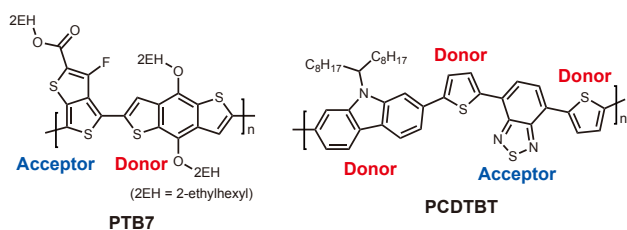
器件，从而降低了生产成本。另外，对n-共轭聚合物进行化学修饰，还可以发出各种颜色的光。如，聚芴(PFO)<sup>12</sup>、PPVs<sup>13</sup>和结构随机的聚(3-辛基噻吩)(P3OT)<sup>14</sup>分别呈现蓝、绿和红光发射。

最近在有机电子研究方面，诸如聚噻吩之类的含硫聚合物被开发出来。聚(3,4-乙炔二氧噻吩)(PEDOT)可用于电容器、有机晶体管、OLED的空穴传输材料、蓄电池，以及制动器、传感器和热电转换元件等<sup>15,16</sup>。PEDOT/PSS是一种PEDOT和聚磺苯乙烯(PSS)的混合物，广泛用于OPV的空穴传输材料<sup>17</sup>。聚(3-己基)噻吩(P3HT)与富勒烯衍生物(如PCBM)混合后可以形成一种高效的本体异质结。这种聚合物可用作OPV器件的光吸收p-型半导体<sup>18</sup>。



尽管P3HT和PFO是由一种单体聚合而成，两种不同的单体共聚也可以精确控制半导体聚合物的电子结构。而且，这种不同分子间的聚合将富电子单体(供体)和缺电子单体(受体)结合起来，从而制备出一种稳定的低HOMO能级的供体-受体(DA型)聚合物<sup>19-21</sup>。另外，DA聚合物是窄带隙，可以进行低能区的光吸收，也可以通过p-或n-掺杂成为双极性半导体<sup>22,23</sup>。

#### Low band gap polymers



卤化单体和硼酸(酯)单体在金属催化作用下可以通过交叉偶联反应进行共聚。选择不同的单体可以制备出不同的半导体聚合物。一种含有三甲基锡烷基(SnMe<sub>3</sub>)的单体和一种卤化单体间也可以进行类似的交叉偶联反应。反应结束后，有副产物三甲基卤化锡

生成，不过在真空条件下很容易去除。本册的产品列表展示了大量的“半导体聚合物的合成砌块”，这些化合物含有卤素、硼酸(酯)、甲锡烷基等官能团。

### 3. 改善溶解度的衍生试剂

烷基官能团与n-共轭体系不发生相互作用，因此不会影响分子的电子特性。但在分子组装的固体状态，烷基的作用是很大的，通过引入烷基，可以改变其溶解度和熔点。由于大规模的溶液加工和印刷技术需要使用可溶性材料，因此有机器件尤其需要进行烷基衍生化以提高溶解度。另外，吸电子的氟烷基官能团有助于形成n-型有机半导体<sup>24,25</sup>。一些OPV和OFET材料都包含双烷基噻咯<sup>26</sup>。本册的产品列表展示了用于引入烷基和双烷基噻咯的化学试剂。

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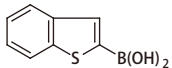
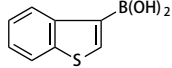
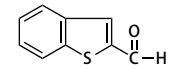
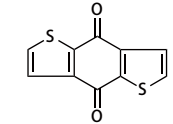
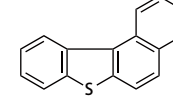
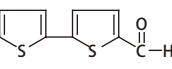
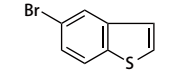
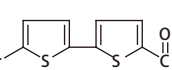
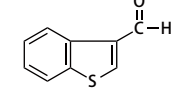
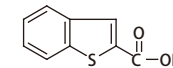
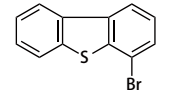
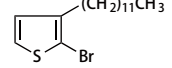
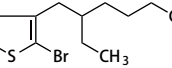
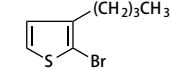
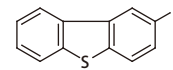
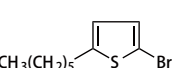
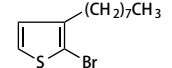
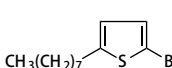
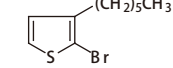
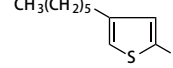
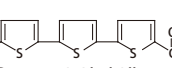
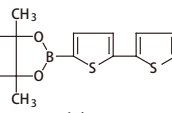
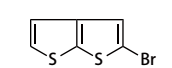
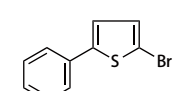
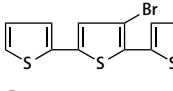
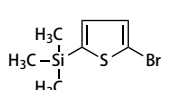
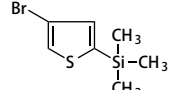
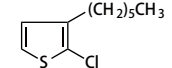
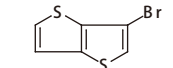
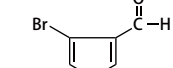
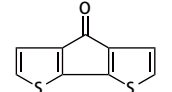
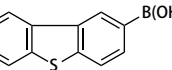
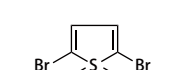
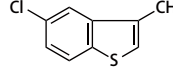
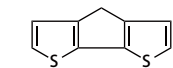
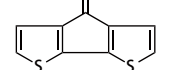
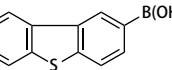


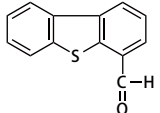
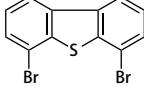
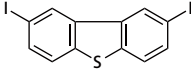
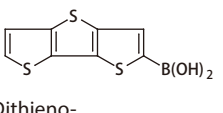
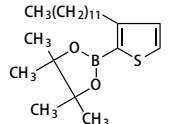
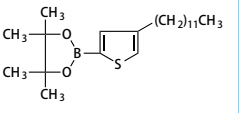
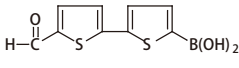
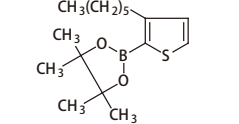
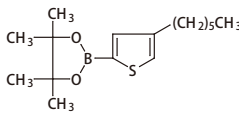
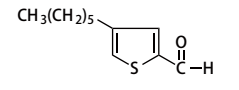
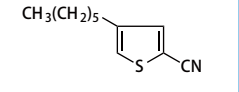
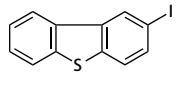
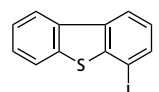
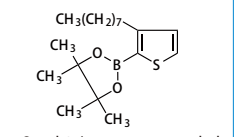
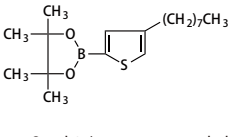
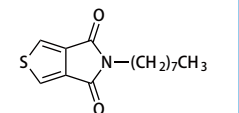
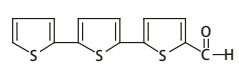
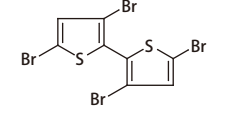
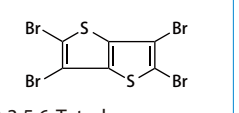
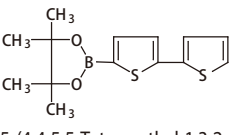
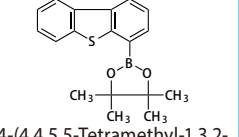
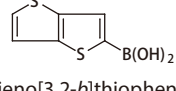
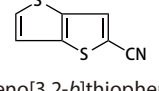
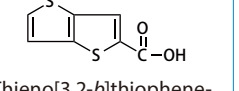
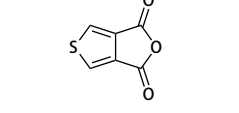
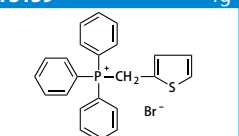
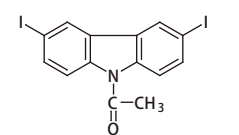
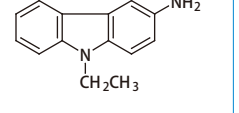
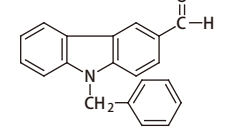
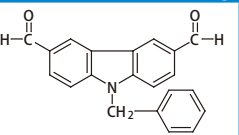
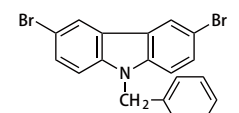
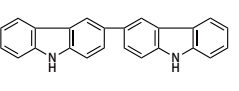
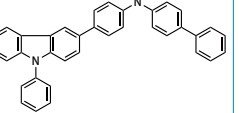
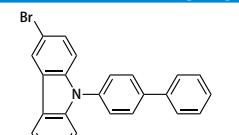
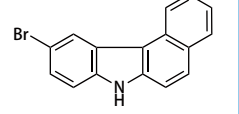
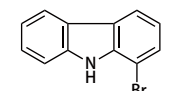
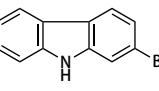
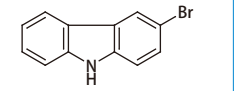
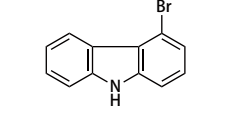
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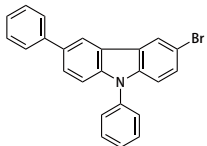
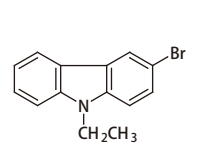
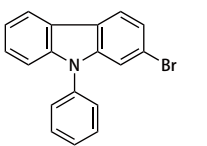
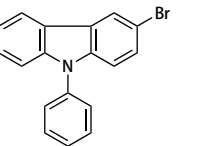
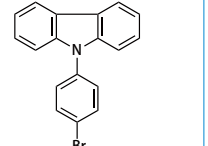
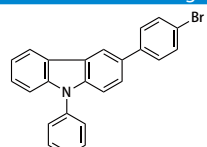
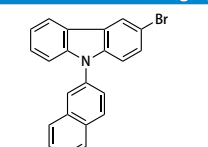
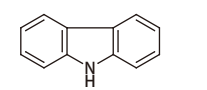
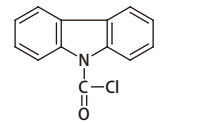
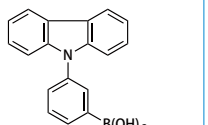
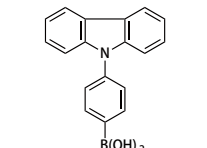
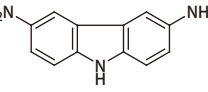
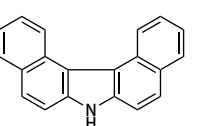
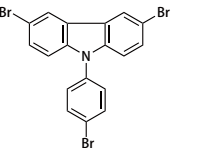
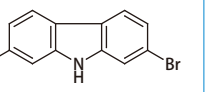
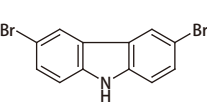
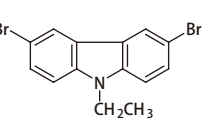
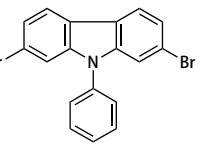
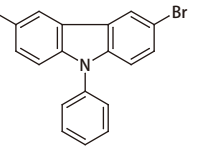
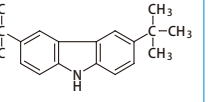
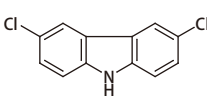
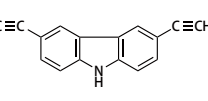
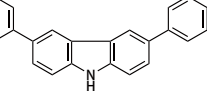
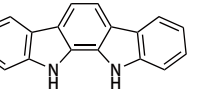
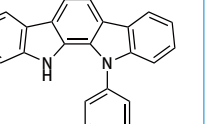
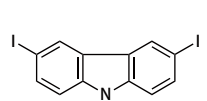
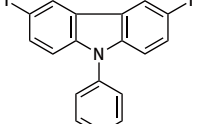
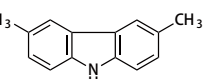
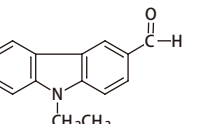
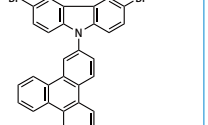
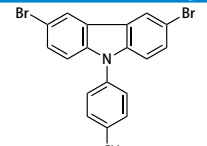
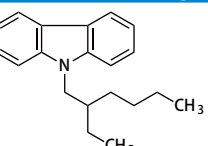
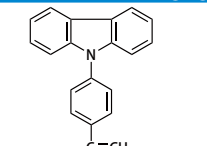
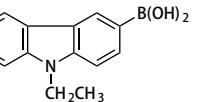
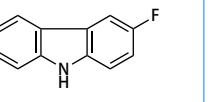
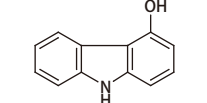
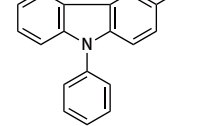
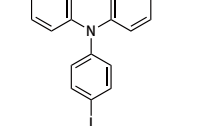
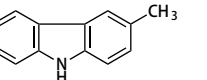
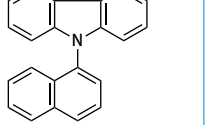
## Building Blocks for Small Molecule Semiconductor

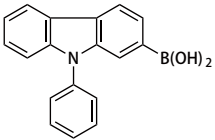
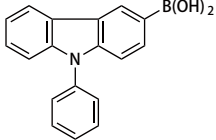
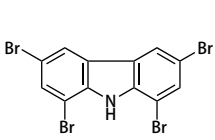
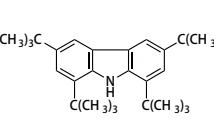
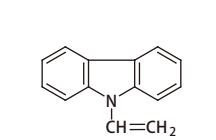
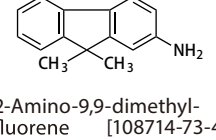
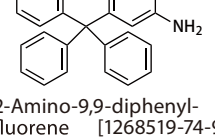
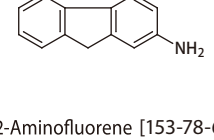
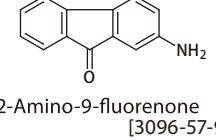
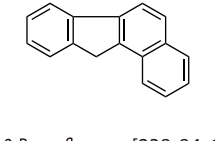
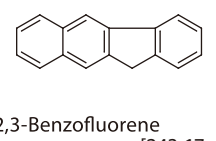
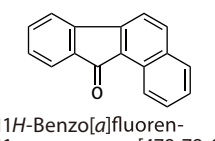
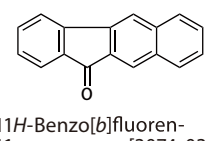
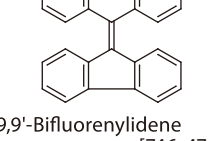
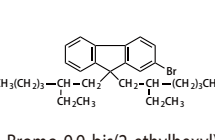
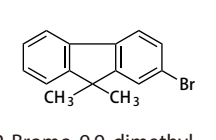
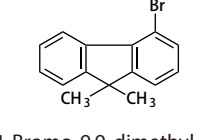
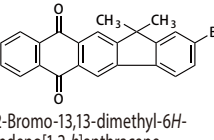
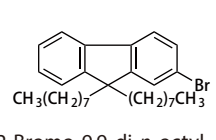
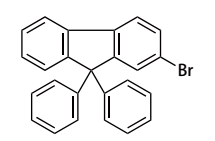
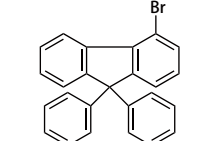
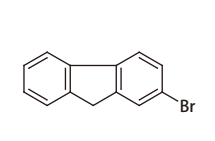
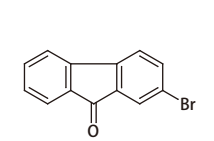
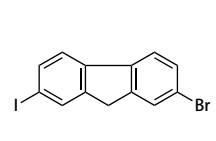
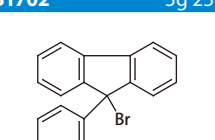

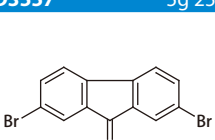
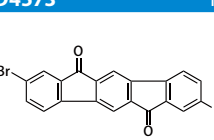
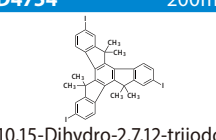

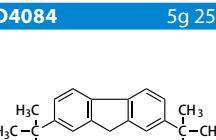
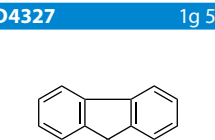
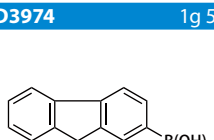
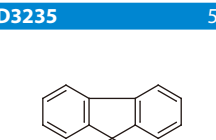
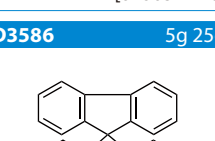
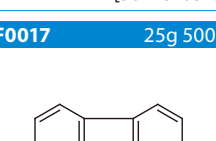
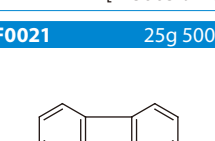
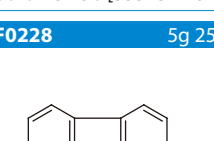
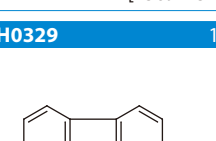
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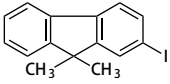
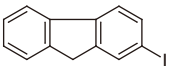
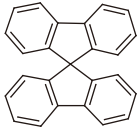
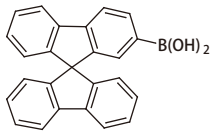
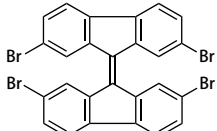
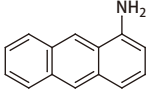
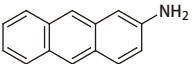
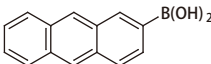
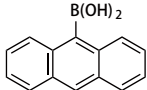
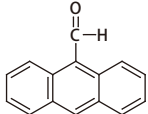
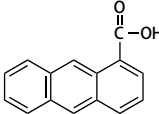
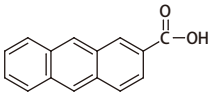
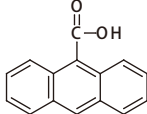
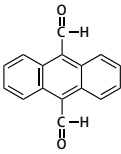
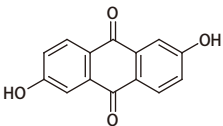
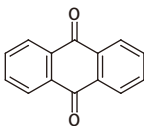
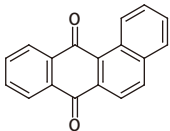
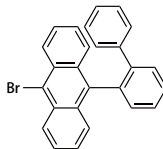
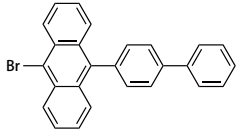
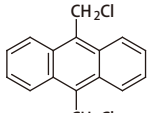
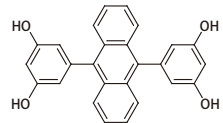
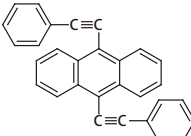
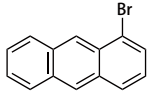
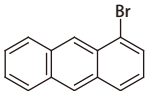
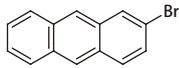
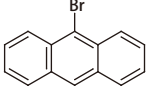
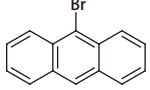
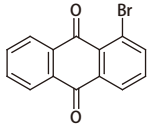
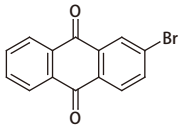
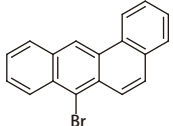
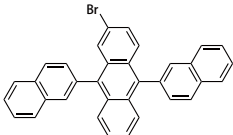
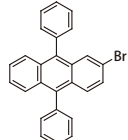
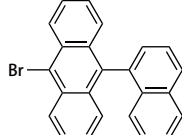
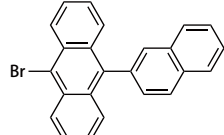
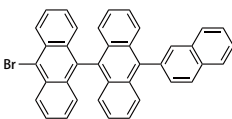
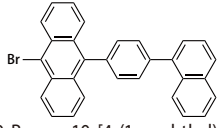
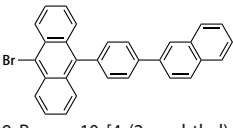
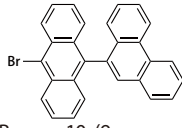
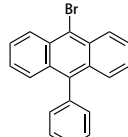
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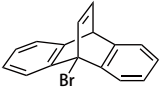
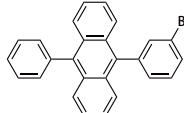
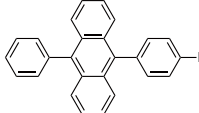
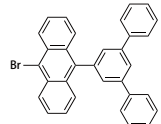
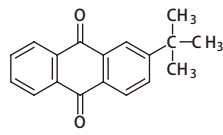
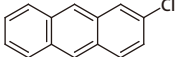
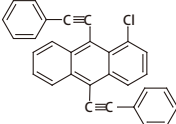
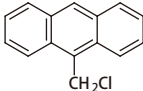
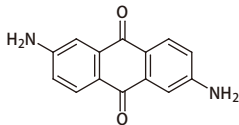
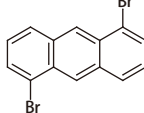
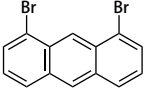
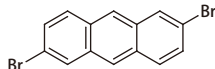
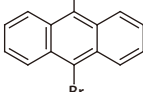
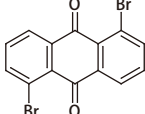
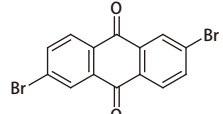
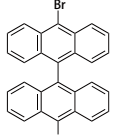
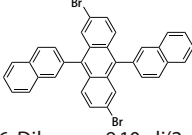
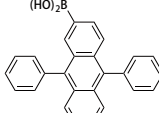
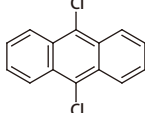
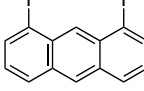
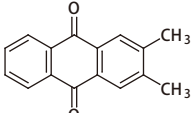
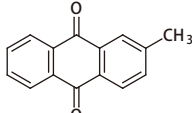
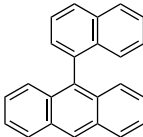
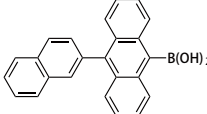
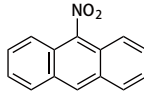
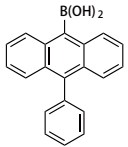
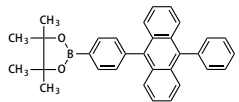
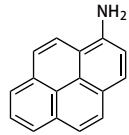
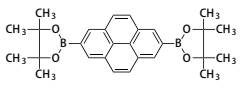
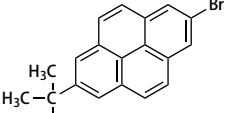
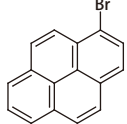
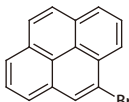
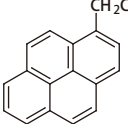
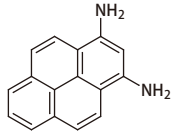
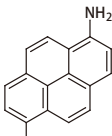
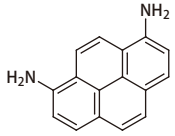
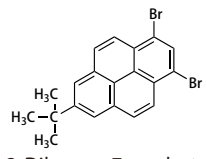
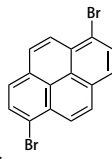
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<p><b>B1838</b> 1g 5g 25g</p>  <p>2,2'-Bithiophene-5-carboxaldehyde [3779-27-9]</p>	<p><b>B3762</b> 1g 5g</p>  <p>5-Bromobenzo[<i>b</i>]thiophene [4923-87-9]</p>	<p><b>B1874</b> 1g 5g</p>  <p>5-Bromo-2,2'-bithiophene-5'-carboxaldehyde [110046-60-1]</p>	<p><b>B4086</b> 1g 5g</p>  <p>Benzo[<i>b</i>]thiophene-3-carboxaldehyde [5381-20-4]</p>	<p><b>B2033</b> 1g</p>  <p>Benzo[<i>b</i>]thiophene-2-carboxylic Acid [6314-28-9]</p>
<p><b>B4449</b> 1g 5g</p>  <p>4-Bromodibenzothiophene [97511-05-2]</p>	<p><b>B3691</b> 5g</p>  <p>2-Bromo-3-dodecylthiophene [139100-06-4]</p>	<p><b>B4783</b> 1g 5g</p>  <p>2-Bromo-3-(2-ethylhexyl)thiophene [303734-52-3]</p>	<p><b>B4511</b> 5g 25g</p>  <p>2-Bromo-3-butylthiophene [145543-82-4]</p>	<p><b>B3525</b> 5g 25g</p>  <p>2-Bromodibenzothiophene [22439-61-8]</p>
<p><b>B3812</b> 5g</p>  <p>2-Bromo-5-hexylthiophene [211737-28-9]</p>	<p><b>B3733</b> 5g</p>  <p>2-Bromo-3-<i>n</i>-octylthiophene [145543-83-5]</p>	<p><b>B3738</b> 5g 25g</p>  <p>2-Bromo-5-<i>n</i>-octylthiophene [172514-63-5]</p>	<p><b>B3507</b> 5g 25g</p>  <p>2-Bromo-3-hexylthiophene [69249-61-2]</p>	<p><b>B3985</b> 1g</p>  <p>2-Bromo-4-hexylthiophene [210705-84-3]</p>
<p><b>B2058</b> 100mg 1g 5g</p>  <p>5''-Bromo-2,2':5',2''-terthiophene-5-carboxaldehyde [161726-69-8]</p>	<p><b>B3200</b> 1g</p>  <p>5-Bromo-5'-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-2,2'-bithiophene [578715-23-8]</p>	<p><b>B3692</b> 1g</p>  <p>2-Bromothieno[2,3-<i>b</i>]thiophene [25121-81-7]</p>	<p><b>B3663</b> 1g 5g</p>  <p>2-Bromo-5-phenylthiophene [29488-24-2]</p>	<p><b>B4050</b> 1g 5g</p>  <p>3'-Bromo-2,2':5',2''-terthiophene [105125-00-6]</p>
<p><b>B4855</b> 1g 5g</p>  <p>2-Bromo-5-(trimethylsilyl)thiophene [18246-28-1]</p>	<p><b>B4856</b> 200mg 1g</p>  <p>4-Bromo-2-(trimethylsilyl)thiophene [77998-61-9]</p>	<p><b>C2613</b> 5g</p>  <p>2-Chloro-3-hexylthiophene [817181-75-2]</p>	<p><b>B3226</b> 200mg 1g</p>  <p>3-Bromothieno[3,2-<i>b</i>]thiophene [25121-83-9]</p>	<p><b>B4126</b> 200mg 1g</p>  <p>4-Bromothiophene-3-carboxaldehyde [18791-78-1]</p>
<p><b>C2715</b> 200mg</p>  <p>4<i>H</i>-Cyclopenta[1,2-<i>b</i>:5,4-<i>b'</i>]dithiophene-4-one [25796-77-4]</p>	<p><b>D4373</b> 1g 5g</p>  <p>Dibenzothiophene-2-boronic Acid [668983-97-9]</p>	<p><b>D4376</b> 1g</p>  <p>2,5-Dibromothiophene 1,1-Dioxide [89088-95-9]</p>	<p><b>C2457</b> 5g 25g</p>  <p>5-Chloro-3-methylbenzo[<i>b</i>]thiophene [19404-18-3]</p>	<p><b>C3021</b> 200mg 1g</p>  <p>4<i>H</i>-Cyclopenta[2,1-<i>b</i>:3,4-<i>b'</i>]dithiophene [389-58-2]</p>
<p><b>D4057</b> 1g 5g</p>  <p>Dibenzothiophene-4-boronic Acid [108847-20-7]</p>	<p><b>D4777</b> 1g 5g</p>  <p>Dibenzothiophene-2-carboxaldehyde [22099-23-6]</p>			

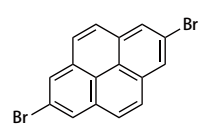
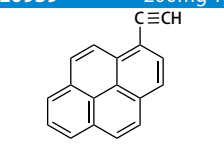
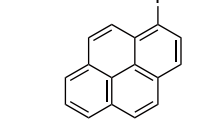
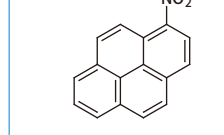
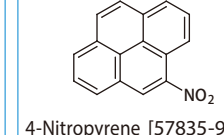
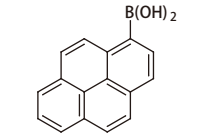
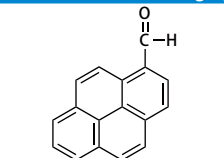
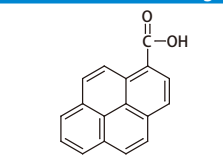
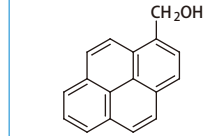
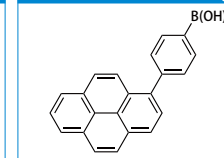
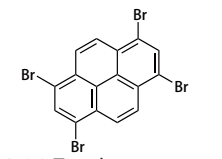
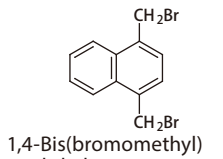
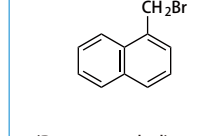
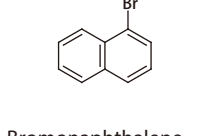
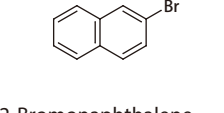
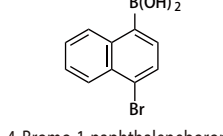
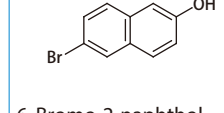
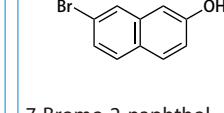
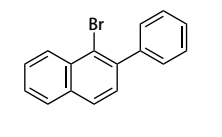
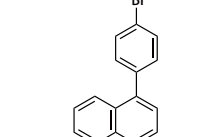
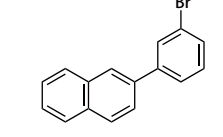
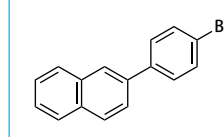
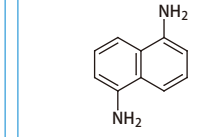
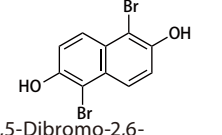
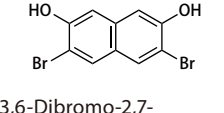
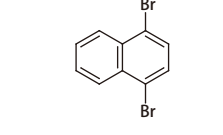
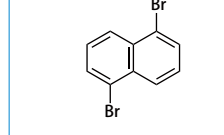
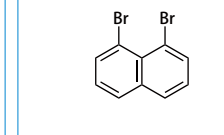
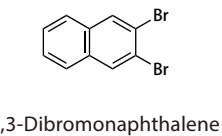
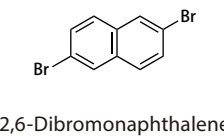
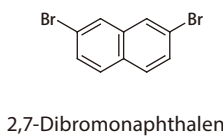
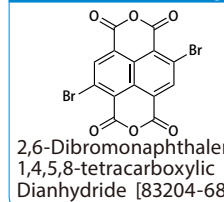
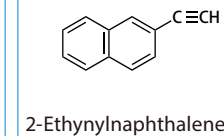
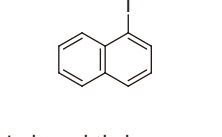
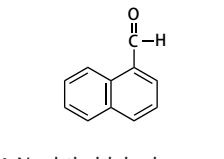
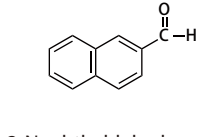
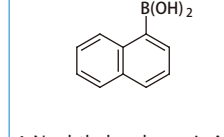
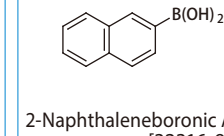
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<p><b>D4291</b> 1g 5g</p>  <p>4-Dodecyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophene [1173788-58-3]</p>	<p><b>F0548</b> 1g 5g 25g</p>  <p>5'-Formyl-2,2'-bithiophene-5-boronic Acid</p>	<p><b>H1298</b> 1g 5g 25g</p>  <p>3-Hexyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophene [850881-09-3]</p>	<p><b>H1294</b> 5g</p>  <p>4-Hexyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophene [883742-29-8]</p>	<p><b>H1499</b> 1g</p>  <p>4-Hexylthiophene-2-carboxaldehyde [222554-30-5]</p>	
<p><b>H1503</b> 200mg</p>  <p>4-Hexylthiophene-2-carbonitrile [1224430-39-0]</p>	<p><b>I0973</b> 200mg 1g</p>  <p>2-Iododibenzo[2,2']thiophene [177586-41-3]</p>	<p><b>I0947</b> 1g 5g</p>  <p>4-Iododibenzo[2,2']thiophene [132034-89-0]</p>	<p><b>O0410</b> 1g 5g</p>  <p>3-n-Octyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophene [405165-14-2]</p>	<p><b>O0411</b> 1g 5g</p>  <p>4-n-Octyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophene [405165-12-0]</p>	
<p><b>O0394</b> 200mg 1g</p>  <p>N-n-Octyl-3,4-thiophenedicarboximide [773881-43-9]</p>	<p><b>T1805</b> 1g</p>  <p>2,2':5',2''-Terthiophene-5-carboxaldehyde [7342-41-8]</p>	<p><b>T2699</b> 1g 5g 25g</p>  <p>3,3',5,5'-Tetrabromo-2,2'-bithiophene [125143-53-5]</p>	<p><b>T2772</b> 1g</p>  <p>2,3,5,6-Tetrabromo-thieno[3,2-b]thiophene [124638-53-5]</p>	<p><b>T2518</b> 1g 5g 25g</p>  <p>5-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)-2,2'-bithiophene [479719-88-5]</p>	
<p><b>T3236</b> 1g 5g 25g</p>  <p>4-(4,4,5,5-Tetramethyl-1,3,2-dioxaborolan-2-yl)dibenzo[2,2']thiophene [912824-84-1]</p>	<p><b>T2621</b> 1g</p>  <p>Thieno[3,2-b]thiophene-2-boronic Acid [160032-40-6]</p>	<p><b>T3221</b> 200mg 1g</p>  <p>Thieno[3,2-b]thiophene-2-carbonitrile [40985-58-8]</p>	<p><b>T3156</b> 200mg 1g</p>  <p>Thieno[3,2-b]thiophene-2-carboxylic Acid [1723-27-9]</p>	<p><b>T2897</b> 1g</p>  <p>3,4-Thiophenedicarboxylic Anhydride [6007-85-8]</p>	
<p><b>T3159</b> 1g</p>  <p>Triphenyl(2-thienylmethyl)phosphonium Bromide [23259-98-5]</p>	<p><b>咔唑</b> Carbazoles</p>		<p><b>A2051</b> 1g 5g</p>  <p>9-Acetyl-3,6-diiodo-carbazole [606129-89-9]</p>	<p><b>A1508</b> 5g</p>  <p>3-Amino-9-ethylcarbazole [132-32-1]</p>	<p><b>B2804</b> 1g 5g</p>  <p>9-Benzylcarbazole-3-carboxaldehyde [54117-37-2]</p>
<p><b>B2805</b> 100mg</p>  <p>9-Benzylcarbazole-3,6-dicarboxaldehyde [200698-05-1]</p>	<p><b>B4348</b> 1g</p>  <p>9-Benzyl-3,6-dibromo-carbazole [118599-27-2]</p>	<p><b>B4646</b> 200mg 1g</p>  <p>3,3'-Bicarbazole [1984-49-2]</p>	<p><b>B4887</b> 1g 5g</p>  <p>3-[4-(4-Biphenylamino)phenyl]-9-phenylcarbazole [1160294-96-1]</p>	<p><b>B4538</b> 5g 25g</p>  <p>9-(4-Biphenyl)-3-bromo-carbazole [894791-46-9]</p>	
<p><b>B4883</b> 1g 5g</p>  <p>10-Bromo-7H-benzo[c]carbazole [1698-16-4]</p>	<p><b>B4816</b> 200mg 1g</p>  <p>1-Bromocarbazole [16807-11-7]</p>	<p><b>B4381</b> 5g 25g</p>  <p>2-Bromocarbazole [3652-90-2]</p>	<p><b>B3458</b> 5g</p>  <p>3-Bromocarbazole [1592-95-6]</p>	<p><b>B4752</b> 200mg 1g</p>  <p>4-Bromocarbazole [3652-89-9]</p>	

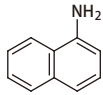
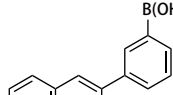
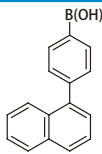
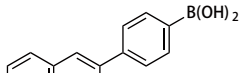
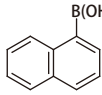
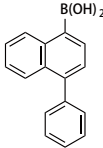
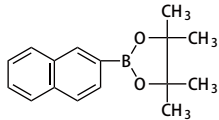
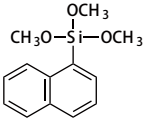
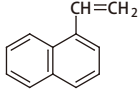
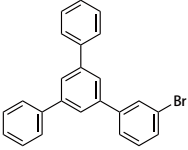
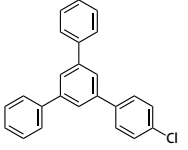
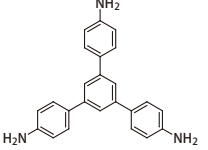
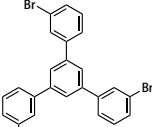
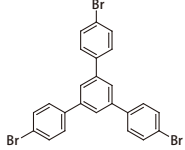
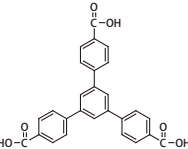
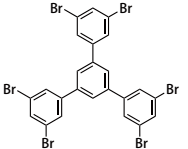
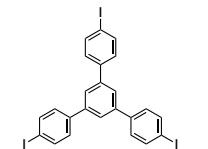
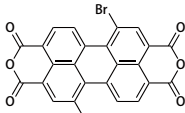
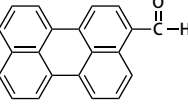
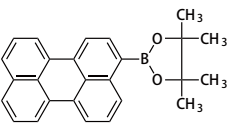
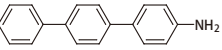
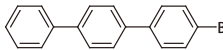
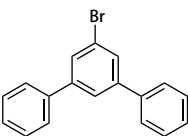
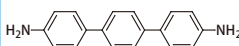
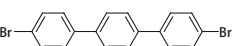
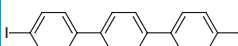
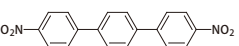
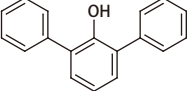
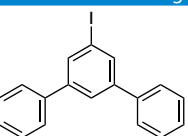
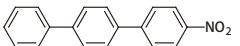
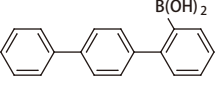
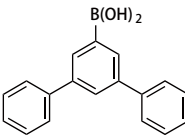
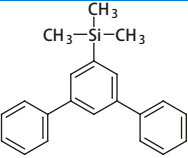
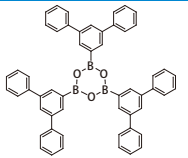
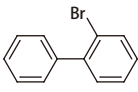
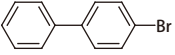
<b>B4795</b> 1g 5g  3-Bromo-6,9-diphenylcarbazole [1160294-85-8]	<b>B3459</b> 1g 5g  3-Bromo-9-ethylcarbazole [57102-97-3]	<b>B4439</b> 1g 5g  2-Bromo-9-phenylcarbazole [94994-62-4]	<b>B3908</b> 1g 5g  3-Bromo-9-phenylcarbazole [1153-85-1]	<b>B3554</b> 1g 5g  9-(4-Bromophenyl)carbazole [57102-42-8]
<b>B4452</b> 1g 5g  3-(4-Bromophenyl)-9-phenylcarbazole [1028647-93-9]	<b>B5028</b> 1g 5g  3-Bromo-9-(2-naphthyl)carbazole [934545-80-9]	<b>C0032</b> 25g 100g 500g  Carbazole [86-74-8]	<b>C1031</b> 1g 5g 25g  9-(Chlorocarbonyl)carbazole [73500-82-0]	<b>C2967</b> 1g 5g  3-(9H-Carbazol-9-yl)phenylboronic Acid [864377-33-3]
<b>C2926</b> 1g 5g  4-(9H-Carbazol-9-yl)phenylboronic Acid [419536-33-7]	<b>D2116</b> 1g 5g  3,6-Diaminocarbazole [86-71-5]	<b>D4473</b> 200mg  7H-Dibenzo[c,g]carbazole [194-59-2]	<b>D4563</b> 200mg 1g  3,6-Dibromo-9-(4-bromophenyl)carbazole [73087-83-9]	<b>D3932</b> 1g 5g  2,7-Dibromocarbazole [136630-39-2]
<b>D2983</b> 1g 5g 25g  3,6-Dibromocarbazole [6825-20-3]	<b>D2982</b> 1g 5g  3,6-Dibromo-9-ethylcarbazole [33255-13-9]	<b>D4832</b> 200mg 1g  2,7-Dibromo-9-phenylcarbazole [444796-09-2]	<b>D2981</b> 1g 5g  3,6-Dibromo-9-phenylcarbazole [57103-20-5]	<b>D3952</b> 1g 5g  3,6-Di-tert-butylcarbazole [37500-95-1]
<b>D3751</b> 1g 5g  3,6-Dichlorocarbazole [5599-71-3]	<b>D4275</b> 200mg 1g  3,6-Diethynylcarbazole [909342-65-0]	<b>D4433</b> 1g 5g  3,6-Diphenylcarbazole [56525-79-2]	<b>D4803</b> 200mg 1g  11,12-Dihydroindolo[2,3-a]carbazole [60511-85-5]	<b>D4860</b> 200mg 1g  11-Phenylindolo[2,3-a]carbazole [1024598-06-8]
<b>D4548</b> 5g 25g  3,6-Diiodocarbazole [57103-02-3]	<b>D4543</b> 1g 5g  3,6-Diiodo-9-phenylcarbazole [57103-21-6]	<b>D4512</b> 1g  3,6-Dimethylcarbazole [5599-50-8]	<b>E0359</b> 25g  3-Formyl-N-ethylcarbazole [7570-45-8]	<b>D4910</b> 200mg 1g  3,6-Dibromo-9-(triphenylen-2-yl)carbazole [1351870-16-0]
<b>D5001</b> 200mg 1g  3,6-Dibromo-9-(p-tolyl)-9H-carbazole [357437-74-2]	<b>E0972</b> 1g 5g  9-(2-Ethylhexyl)carbazole [187148-77-2]	<b>E1055</b> 1g 5g  9-(4-Ethynylphenyl)carbazole [262861-81-4]	<b>E1153</b> 1g 5g  9-Ethylcarbazole-3-boronic Acid [669072-93-9]	<b>F0965</b> 1g  3-Fluorocarbazole [391-45-7]
<b>H1014</b> 1g 5g 25g  4-Hydroxycarbazole [52602-39-8]	<b>I0913</b> 1g 5g  3-Iodo-9-phenylcarbazole [502161-03-7]	<b>I0961</b> 1g 5g  9-(4-Iodophenyl)carbazole [57103-15-8]	<b>M2561</b> 1g  3-Methyl-9H-carbazole [4630-20-0]	<b>N1012</b> 1g 5g  9-(1-Naphthyl)carbazole [22034-43-1]

<b>P2169</b> 200mg 1g  9-Phenylcarbazole-2-boronic Acid [1001911-63-2]	<b>P2001</b> 5g 25g  9-Phenylcarbazole-3-boronic Acid [854952-58-2]	<b>T2932</b> 200mg 1g  1,3,6,8-Tetrabromocarbazole [55119-09-0]	<b>T3051</b> 200mg  1,3,6,8-Tetra- <i>tert</i> -butylcarbazole [34601-54-2]	<b>V0021</b> 25g  9-Vinylcarbazole [1484-13-5]
<b>芴/芴酮</b> <b>Fluorenes/Fluorenones</b>				
<b>A2634</b> 200mg 1g  2-Amino-9,9-dimethylfluorene [108714-73-4]	<b>A2779</b> 1g 5g  2-Amino-9,9-diphenylfluorene [1268519-74-9]	<b>A0621</b> 5g 25g  2-Aminofluorene [153-78-6]	<b>A1040</b> 1g 5g  2-Amino-9-fluorenone [3096-57-9]	
<b>B3931</b> 200mg 1g  1,2-Benzofluorene [238-84-6]	<b>B0059</b> 100mg 1g  2,3-Benzofluorene [243-17-4]	<b>B3933</b> 1g  11 <i>H</i> -Benzo[ <i>a</i> ]fluoren-11-one [479-79-8]	<b>B3932</b> 5g  11 <i>H</i> -Benzo[ <i>b</i> ]fluoren-11-one [3074-03-1]	<b>B1318</b> 1g  9,9'-Bifluorenylidene [746-47-4]
<b>B4441</b> 1g  2-Bromo-9,9-bis(2-ethylhexyl)fluorene [355135-07-8]	<b>B3894</b> 5g 25g  2-Bromo-9,9-dimethylfluorene [28320-31-2]	<b>B4661</b> 200mg 1g  4-Bromo-9,9-dimethylfluorene [942615-32-9]	<b>B4668</b> 1g  2-Bromo-13,13-dimethyl-6 <i>H</i> -indeno[1,2- <i>b</i> ]anthracene-6,11(13 <i>H</i> )-dione [1196107-73-9]	<b>B4366</b> 1g  2-Bromo-9,9-di- <i>n</i> -octylfluorene [302554-80-9]
<b>B4450</b> 1g 5g  2-Bromo-9,9-diphenylfluorene [474918-32-6]	<b>B4776</b> 1g 5g  4-Bromo-9,9-diphenylfluorene [713125-22-5]	<b>B3069</b> 5g 25g 100g  2-Bromofluorene [1133-80-8]	<b>B3109</b> 5g 25g  2-Bromo-9-fluorenone [3096-56-8]	<b>B4431</b> 5g 25g  2-Bromo-7-iodofluorene [123348-27-6]
<b>B1702</b> 5g 25g  9-Bromo-9-phenylfluorene [55135-66-5]	<b>B3560</b> 5g  2-Bromo-9,9'-spirobi[9 <i>H</i> ]fluorene [171408-76-7]	<b>D3557</b> 5g 25g  2,7-Dibromo-9-fluorenone [14348-75-5]	<b>D4573</b> 1g  2,8-Dibromoindeno[1,2- <i>b</i> ]fluorene-6,12-dione [853234-57-8]	<b>D4754</b> 200mg  10,15-Dihydro-2,7,12-triiodo-5,5,10,10,15,15-hexamethyl-5 <i>H</i> -tribenzo[ <i>a,f,k</i> ]trindene [597554-77-3]
<b>D3872</b> 1g  2,2'-Dibromo-9,9'-spirobi[9 <i>H</i> ]fluorene [67665-47-8]	<b>D4084</b> 5g 25g  2,7-Di- <i>tert</i> -butylfluorene [58775-05-6]	<b>D4327</b> 1g 5g  9,9-Dihexylfluorene [123863-97-8]	<b>D3974</b> 1g 5g  9,9-Dimethylfluorene-2-boronic Acid [333432-28-3]	<b>D3235</b> 5g  9,9-Dimethylfluorene [4569-45-3]
<b>D3586</b> 5g 25g  9,9-Diphenylfluorene [20302-14-1]	<b>F0017</b> 25g 500g  Fluorene [86-73-7]	<b>F0021</b> 25g 500g  9-Fluorenone [486-25-9]	<b>F0228</b> 5g 25g  2-Fluorofluorene [343-43-1]	<b>H0329</b> 1g  2-Hydroxy-9-fluorenone [6949-73-1]

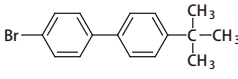
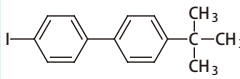
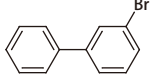
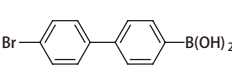
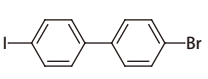
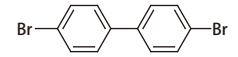
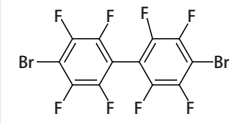
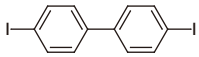
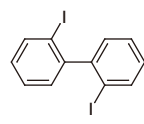
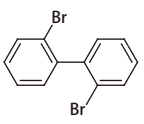
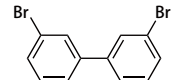
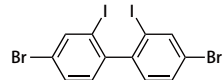
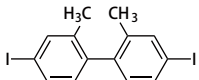
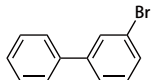
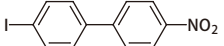
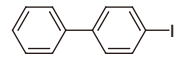
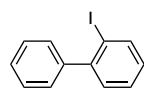
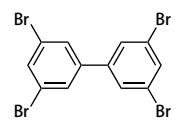
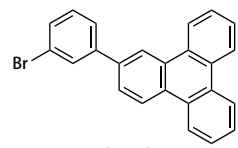
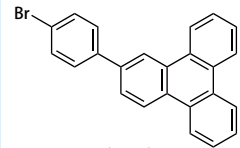
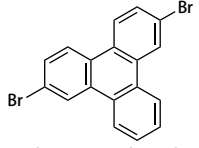
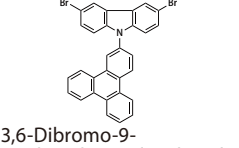
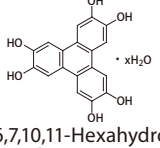
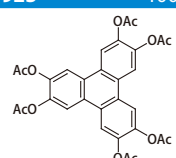
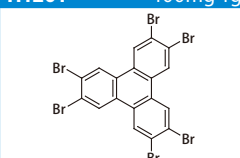
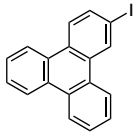
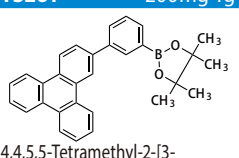
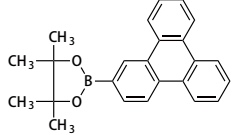
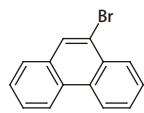
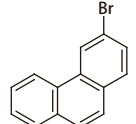
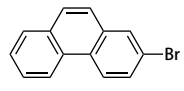
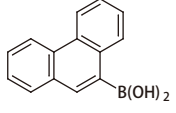
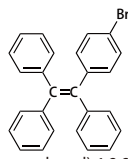
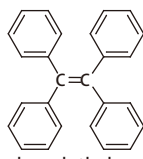
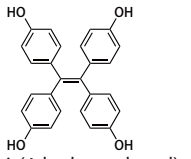
<b>I0875</b> 5g 25g  2-Iodo-9,9-dimethylfluorene [144981-85-1]	<b>I0793</b> 5g 25g  2-Iodofluorene [2523-42-4]	<b>S0800</b> 1g 5g  9,9'-Spiro[9H-fluorene] [159-66-0]	<b>S0831</b> 1g 5g  9,9'-Spiro[9H-fluorene]-2-boronic Acid [236389-21-2]	<b>T2759</b> 1g  2,2',7,7'-Tetrabromo-9,9'-bifluorenylidene [27192-91-2]
<b>蒽/蒽醌</b> <b>Anthracenes/ Anthraquinones</b>				
<b>A1709</b> 1g  1-Anthramine [610-49-1]	<b>A1687</b> 1g  2-Anthramine [613-13-8]	<b>A1843</b> 250mg 1g  2-Anthraceneboronic Acid [141981-64-8]	<b>A2328</b> 1g 5g  9-Anthraceneboronic Acid [100622-34-2]	
<b>A0779</b> 25g 100g  9-Anthraldehyde [642-31-9]	<b>A1220</b> 1g  1-Anthracenecarboxylic Acid [607-42-1]	<b>A1150</b> 1g 5g  2-Anthroic Acid [613-08-1]	<b>A0690</b> 5g 25g  9-Anthroic Acid [723-62-6]	<b>A2664</b> 1g 5g  9,10-Diformylanthracene [7044-91-9]
<b>A1894</b> 1g 5g  Anthraflavic Acid [84-60-6]	<b>A0502</b> 25g 500g  Anthraquinone [84-65-1]	<b>B0018</b> 5g  1,2-Benzanthraquinone [2498-66-0]	<b>B4895</b> 1g 5g  9-(2-Biphenyl)-10-bromoanthracene [400607-16-1]	<b>B4569</b> 1g 5g  9-(4-Biphenyl)-10-bromoanthracene [400607-05-8]
<b>B1327</b> 5g 25g  9,10-Bis(chloromethyl)anthracene [10387-13-0]	<b>B2109</b> 100mg 1g  9,10-Bis(3,5-dihydroxyphenyl)anthracene [153715-08-3]	<b>P1137</b> 1g 5g  9,10-Bis(phenylethynyl)anthracene [10075-85-1]	<b>B3475</b> 1g  1-Bromoanthracene (purified by sublimation) [7397-92-4]	<b>B2615</b> 100mg 500mg  1-Bromoanthracene [7397-92-4]
<b>B2616</b> 1g 5g  2-Bromoanthracene [7321-27-9]	<b>B2871</b> 5g 25g 100g  9-Bromoanthracene [1564-64-3]	<b>B0872</b> 5g 25g  9-Bromoanthracene [1564-64-3]	<b>B2688</b> 1g 5g  1-Bromoanthraquinone [632-83-7]	<b>B2689</b> 1g 5g 25g  2-Bromoanthraquinone [572-83-8]
<b>B1603</b> 1g 5g  7-Bromobenz[a]anthracene [32795-84-9]	<b>B4321</b> 1g 5g  2-Bromo-9,10-di(2-naphthyl)anthracene [474688-76-1]	<b>B3442</b> 1g  2-Bromo-9,10-diphenylanthracene [201731-79-5]	<b>B4451</b> 1g 5g  9-Bromo-10-(1-naphthyl)anthracene [400607-04-7]	<b>B4426</b> 1g 5g  9-Bromo-10-(2-naphthyl)anthracene [474688-73-8]
<b>B4896</b> 200mg 1g  10-Bromo-10'-(2-naphthyl)-9,9'-bianthracene [1172087-81-8]	<b>B4570</b> 200mg 1g  9-Bromo-10-[4-(1-naphthyl)phenyl]anthracene [1092390-01-6]	<b>B4571</b> 200mg 1g  9-Bromo-10-[4-(2-naphthyl)phenyl]anthracene [866611-29-2]	<b>B4572</b> 200mg 1g  9-Bromo-10-(9-phenanthryl)anthracene [845457-53-6]	<b>B3977</b> 1g 5g  9-Bromo-10-phenylanthracene [23674-20-6]

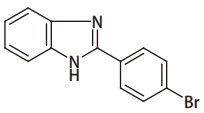
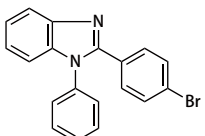
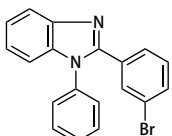
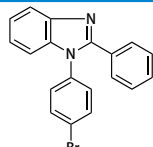
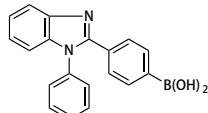
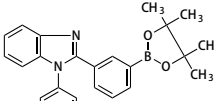
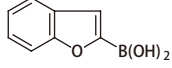
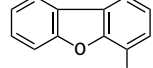
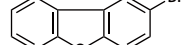
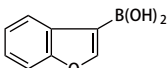
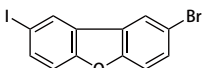
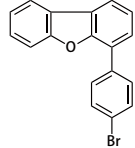
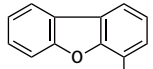
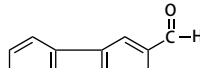
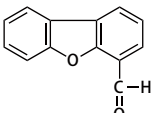

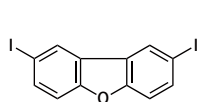
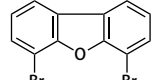
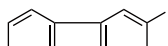
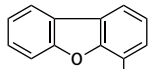
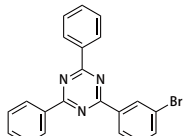
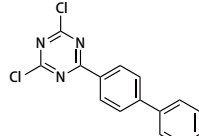
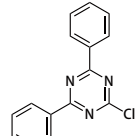
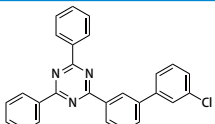
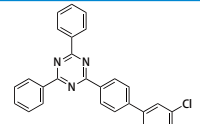
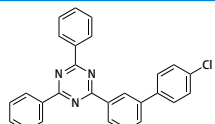
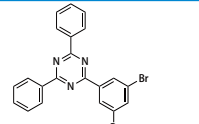
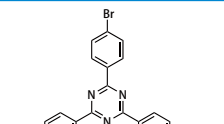
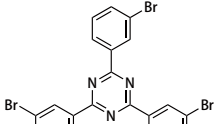
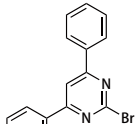
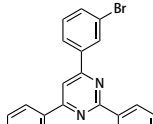
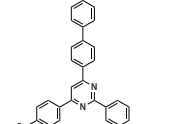
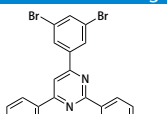
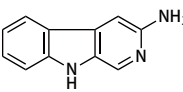
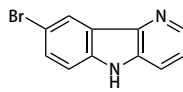
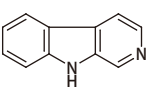
				
9-Bromodibenzobarrelene [126690-96-8]	9-(3-Bromophenyl)-10-phenylanthracene [1023674-80-7]	9-(4-Bromophenyl)-10-phenylanthracene [625854-02-6]	9-Bromo-10-(1,1':3',1''-terphenyl-5'-yl)anthracene [474688-74-9]	2-tert-Butyl-anthraquinone [84-47-9]
				
2-Chloroanthracene [17135-78-3]	1-Chloro-9,10-bis(phenylethynyl)anthracene [41105-35-5]	9-Chloromethylanthracene [24463-19-2]	2,6-Diaminoanthraquinone [131-14-6]	1,5-Dibromoanthracene [3278-82-8]
				
1,8-Dibromoanthracene [131276-24-9]	2,6-Dibromoanthracene [186517-01-1]	9,10-Dibromoanthracene [523-27-3]	1,5-Dibromoanthraquinone [602-77-7]	2,6-Dibromoanthraquinone [633-70-5]
				
10,10'-Dibromo-9,9'-bianthracene [121848-75-7]	2,6-Dibromo-9,10-di(2-naphthyl)anthracene [561064-15-1]	9,10-Diphenylanthracene-2-boronic Acid [597553-98-5]	9,10-Dichloroanthracene [605-48-1]	1,8-Diiodoanthracene [189105-78-0]
				
2,3-Dimethylanthraquinone [6531-35-7]	2-Methylanthraquinone [84-54-8]	9-(1-Naphthyl)anthracene [7424-70-6]	10-(2-Naphthyl)anthracene-9-boronic Acid [597554-03-5]	9-Nitroanthracene [602-60-8]
		<b>芘</b> Pyrenes		
10-Phenyl-9-anthraceneboronic Acid [334658-75-2]	4,4,5,5-Tetramethyl-2-[4-(10-phenylanthracen-9-yl)phenyl]-1,3,2-dioxaborolane [1143576-84-4]			1-Aminopyrene [1606-67-3]
				
2,7-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)pyrene [688756-58-3]	2-Bromo-7-tert-butylpyrene [78751-80-1]	1-Bromopyrene [1714-29-0]	4-Bromopyrene [1732-26-9]	1-Chloromethylpyrene [1086-00-6]
				
1,3-Diaminopyrene [92821-64-2]	1,6-Diaminopyrene [14923-84-3]	1,8-Diaminopyrene [30269-04-6]	1,3-Dibromo-7-tert-butylpyrene [1005771-04-9]	1,6-Dibromopyrene [27973-29-1]

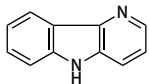
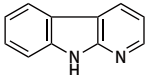
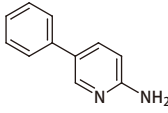
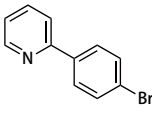
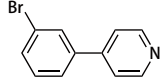
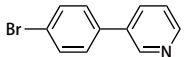
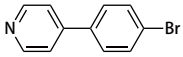
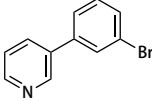
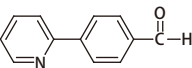
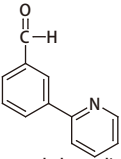
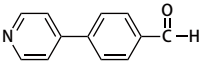
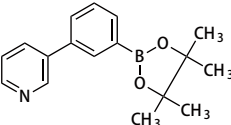
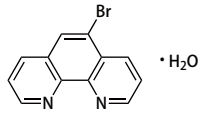
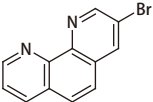
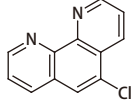
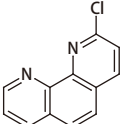
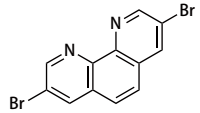
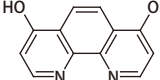
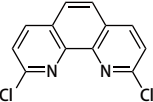
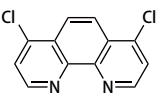
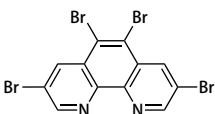
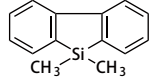
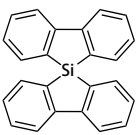
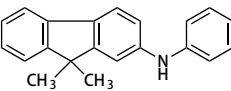
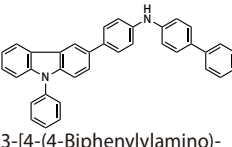
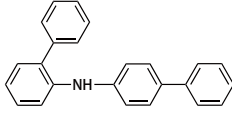
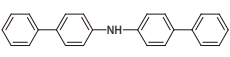
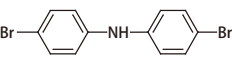
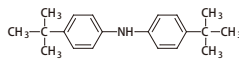
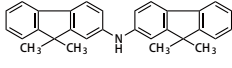
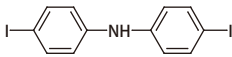
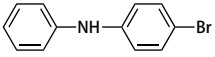
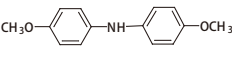
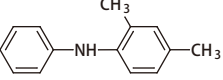
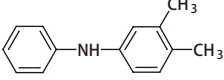
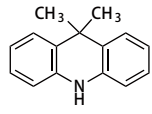
<b>D3169</b> 1g  2,7-Dibromopyrene [102587-98-4]	<b>E0939</b> 200mg 1g  1-Ethynylpyrene [34993-56-1]	<b>I0977</b> 200mg 1g  1-Iodopyrene [34244-15-0]	<b>N0419</b> 5g 25g  1-Nitropyrene [5522-43-0]	<b>N0838</b> 1g  4-Nitropyrene [57835-92-4]
<b>P1625</b> 1g 5g 25g  1-Pyreneboronic Acid [164461-18-1]	<b>P1448</b> 1g 5g  1-Formylpyrene [3029-19-4]	<b>P1687</b> 1g 5g  1-Pyrenecarboxylic Acid [19694-02-1]	<b>P1221</b> 1g 5g  1-Pyrenemethanol [24463-15-8]	<b>P2305</b> 1g 5g  4-(1-Pyrenyl)phenylboronic Acid [872050-52-7]
<b>T2716</b> 5g  1,3,6,8-Tetrabromopyrene [128-63-2]	<b>萘</b> <b>Naphthalenes</b>		<b>B1919</b> 1g 5g  1,4-Bis(bromomethyl)naphthalene (contains ca. 23% isomer) [58791-49-4]	<b>B4563</b> 5g 25g  1-(Bromomethyl)naphthalene [3163-27-7]
<b>B0618</b> 25g 100g 500g  1-Bromonaphthalene [90-11-9]	<b>B0619</b> 5g 25g  2-Bromonaphthalene [580-13-2]	<b>B4463</b> 1g  4-Bromo-1-naphthaleneboronic Acid [145965-14-6]	<b>B0621</b> 25g 100g  6-Bromo-2-naphthol [15231-91-1]	<b>B4580</b> 1g 5g  7-Bromo-2-naphthol [116230-30-9]
<b>B4636</b> 200mg 1g  1-Bromo-2-phenylnaphthalene [22082-93-5]	<b>B3978</b> 1g 5g  1-(4-Bromophenyl)naphthalene [204530-94-9]	<b>B4568</b> 1g 5g  2-(3-Bromophenyl)naphthalene [667940-23-0]	<b>B4159</b> 1g  2-(4-Bromophenyl)naphthalene [22082-99-1]	<b>D0101</b> 25g 100g 500g  1,5-Diaminonaphthalene [2243-62-1]
<b>D4668</b> 5g 25g  1,5-Dibromo-2,6-naphthalenediol [132178-78-0]	<b>D4669</b> 1g 5g  3,6-Dibromo-2,7-naphthalenediol [96965-79-6]	<b>D2359</b> 5g 25g  1,4-Dibromonaphthalene [83-53-4]	<b>D4660</b> 1g 5g  1,5-Dibromonaphthalene [7351-74-8]	<b>D4656</b> 1g  1,8-Dibromonaphthalene [17135-74-9]
<b>D4597</b> 200mg 1g  2,3-Dibromonaphthalene [13214-70-5]	<b>D4154</b> 1g  2,6-Dibromonaphthalene [13720-06-4]	<b>D3624</b> 5g 25g  2,7-Dibromonaphthalene [58556-75-5]	<b>D4339</b> 1g 5g  2,6-Dibromo-1,4,5,8-tetracarboxylic Dianhydride [83204-68-6]	<b>E0933</b> 100mg  2-Ethynyl naphthalene [2949-26-0]
<b>I0266</b> 25g  1-Iodonaphthalene [90-14-2]	<b>N0002</b> 25mL 100mL 500mL  1-Naphthaldehyde [66-77-3]	<b>N0003</b> 5g 25g  2-Naphthaldehyde [66-99-9]	<b>N0630</b> 1g 5g 25g  1-Naphthaleneboronic Acid [13922-41-3]	<b>N0649</b> 1g 5g 25g  2-Naphthaleneboronic Acid [32316-92-0]

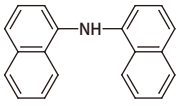
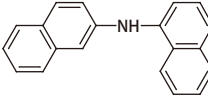
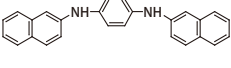
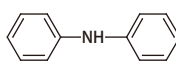
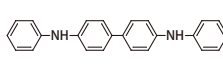
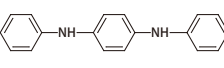
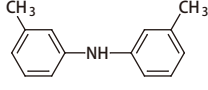
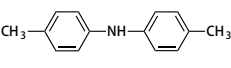
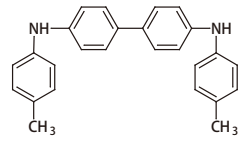
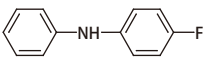
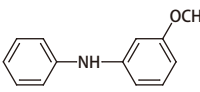
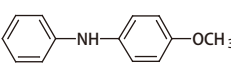
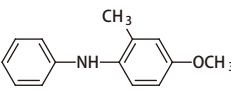
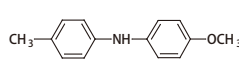
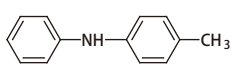
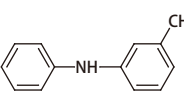
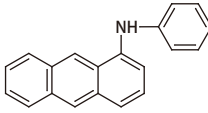
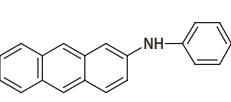
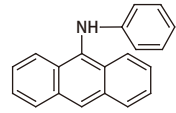
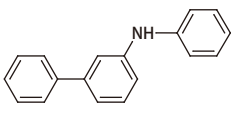
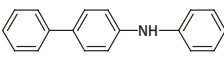
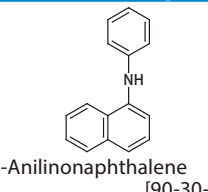
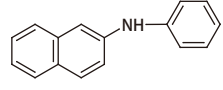
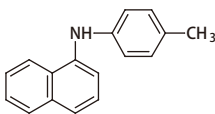
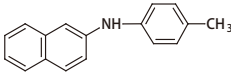
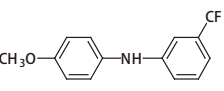
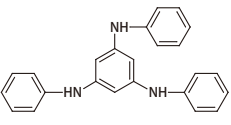
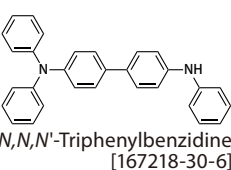
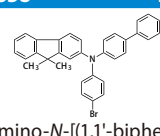
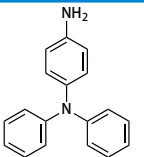
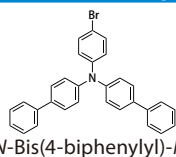
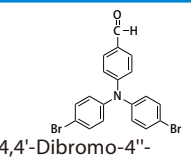
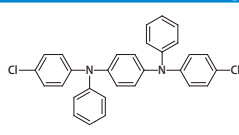
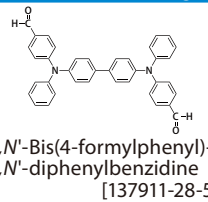
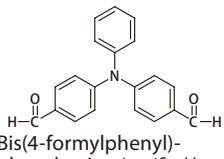
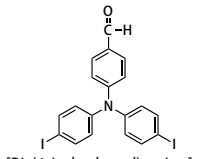
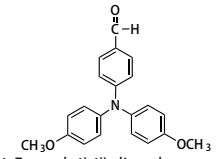
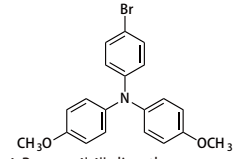
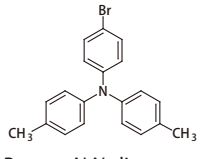
<p><b>N0052</b> 25g 100g</p>  <p>1-Naphthylamine [134-32-7]</p>	<p><b>N1009</b> 1g 5g</p>  <p>3-(2-Naphthyl)phenylboronic Acid [870774-29-1]</p>	<p><b>N0798</b> 1g 5g</p>  <p>4-(1-Naphthyl)phenylboronic Acid [870774-25-7]</p>	<p><b>N0946</b> 200mg 1g</p>  <p>4-(2-Naphthyl)phenylboronic Acid [918655-03-5]</p>	<p><b>N0630</b> 1g 5g 25g</p>  <p>1-Naphthaleneboronic Acid [13922-41-3]</p>
<p><b>P2290</b> 1g 5g</p>  <p>4-Phenylnaphthalene-1-boronic Acid [372521-91-0]</p>	<p><b>T3298</b> 1g 5g</p>  <p>4,4,5,5-Tetramethyl-2-(2-naphthyl)-1,3,2-dioxaborolane [256652-04-7]</p>	<p><b>T3292</b> 1g 5g</p>  <p>1-(Trimethoxysilyl)naphthalene [18052-76-1]</p>	<p><b>V0040</b> 5g</p>  <p>1-Vinylnaphthalene (stabilized with TBC) [826-74-2]</p>	<p><b>三苯基苯</b> <b>Triphenylbenzenes</b></p>
<p><b>B4888</b> 1g 5g</p>  <p>3-Bromo-5'-phenyl-<i>m</i>-terphenyl [1233200-57-1]</p>	<p><b>C3008</b> 200mg 1g</p>  <p>4-Chloro-5'-phenyl-1,1':3',1''-terphenyl [116941-51-6]</p>	<p><b>T2728</b> 5g</p>  <p>1,3,5-Tris(4-aminophenyl)benzene [118727-34-7]</p>	<p><b>T3073</b> 1g 5g</p>  <p>1,3,5-Tris(3-bromophenyl)benzene [96761-85-2]</p>	<p><b>T2644</b> 1g 5g</p>  <p>1,3,5-Tris(4-bromophenyl)benzene [7511-49-1]</p>
<p><b>T2647</b> 1g 5g</p>  <p>1,3,5-Tris(4-carboxyphenyl)benzene [50446-44-1]</p>	<p><b>T3213</b> 200mg 1g</p>  <p>1,3,5-Tris(3,5-dibromophenyl)benzene [29102-67-8]</p>	<p><b>T3084</b> 1g 5g</p>  <p>1,3,5-Tris(4-iodophenyl)benzene [151417-38-8]</p>	<p><b>二萘嵌苯</b> <b>Perylenes</b></p>	<p><b>D3871</b> 1g 5g</p>  <p>1,7-Dibromo-3,4,9,10-perylenetetracarboxylic Dianhydride [118129-60-5]</p>
<p><b>P2110</b> 1g 5g</p>  <p>3-Formylperylene [35438-63-2]</p>	<p><b>T3089</b> 200mg 1g</p>  <p>(3-Perylenyl)boronic Acid Pinacol Ester [950761-81-6]</p>	<p><b>三联苯</b> <b>Terphenyls</b></p>	<p><b>A1340</b> 1g 5g 25g</p>  <p>4-Amino-<i>p</i>-terphenyl [7293-45-0]</p>	<p><b>B2155</b> 1g 5g</p>  <p>4-Bromo-<i>p</i>-terphenyl [1762-84-1]</p>
<p><b>B4308</b> 5g 25g</p>  <p>5'-Bromo-<i>m</i>-terphenyl [103068-20-8]</p>	<p><b>D3390</b> 1g 5g</p>  <p>4,4''-Diamino-<i>p</i>-terphenyl [3365-85-3]</p>	<p><b>D3372</b> 1g 5g</p>  <p>4,4''-Dibromo-<i>p</i>-terphenyl [17788-94-2]</p>	<p><b>D3534</b> 1g 5g</p>  <p>4,4''-Diiodo-<i>p</i>-terphenyl [19053-14-6]</p>	<p><b>D3394</b> 1g</p>  <p>4,4''-Dinitro-<i>p</i>-terphenyl [3282-11-9]</p>
<p><b>D2563</b> 5g 25g</p>  <p>2,6-Diphenylphenol [2432-11-3]</p>	<p><b>I0969</b> 200mg 1g</p>  <p>5'-Iodo-<i>m</i>-terphenyl [87666-86-2]</p>	<p><b>N0610</b> 1g 5g</p>  <p>4-Nitro-<i>p</i>-terphenyl [10355-53-0]</p>	<p><b>T2412</b> 1g</p>  <p>2-<i>p</i>-Terphenylboronic Acid [663954-31-2]</p>	<p><b>T2792</b> 1g</p>  <p>5'-<i>m</i>-Terphenylboronic Acid [128388-54-5]</p>
<p><b>T1871</b> 1g</p>  <p>(<i>m</i>-Terphenyl-5'-yl)trimethylsilane [128388-53-4]</p>	<p><b>T1887</b> 100mg</p>  <p>2,4,6-Tris(<i>m</i>-terphenyl-5'-yl)boroxin [909407-14-3]</p>	<p><b>联苯</b> <b>Biphenyls</b></p>	<p><b>B0559</b> 5mL 25mL</p>  <p>2-Bromobiphenyl [2052-07-5]</p>	<p><b>B1330</b> 25g 250g</p>  <p>4-Bromobiphenyl [92-66-0]</p>

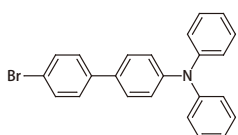
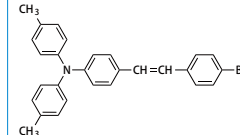
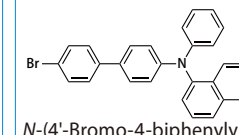
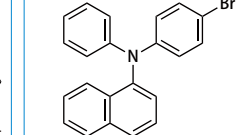
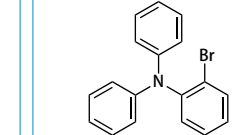
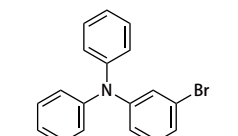
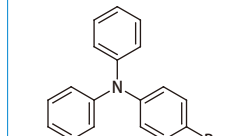
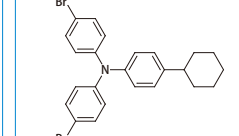
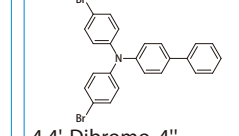
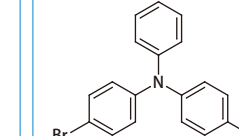
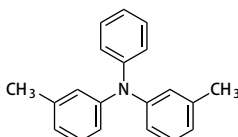
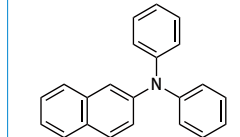
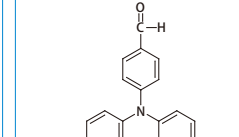
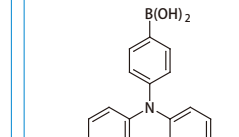
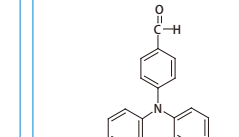
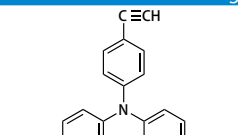
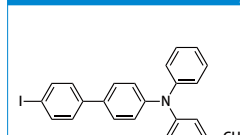
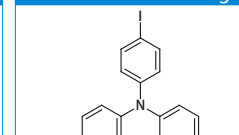
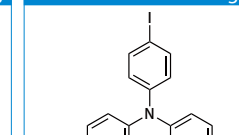
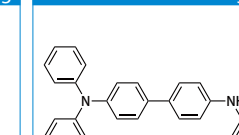
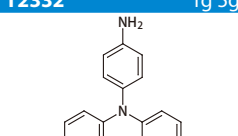
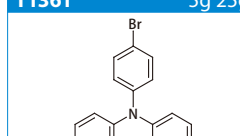
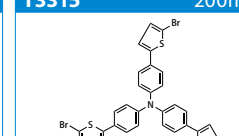
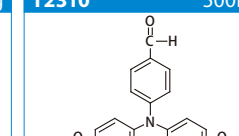
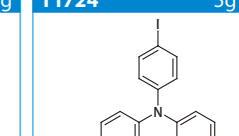
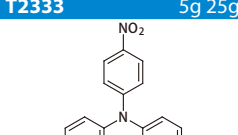
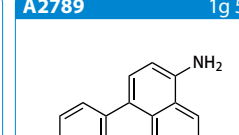
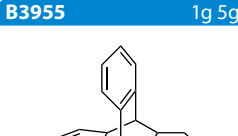
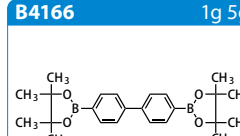
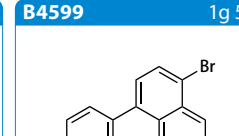
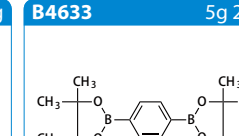
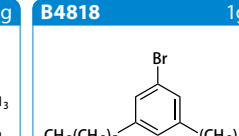
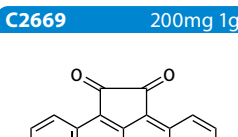
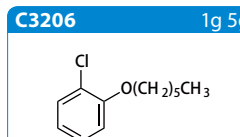
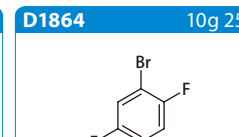
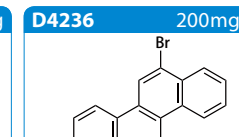
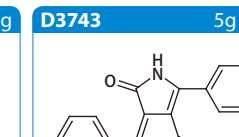


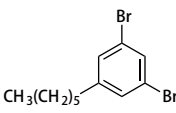
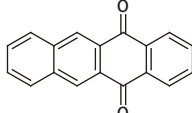
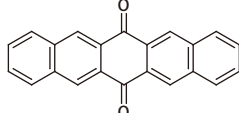
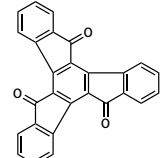
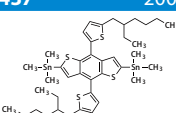
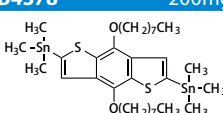
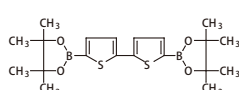
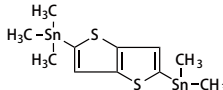
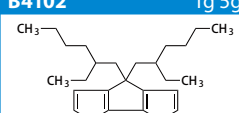
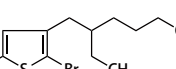
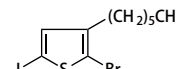
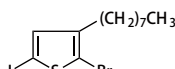
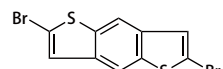
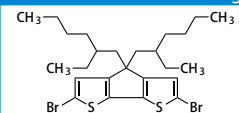
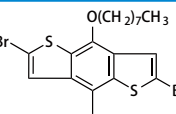
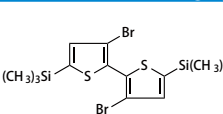
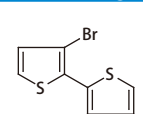
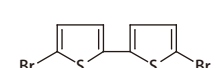
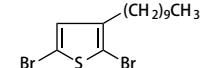


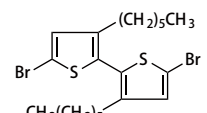
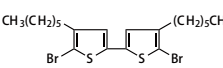


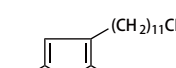
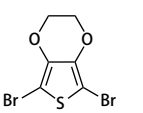
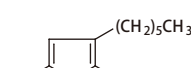
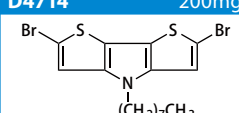
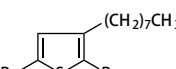
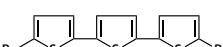
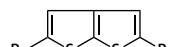
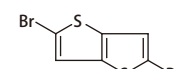
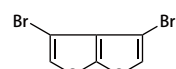
<b>B1913</b> 5g 25g  4-Bromo-4'- <i>tert</i> -butylbiphenyl [162258-89-1]	<b>B1946</b> 5g  4- <i>tert</i> -Butyl-4'-iodobiphenyl	<b>B2001</b> 1g 5g 25g  3-Bromobiphenyl [2113-57-7]	<b>B2860</b> 1g  4'-Bromo-4-biphenylboronic Acid [480996-05-2]	<b>B3648</b> 5g 25g  4-Bromo-4'-iodobiphenyl [105946-82-5]		
<b>D1695</b> 25g 250g  4,4'-Dibromobiphenyl [92-86-4]	<b>D1696</b> 1g 5g  4,4'-Dibromo-octafluorobiphenyl [10386-84-2]	<b>D2315</b> 25g 250g  4,4'-Diiodobiphenyl [3001-15-8]	<b>D2745</b> 1g  2,2'-Diiodobiphenyl [2236-52-4]	<b>D2874</b> 1g 5g  2,2'-Dibromobiphenyl [13029-09-9]		
<b>D3166</b> 5g 25g  3,3'-Dibromobiphenyl [16400-51-4]	<b>D4560</b> 200mg  4,4'-Dibromo-2,2'-diiodobiphenyl [852138-89-7]	<b>D4608</b> 1g 5g  4,4'-Diiodo-2,2'-dimethylbiphenyl [69571-02-4]	<b>D4831</b> 200mg 1g  3,5-Dibromobiphenyl [16372-96-6]	<b>I0537</b> 1g 5g  4-Iodo-4'-nitrobiphenyl [29170-08-9]		
<b>I0785</b> 5g 25g  4-Iodobiphenyl [1591-31-7]	<b>I0967</b> 5g 25g  2-Iodobiphenyl [2113-51-1]	<b>T2805</b> 1g 5g  3,3',5,5'-Tetrabromobiphenyl [16400-50-3]	<b>三亚苯</b> <b>Triphenylenes</b>			
<b>B4746</b> 200mg 1g  2-(3-Bromophenyl)triphenylene [1313514-53-2]	<b>B4955</b> 1g 5g  2-(4-Bromophenyl)triphenylene [1158227-56-5]	<b>D4801</b> 200mg 1g  2,7-Dibromotriphenylene [888041-37-0]	<b>D4910</b> 200mg 1g  3,6-Dibromo-9-(triphenyl-2-yl)carbazole [1351870-16-0]	<b>H0907</b> 1g 5g  2,3,6,7,10,11-Hexahydroxytriphenylene Hydrate [4877-80-9]		
<b>H0923</b> 100mg  2,3,6,7,10,11-Hexaacetoxyltriphenylene [32829-08-6]	<b>H1201</b> 100mg 1g  2,3,6,7,10,11-Hexabromotriphenylene [82632-80-2]	<b>I0978</b> 200mg 1g  2-Iodotriphenylene [1228778-59-3]	<b>T3261</b> 200mg 1g  4,4,5,5-Tetramethyl-2-[3-(triphenyl-2-yl)phenyl]-1,3,2-dioxaborolane [1115639-92-3]	<b>T3322</b> 1g 5g  Triphenylene-2-ylboronic Acid Pinacol Ester [890042-13-4]		
<b>菲</b> <b>Phenanthrenes</b>		<b>B0838</b> 25g 250g  9-Bromophenanthrene [573-17-1]	<b>B2387</b> 100mg  3-Bromophenanthrene [715-50-4]	<b>B4671</b> 200mg 1g  2-Bromophenanthrene [62162-97-4]	<b>P1093</b> 1g 5g  9-Phenanthreneboronic Acid [68572-87-2]	
<b>四苯乙烯</b> <b>Tetraphenylethylenes</b>		<b>B3634</b> 1g 5g  1-(4-Bromophenyl)-1,2,2-triphenylethylene [34699-28-0]	<b>T0167</b> 1g 10g  Tetraphenylethylene [632-51-9]	<b>T3142</b> 1g 5g  Tetrakis(4-hydroxyphenyl)ethylene [119301-59-6]	<b>苯并咪唑</b> <b>Benzimidazoles</b>	

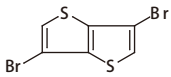
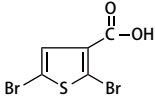
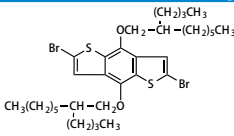
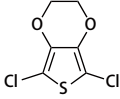
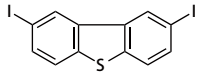
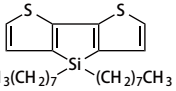
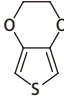
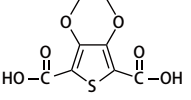
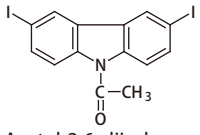
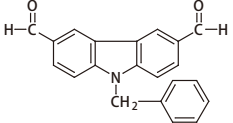
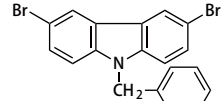
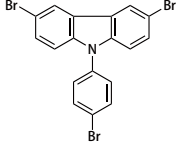
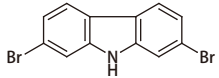
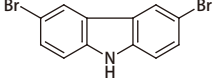
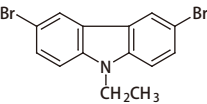
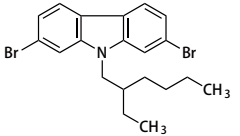
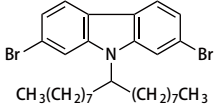
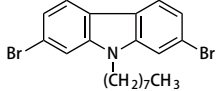
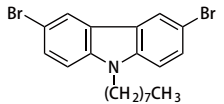
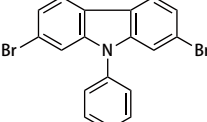
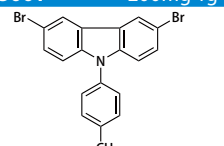
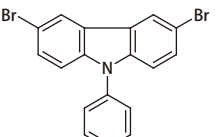
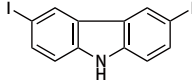
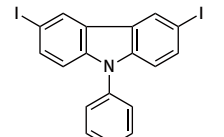
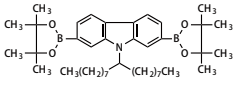
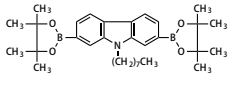
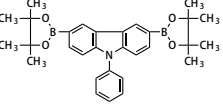
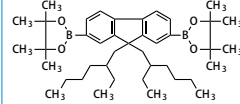
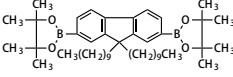
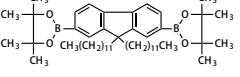
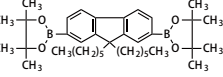
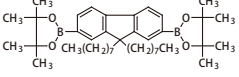
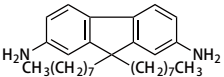
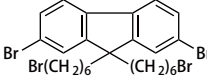
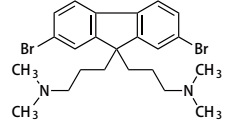
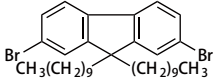
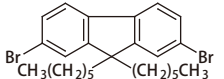
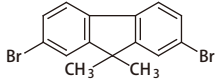
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<p><b>P2263</b> 1g 5g</p>  <p>3-(1-Phenyl-1H-benzimidazole-2-yl)phenylboronic Acid Pinacol Ester [952514-86-2]</p>	<p><b>苯并呋喃</b> <b>Benzofurans</b></p>		<p><b>B2978</b> 1g</p>  <p>Benzofuran-2-boronic Acid [98437-24-2]</p>	<p><b>B4345</b> 1g 5g</p>  <p>4-Bromodibenzofuran [89827-45-2]</p>	<p><b>B4459</b> 1g 5g</p>  <p>2-Bromodibenzofuran [86-76-0]</p>
<p><b>B4522</b> 1g 5g</p>  <p>Benzofuran-3-boronic Acid [317830-83-4]</p>	<p><b>B4867</b> 200mg 1g</p>  <p>2-Bromo-8-iododibenzofuran [916435-41-1]</p>	<p><b>B4884</b> 1g 5g</p>  <p>4-(4-Bromophenyl)dibenzofuran [955959-84-9]</p>	<p><b>D4567</b> 1g 5g</p>  <p>Dibenzofuran-4-boronic Acid [100124-06-9]</p>	<p><b>D4759</b> 1g 5g</p>  <p>Dibenzofuran-2-carbox-aldehyde [5397-82-0]</p>	
<p><b>D4771</b> 1g 5g</p>  <p>Dibenzofuran-4-carbox-aldehyde [96706-46-6]</p>	<p><b>D4821</b> 1g 5g</p>  <p>2,8-Dibromodibenzofuran [10016-52-1]</p>	<p><b>D4835</b> 200mg 1g</p>  <p>2,8-Diiododibenzofuran [5943-11-3]</p>	<p><b>D4858</b> 200mg 1g</p>  <p>4,6-Dibromodibenzofuran [201138-91-2]</p>	<p><b>I0968</b> 1g 5g</p>  <p>2-Iododibenzofuran [5408-56-0]</p>	
<p><b>I0972</b> 200mg 1g</p>  <p>4-Iododibenzofuran [65344-26-5]</p>	<p><b>三嗪</b> <b>Triazines</b></p>		<p><b>B4894</b> 1g 5g</p>  <p>2-(3-Bromophenyl)-4,6-diphenyl-1,3,5-triazine [864377-31-1]</p>	<p><b>B4940</b> 200mg 1g</p>  <p>2-(4-Biphenyl)-4,6-dichloro-1,3,5-triazine [10202-45-6]</p>	<p><b>C2703</b> 5g 25g</p>  <p>2-Chloro-4,6-diphenyl-1,3,5-triazine [3842-55-5]</p>
<p><b>C3162</b> 200mg 1g</p>  <p>2-(3'-Chlorobiphenyl-3-yl)-4,6-diphenyl-1,3,5-triazine [1443049-83-9]</p>	<p><b>C3163</b> 200mg 1g</p>  <p>2-(3'-Chlorobiphenyl-4-yl)-4,6-diphenyl-1,3,5-triazine [1443049-84-0]</p>	<p><b>C3164</b> 200mg 1g</p>  <p>2-(4'-Chlorobiphenyl-3-yl)-4,6-diphenyl-1,3,5-triazine [1443049-85-1]</p>	<p><b>D4902</b> 200mg 1g</p>  <p>2-(3,5-Dibromophenyl)-4,6-diphenyl-1,3,5-triazine [1073062-59-5]</p>	<p><b>T3178</b> 200mg</p>  <p>2,4,6-Tris(4-bromophenyl)-1,3,5-triazine [30363-03-2]</p>	
<p><b>T3308</b> 1g 5g</p>  <p>2,4,6-Tris(3-bromophenyl)-1,3,5-triazine [890148-78-4]</p>	<p><b>嘧啶</b> <b>Pyrimidines</b></p>		<p><b>B4662</b> 200mg 1g</p>  <p>2-Bromo-4,6-diphenylpyrimidine [56181-49-8]</p>	<p><b>B4930</b> 200mg 1g</p>  <p>4-(3-Bromophenyl)-2,6-diphenylpyrimidine [864377-28-6]</p>	<p><b>B4953</b> 1g 5g</p>  <p>4-(Biphenyl-4-yl)-6-(4-bromophenyl)-2-phenylpyrimidine [1421599-34-9]</p>
<p><b>D4895</b> 200mg 1g</p>  <p>4-(3,5-Dibromophenyl)-2,6-diphenylpyrimidine [607740-08-9]</p>	<p><b>咔啉</b> <b>Carbolines</b></p>		<p><b>A2486</b> 100mg 1g</p>  <p>3-Amino-β-carboline [73834-77-2]</p>	<p><b>B4747</b> 100mg</p>  <p>8-Bromo-5H-pyrido[3,2-b]indole [1236349-67-9]</p>	<p><b>P1121</b> 100mg</p>  <p>β-Carboline [244-63-3]</p>

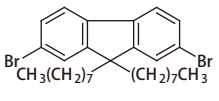
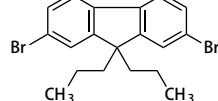
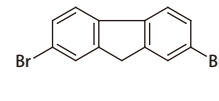
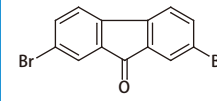
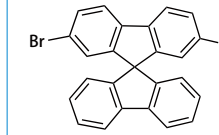
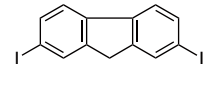
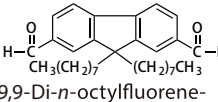
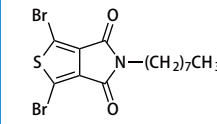
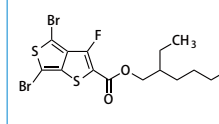
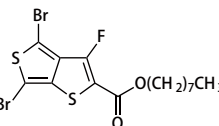
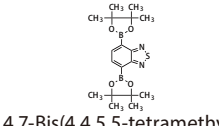
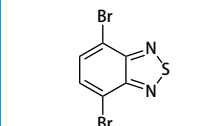
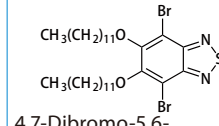
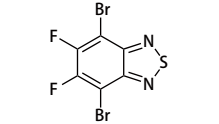
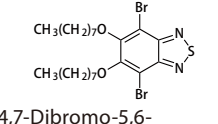
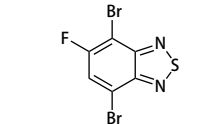
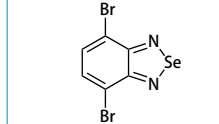
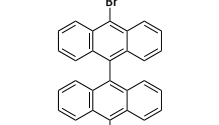
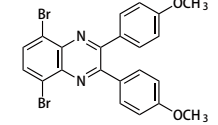
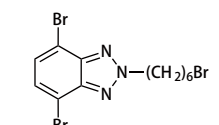
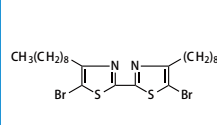
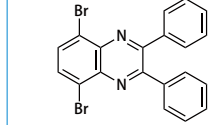
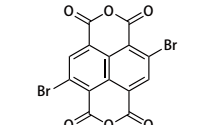
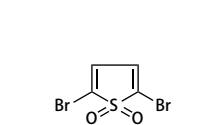
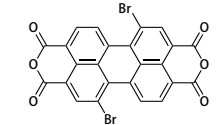
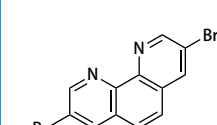
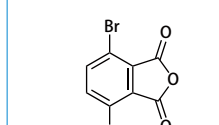
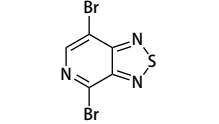
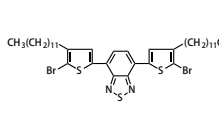
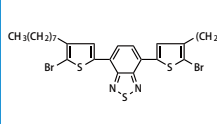
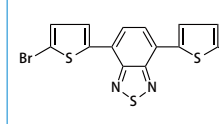
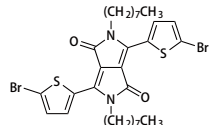
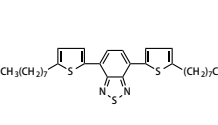
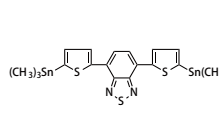
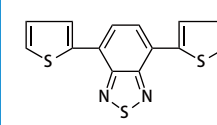
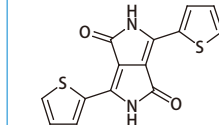
<b>P2274</b> 100mg  $\delta$ -Carboline [245-08-9]	<b>P2310</b> 200mg 1g  $\alpha$ -Carboline [244-76-8]	<b>苯基吡啶</b> <b>Phenylpyridines</b>	<b>A1667</b> 100mg 1g  2-Amino-5-phenylpyridine [33421-40-8]	<b>B4500</b> 1g 5g  2-(4-Bromophenyl)pyridine [63996-36-1]
<b>B4616</b> 1g 5g  4-(3-Bromophenyl)pyridine [4373-72-2]	<b>B4617</b> 1g 5g  3-(4-Bromophenyl)pyridine [129013-83-8]	<b>B4663</b> 1g  4-(4-Bromophenyl)pyridine [39795-60-3]	<b>B4865</b> 1g 5g  3-(3-Bromophenyl)pyridine [4422-32-6]	<b>P1671</b> 1g 5g  4-(2-Pyridyl)benzaldehyde [127406-56-8]
<b>P1889</b> 1g  2-(3-Formylphenyl)pyridine [85553-53-3]	<b>P1983</b> 200mg 1g  4-(4-Pyridyl)benzaldehyde [99163-12-9]	<b>T3313</b> 1g 5g  3-(3-Pyridyl)phenylboronic Acid Pinacol Ester [939430-30-5]	<b>邻二氮菲</b> <b>Phenanthrolines</b>	<b>B0429</b> 200mg 1g  5-Bromo-1,10-phenanthroline Monohydrate [855360-86-0]
<b>B2632</b> 200mg  3-Bromo-1,10-phenanthroline [66127-01-3]	<b>C0786</b> 100mg 1g  5-Chloro-1,10-phenanthroline [4199-89-7]	<b>C1560</b> 100mg 1g  2-Chloro-1,10-phenanthroline [7089-68-1]	<b>D3209</b> 200mg 1g  3,8-Dibromo-1,10-phenanthroline [100125-12-0]	<b>D3869</b> 1g  4,7-Dihydroxy-1,10-phenanthroline [3922-40-5]
<b>D4186</b> 200mg 1g  2,9-Dichloro-1,10-phenanthroline [29176-55-4]	<b>D4421</b> 200mg 1g  4,7-Dichloro-1,10-phenanthroline Hydrate [5394-23-0]	<b>T3133</b> 100mg  3,5,6,8-Tetrabromo-1,10-phenanthroline [66127-00-2]	<b>噻咯</b> <b>Siloles</b>	<b>D4308</b> 1g 5g  9,9-Dimethyl-9H-9-silafluorene [13688-68-1]
<b>S0983</b> 200mg 1g  9,9'-Spiro[9H-9-silafluorene] [159-68-2]	<b>二级芳基胺</b> <b>Secondary Arylamines</b>	<b>A2741</b> 1g 5g  2-Anilino-9,9-dimethylfluorene [355832-04-1]	<b>B4887</b> 1g 5g  3-[4-(4-Biphenylamino)phenyl]-9-phenylcarbazole [1160294-96-1]	<b>B4866</b> 1g 5g  N-(4-Biphenyl)-2-biphenylamine [1372775-52-4]
<b>B2429</b> 1g 5g  4,4'-Iminobis(biphenyl) [102113-98-4]	<b>B2684</b> 1g 5g  Bis(4-bromophenyl)amine [16292-17-4]	<b>B2803</b> 25g 500g  Bis(4-tert-butylphenyl)amine [4627-22-9]	<b>B4664</b> 1g 5g  Bis(9,9-dimethyl-9H-fluorene-2-yl)amine [500717-23-7]	<b>B2685</b> 1g 5g  Bis(4-iodophenyl)amine [20255-70-3]
<b>B3949</b> 5g 25g  4-Bromodiphenylamine [54446-36-5]	<b>D0632</b> 1g 5g  Di-p-anisylamine [101-70-2]	<b>D3398</b> 25g  N-Phenyl-2,4-xylidine [25078-04-0]	<b>D3845</b> 25g  N-Phenyl-3,4-xylidine [17802-36-7]	<b>D5028</b> 200mg 1g  9,10-Dihydro-9,9-dimethylacridine [6267-02-3]

<b>D2986</b> 1g  1,1'-Dinaphthylamine [737-89-3]	<b>D2988</b> 1g 5g  1,2'-Dinaphthylamine (purified by sublimation) [4669-06-1]	<b>D0812</b> 25g 500g  N,N'-Di-2-naphthyl-1,4-phenylenediamine [93-46-9]	<b>D0872</b> 25g 500g  Diphenylamine [122-39-4]	<b>D0878</b> 5g 25g  N,N'-Diphenylbenzidine [531-91-9]
<b>D0609</b> 25g 500g  N,N'-Diphenyl-1,4-phenylenediamine [74-31-7]	<b>D1512</b> 5g 25g  m,m'-Ditolylamine [626-13-1]	<b>D0950</b> 5g 25g  p,p'-Ditolylamine [620-93-9]	<b>D3567</b> 1g  N,N'-Di-p-tolylbenzidine [10311-61-2]	<b>F0630</b> 1g 5g  4-Fluorodiphenylamine [330-83-6]
<b>M1135</b> 25g 500g  3-Methoxydiphenylamine [101-16-6]	<b>M2069</b> 5g 25g  4-Methoxydiphenylamine [1208-86-2]	<b>M1286</b> 25g 500g  4-Methoxy-2-methyldiphenylamine [41317-15-1]	<b>M2070</b> 5g 25g  4-Methoxy-4'-methyldiphenylamine [39253-43-5]	<b>M1173</b> 1g 5g  4-Methyldiphenylamine [620-84-8]
<b>M1258</b> 25g  3-Methyldiphenylamine [1205-64-7]	<b>P1494</b> 500mg  1-Anilinoanthracene [98683-00-2]	<b>P1495</b> 1g  2-Anilinoanthracene [109871-20-7]	<b>P1496</b> 1g 5g  9-Anilinoanthracene [15424-38-1]	<b>P1497</b> 500mg  3-Anilino-biphenyl [198275-79-5]
<b>P1498</b> 500mg  4-Anilino-biphenyl [32228-99-2]	<b>P0197</b> 25g 500g  1-Anilino-naphthalene [90-30-2]	<b>P0198</b> 25g 500g  2-Anilino-naphthalene [135-88-6]	<b>T2201</b> 500mg  1-(p-Toluidino)-naphthalene [634-43-5]	<b>T2065</b> 500mg  2-(p-Toluidino)-naphthalene [644-16-6]
<b>T1326</b> 1g 5g  3-Trifluoromethyl-4'-methoxy-diphenylamine [1494-26-4]	<b>T1831</b> 5g 25g  1,3,5-Tris(phenylamino)-benzene [102664-66-4]	<b>T2891</b> 1g 5g  N,N,N'-Triphenylbenzidine [167218-30-6]	<b>三级芳基胺</b> <b>Tertiary Arylamines</b>	
<b>A2858</b> 1g 5g  2-Amino-N-((1,1'-biphenyl)-4-yl)-N-(4-bromophenyl)-9,9-dimethylfluorene [1246562-40-2]	<b>A2624</b> 200mg  4-Aminotriphenylamine [2350-01-8]	<b>B4550</b> 5g 25g  N,N-Bis(4-biphenyl)-N-(4-bromophenyl)amine [499128-71-1]	<b>B3991</b> 200mg  4,4'-Dibromo-4''-formyltriphenylamine [25069-38-9]	<b>B1336</b> 1g  N,N'-Bis(4-chlorophenyl)-N,N'-diphenyl-1,4-phenylenediamine [113703-66-5]
<b>B4793</b> 200mg 1g  N,N'-Bis(4-formylphenyl)-N,N'-diphenylbenzidine [137911-28-5]	<b>B2843</b> 1g  Bis(4-formylphenyl)-phenylamine (purified by sublimation) [53566-95-3]	<b>B4543</b> 200mg  4-[Bis(4-iodophenyl)amino]-benzaldehyde [808758-81-8]	<b>B4905</b> 1g  4-Formyl-4,4''-dimethoxy-triphenylamine [89115-20-8]	<b>B4667</b> 1g 5g  4-Bromo-4,4''-dimethoxy-triphenylamine [194416-45-0]
<b>B3089</b> 1g 5g  4-Bromo-N,N-di-p-tolylaniline [58047-42-0]				

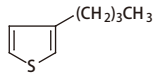
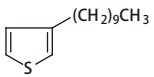
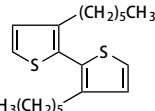
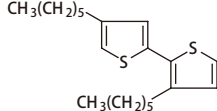
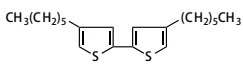
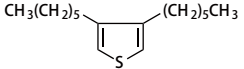
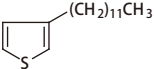
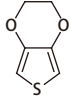
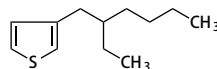
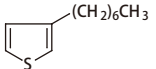
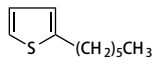
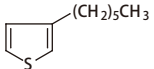
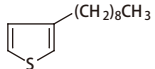
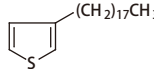
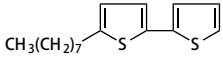
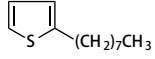
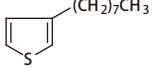
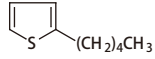
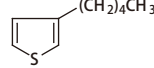
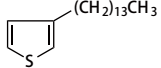
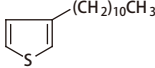
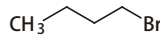
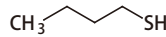


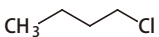
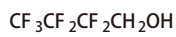

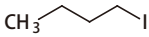
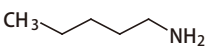
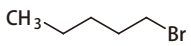
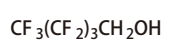
<b>B2844</b> 250mg 1g  4-Bromo-4'-(diphenylamino)-biphenyl [202831-65-0]	<b>B4906</b> 200mg 1g  4-Bromo-4'-[di( <i>p</i> -tolyl)amino]-stilbene [101186-77-0]	<b>B5049</b> 200mg 1g  <i>N</i> -(4'-Bromo-4-biphenyl)- <i>N</i> -phenyl-1-naphthylamine [352359-42-3]	<b>B4299</b> 200mg 1g  1-[ <i>N</i> -(4-Bromophenyl)anilino]-naphthalene [138310-84-6]	<b>B4008</b> 5g  2-Bromotriphenylamine [78600-31-4]
<b>B4036</b> 1g 5g  3-Bromotriphenylamine [78600-33-6]	<b>B2633</b> 5g 25g  4-Bromotriphenylamine [36809-26-4]	<b>D3302</b> 1g  4,4'-Dibromo-4''-cyclohexyltriphenylamine	<b>D3303</b> 1g  4,4'-Dibromo-4''-phenyltriphenylamine [884530-69-2]	<b>D1910</b> 1g 5g  4,4'-Dibromotriphenylamine [81090-53-1]
<b>D4755</b> 1g 5g  <i>N,N</i> -Di- <i>m</i> -tolylaniline [13511-11-0]	<b>D4843</b> 1g 5g  <i>N,N</i> -Diphenyl-2-naphthylamine [6940-30-3]	<b>D2172</b> 5g 25g  <i>p</i> -Formyltriphenylamine [4181-05-9]	<b>D3537</b> 1g 5g  Triphenylamine-4-boronic Acid [201802-67-7]	<b>D2737</b> 1g 5g  4-(Di- <i>p</i> -tolylamino)-benzaldehyde [42906-19-4]
<b>E0894</b> 1g  4-Ethynyltriphenylamine [205877-26-5]	<b>I0490</b> 1g  <i>N</i> -(4'-Iodobiphenyl-4-yl)- <i>N</i> -( <i>m</i> -tolyl)aniline [195443-34-6]	<b>I0776</b> 1g 5g  4-Iodo-4',4''-dimethoxy-triphenylamine [201802-15-5]	<b>I0951</b> 1g 5g  4-Iodotriphenylamine [38257-52-2]	<b>T2891</b> 1g 5g  <i>N,N,N'</i> -Triphenylbenzidine [167218-30-6]
<b>T2332</b> 1g 5g  Tris(4-aminophenyl)amine [5981-09-9]	<b>T1361</b> 5g 25g  Tris(4-bromophenyl)amine [4316-58-9]	<b>T3315</b> 200mg  Tris[4-(5-bromothiophen-2-yl)phenyl]amine [339985-36-3]	<b>T2310</b> 500mg  Tris(4-formylphenyl)amine [119001-43-3]	<b>T1724</b> 5g 25g  Tris(4-iodophenyl)amine [4181-20-8]
<b>T2333</b> 5g 25g  Tris(4-nitrophenyl)amine [20440-93-1]	<b>其他 Others</b>			<b>A2789</b> 1g 5g  3-Aminofluoranthene [2693-46-1]
<b>B3955</b> 1g 5g  9-Bromotriptycene [15364-55-3]	<b>B4166</b> 1g 5g  4,4'-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-biphenyl [207611-87-8]	<b>B4599</b> 1g 5g  3-Bromofluoranthene [13438-50-1]	<b>B4633</b> 5g 25g  1,4-Benzenediboronic Acid Bis(pinacol) Ester [99770-93-1]	<b>B4818</b> 1g 5g  1-Bromo-3,5-dihexylbenzene [1238156-36-9]
<b>C2669</b> 200mg 1g  Cyclopenta[ <i>fg</i> ]tetracene-1,2-dione [1334510-66-5]	<b>C3206</b> 1g 5g  1-Chloro-2,4-bis(hexyloxy)benzene [851228-26-7]	<b>D1864</b> 10g 25g  1,4-Dibromo-2,5-difluorobenzene [327-51-5]	<b>D4236</b> 200mg 1g  6,12-Dibromochrysene [131222-99-6]	<b>D3743</b> 5g 25g  Pigment Red 255 [54660-00-3]

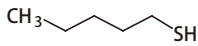
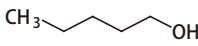
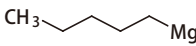
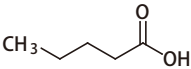
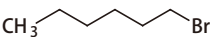
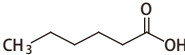
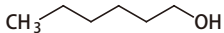
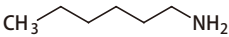
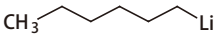
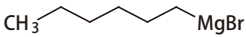
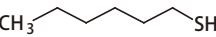
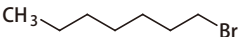

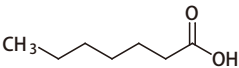
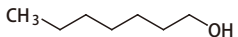
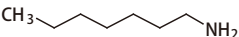
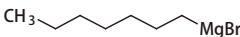
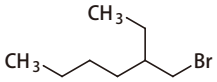

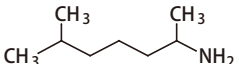
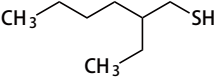
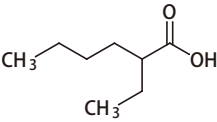
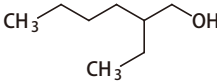
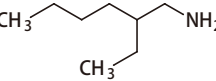
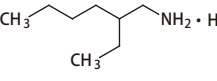
<p><b>D4789</b> 1g 5g</p>  <p>1,3-Dibromo-5-hexylbenzene [75894-97-2]</p>	<p><b>N0603</b> 10g 25g</p>  <p>Tetracenequinone [1090-13-7]</p>	<p><b>P1685</b> 5g 25g</p>  <p>6,13-Pentacenedione [3029-32-1]</p>	<p><b>T3249</b> 200mg</p>  <p>Truxenone [4430-15-3]</p>	
<p><b>半导体聚合物合成砌块</b></p> <p><b>Building Blocks for Semiconducting Polymer</b></p>		<p><b>供体原料</b></p> <p><b>噻吩</b></p> <p><b>Donor Raw Materials, Thiophenes</b></p>		
<p><b>B4437</b> 200mg</p>  <p>4,8-Bis[5-(2-ethylhexyl)thiophen-2-yl]-2,6-bis(trimethylstannyl)benzo[1,2-b:4,5-b']dithiophene [1352642-37-5]</p>	<p><b>B4378</b> 200mg</p>  <p>4,8-Bis(n-octyloxy)-2,6-bis(trimethylstannyl)benzo[1,2-b:4,5-b']dithiophene [1098102-95-4]</p>	<p><b>B3363</b> 5g</p>  <p>5,5'-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-2,2'-bithiophene [239075-02-6]</p>	<p><b>B4536</b> 200mg 1g</p>  <p>2,5-Bis(trimethylstannyl)thieno[3,2-b]thiophene [469912-82-1]</p>	<p><b>B4102</b> 1g 5g</p>  <p>4,4-Bis(2-ethylhexyl)-4H-cyclopenta[2,1-b:3,4-b']dithiophene [365547-20-2]</p>
<p><b>B4585</b> 1g 5g</p>  <p>2-Bromo-3-(2-ethylhexyl)-5-iodothiophene (stabilized with Copper chip) [1034352-30-1]</p>	<p><b>B3865</b> 1g 5g</p>  <p>2-Bromo-3-hexyl-5-iodothiophene (stabilized with Copper chip) [160096-76-4]</p>	<p><b>B4584</b> 1g</p>  <p>2-Bromo-5-iodo-3-n-octylthiophene (stabilized with Copper chip) [1085181-82-3]</p>	<p><b>D3954</b> 1g 5g</p>  <p>2,6-Dibromobenzo[1,2-b:4,5-b']dithiophene [909280-97-3]</p>	<p><b>D4568</b> 200mg</p>  <p>2,6-Dibromo-4,4-bis(2-ethylhexyl)-4H-cyclopenta[2,1-b:3,4-b']dithiophene [365547-21-3]</p>
<p><b>D4621</b> 200mg</p>  <p>2,6-Dibromo-4,8-bis(n-octyloxy)benzo[1,2-b:4,5-b']dithiophene [1294515-75-5]</p>	<p><b>D3941</b> 1g 5g</p>  <p>3,3'-Dibromo-5,5'-bis(trimethylsilyl)-2,2'-bithiophene [207742-50-5]</p>	<p><b>D3798</b> 1g 5g 25g</p>  <p>3,3'-Dibromo-2,2'-bithiophene [51751-44-1]</p>	<p><b>D2755</b> 1g 5g</p>  <p>5,5'-Dibromo-2,2'-bithiophene [4805-22-5]</p>	<p><b>D4572</b> 5g 25g</p>  <p>2,5-Dibromo-3-decylthiophene [158956-23-1]</p>
<p><b>D2245</b> 1g 5g 25g</p>  <p>2,8-Dibromodibenzo-thiophene [31574-87-5]</p>	<p><b>D4274</b> 200mg</p>  <p>3,7-Dibromodibenzo[b,d]thiophene [83834-10-0]</p>	<p><b>D4183</b> 1g 5g</p>  <p>5,5'-Dibromo-3,3'-dihexyl-2,2'-bithiophene [170702-05-3]</p>	<p><b>D4184</b> 200mg 1g</p>  <p>5,5'-Dibromo-4,4'-dihexyl-2,2'-bithiophene [214493-03-5]</p>	<p><b>D3799</b> 200mg 1g</p>  <p>2,6-Dibromodithieno[3,2-b:2',3'-d]thiophene [67061-69-2]</p>
<p><b>D3800</b> 200mg 1g</p>  <p>3,5-Dibromodithieno[3,2-b:2',3'-d]thiophene [502764-54-7]</p>	<p><b>D4031</b> 5g</p>  <p>2,5-Dibromo-3-dodecylthiophene [148256-63-7]</p>	<p><b>D4056</b> 1g 5g</p>  <p>2,5-Dibromo-3,4-ethylenedioxythiophene [174508-31-7]</p>	<p><b>D3896</b> 5g 25g</p>  <p>2,5-Dibromo-3-hexylthiophene [116971-11-0]</p>	<p><b>D4714</b> 200mg</p>  <p>2,6-Dibromo-4-n-octyldithieno[3,2-b:2',3'-d]pyrrole [1346688-54-7]</p>
<p><b>D4053</b> 5g</p>  <p>2,5-Dibromo-3-n-octylthiophene [149703-84-4]</p>	<p><b>D4050</b> 1g 5g</p>  <p>2,5-Bis(5-bromo-2-thienyl)thiophene [98057-08-0]</p>	<p><b>D4032</b> 1g</p>  <p>2,5-Dibromo-thieno[2,3-b]thiophene [25121-86-2]</p>	<p><b>D3678</b> 200mg 1g 5g</p>  <p>2,5-Dibromo-thieno[3,2-b]thiophene [25121-87-3]</p>	<p><b>D4033</b> 1g</p>  <p>3,4-Dibromo-thieno[2,3-b]thiophene [53255-78-0]</p>

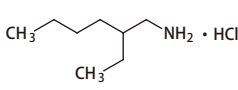
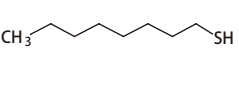
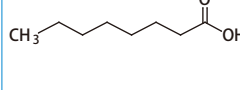
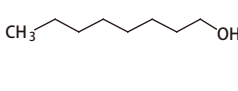
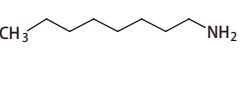
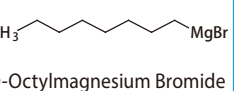
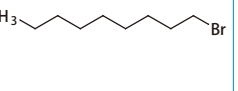
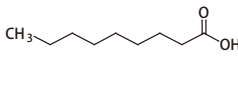
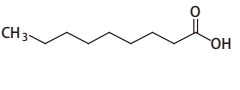
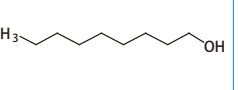
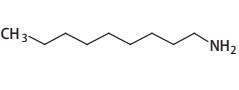
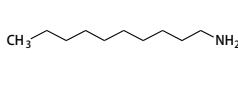
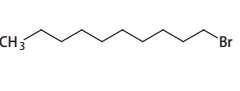
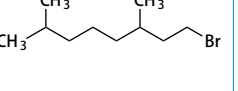
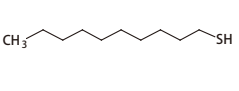
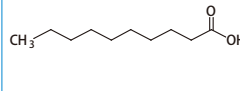
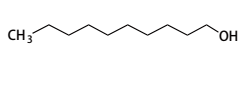
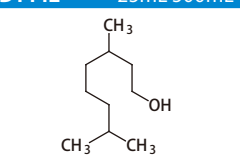
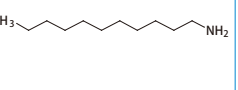
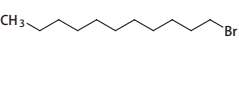
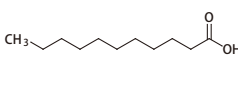
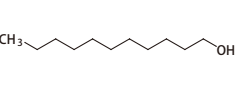
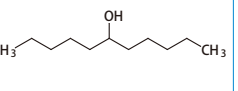
<b>D3679</b> 200mg 1g  3,6-Dibromothiophene [392662-65-6]	<b>D4582</b> 1g 5g  2,5-Dibromo-3-thenoic Acid [7311-70-8]	<b>D4592</b> 200mg  2,6-Dibromo-4,8-bis[[2-butyl- <i>n</i> -octyloxy]benzo[1,2- <i>b</i> :4,5- <i>b'</i> ]-dithiophene [1336893-15-2]	<b>D4746</b> 1g 5g  2,5-Dichloro-3,4-ethylenedioxythiophene [225518-49-0]	<b>D4870</b> 200mg 1g  2,8-Diiododibenzo-thiophene [105404-91-9]	
<b>D4564</b> 200mg  4,4-Di- <i>n</i> -octyldithieno-[3,2- <i>b</i> :2,3- <i>d'</i> ]silole [1160106-12-6]	<b>E0741</b> 5g 25g  EDOT [126213-50-1]	<b>E0743</b> 1g 5g  3,4-Ethylenedioxythiophene-2,5-dicarboxylic Acid [18361-03-0]	<b>供体原料</b> <b>咪唑</b> <b>Donor Raw</b> <b>Materials,</b> <b>Carbazoles</b>		<b>A2051</b> 1g 5g  9-Acetyl-3,6-diiodo-carbazole [606129-89-9]
<b>B2805</b> 100mg  9-Benzylcarbazole-3,6-dicarboxaldehyde [200698-05-1]	<b>B4348</b> 1g  9-Benzyl-3,6-dibromo-carbazole [118599-27-2]	<b>D4563</b> 200mg 1g  3,6-Dibromo-9-(4-bromophenyl)-carbazole [73087-83-9]	<b>D3932</b> 1g 5g  2,7-Dibromocarbazole [136630-39-2]	<b>D2983</b> 1g 5g 25g  3,6-Dibromocarbazole [6825-20-3]	
<b>D2982</b> 1g 5g  3,6-Dibromo-9-ethyl-carbazole [33255-13-9]	<b>D4735</b> 200mg  2,7-Dibromo-9-(2-ethylhexyl)-carbazole [544436-46-6]	<b>D4490</b> 200mg 1g  2,7-Dibromo-9-(9-heptadecyl)-carbazole [955964-73-5]	<b>D3935</b> 200mg  2,7-Dibromo-9- <i>n</i> -octyl-carbazole [726169-75-1]	<b>D4482</b> 200mg 1g  3,6-Dibromo-9- <i>n</i> -octyl-carbazole [79554-93-1]	
<b>D4832</b> 200mg 1g  2,7-Dibromo-9-phenyl-carbazole [444796-09-2]	<b>D5001</b> 200mg 1g  3,6-Dibromo-9-( <i>p</i> -tolyl)-9H-carbazole [357437-74-2]	<b>D2981</b> 1g 5g  3,6-Dibromo-9-phenyl-carbazole [57103-20-5]	<b>D4548</b> 5g 25g  3,6-Diiodocarbazole [57103-02-3]	<b>D4543</b> 1g 5g  3,6-Diiodo-9-phenyl-carbazole [57103-21-6]	
<b>O0428</b> 200mg 1g  9-(9-Heptadecanyl)-2,7-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-carbazole [958261-51-3]	<b>O0439</b> 200mg  9- <i>n</i> -Octyl-2,7-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-carbazole [406726-92-9]	<b>P2350</b> 200mg 1g  9-Phenyl-3,6-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-carbazole [618442-57-2]	<b>供体原料</b> <b>芴</b> <b>Donor Raw</b> <b>Materials,</b> <b>Fluorenes</b>		<b>B4892</b> 200mg 1g  9,9-Bis(2-ethylhexyl)-2,7-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-fluorene [357219-41-1]
<b>B4588</b> 1g  2,7-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-9,9-didecylfluorene [711026-06-1]	<b>B4624</b> 1g  2,7-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-9,9-didodecylfluorene [749900-93-4]	<b>B4029</b> 1g  2,7-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-9,9-dihexylfluorene [254755-24-3]	<b>B3582</b> 1g  2,7-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-9,9-di- <i>n</i> -octylfluorene [196207-58-6]	<b>D4719</b> 200mg 1g  2,7-Diamino-9,9-di- <i>n</i> -octyl-fluorene [851042-10-9]	
<b>B3552</b> 1g 5g  2,7-Dibromo-9,9-bis(6-bromohexyl)fluorene [570414-33-4]	<b>D4550</b> 200mg 1g  2,7-Dibromo-9,9-bis[3-(dimethylamino)propyl]-fluorene [673474-73-2]	<b>D4561</b> 5g 25g  2,7-Dibromo-9,9-didecyl-fluorene [175922-78-8]	<b>D3933</b> 5g 25g  2,7-Dibromo-9,9-dihexyl-fluorene [189367-54-2]	<b>D3859</b> 5g 25g  2,7-Dibromo-9,9-dimethyl-fluorene [28320-32-3]	

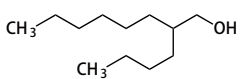
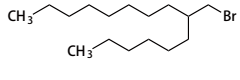
<p><b>D3934</b> 5g 25g</p>  <p>2,7-Dibromo-9,9-di-<i>n</i>-octylfluorene [198964-46-4]</p>	<p><b>D4569</b> 1g 5g</p>  <p>2,7-Dibromo-9,9-dipropylfluorene [157771-56-7]</p>	<p><b>D3556</b> 5g 25g 100g</p>  <p>2,7-Dibromofluorene [16433-88-8]</p>	<p><b>D3557</b> 5g 25g</p>  <p>2,7-Dibromo-9-fluorenone [14348-75-5]</p>	<p><b>D3781</b> 1g</p>  <p>2,7-Dibromo-9,9'-spiro[9<i>H</i>-fluorene] [171408-84-7]</p>	
<p><b>D4504</b> 1g 5g</p>  <p>2,7-Diiodofluorene [16218-28-3]</p>	<p><b>D4671</b> 1g</p>  <p>9,9-Di-<i>n</i>-octylfluorene-2,7-dicarboxaldehyde [380600-91-9]</p>	<p><b>受体原料 噻吩 Acceptor Raw Materials, Thiophenes</b></p>		<p><b>D4219</b> 200mg</p>  <p>2,5-Dibromo-<i>N</i>-<i>n</i>-octyl-3,4-thiophenedicarboximide [566939-58-0]</p>	<p><b>E1040</b> 100mg</p>  <p>2-Ethylhexyl 4,6-Dibromo-3-fluorothieno[3,4-<i>b</i>]thiophene-2-carboxylate [1237479-38-7]</p>
<p><b>O0436</b> 100mg</p>  <p><i>n</i>-Octyl 4,6-Dibromo-3-fluorothieno[3,4-<i>b</i>]thiophene-2-carboxylate [1160823-76-6]</p>	<p><b>受体原料 苯并噻二唑 Acceptor Raw Materials, Benzothiadiazoles</b></p>		<p><b>B3573</b> 1g</p>  <p>4,7-Bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-2,1,3-benzothiadiazole [934365-16-9]</p>	<p><b>D3842</b> 1g 5g 25g</p>  <p>4,7-Dibromo-2,1,3-benzothiadiazole [15155-41-6]</p>	<p><b>D4622</b> 200mg</p>  <p>4,7-Dibromo-5,6-bis(dodecyloxy)-2,1,3-benzothiadiazole [1313876-00-4]</p>
<p><b>D4734</b> 200mg</p>  <p>4,7-Dibromo-5,6-difluoro-2,1,3-benzothiadiazole [1295502-53-2]</p>	<p><b>D4529</b> 200mg</p>  <p>4,7-Dibromo-5,6-di-<i>n</i>-octyloxy-2,1,3-benzothiadiazole [1192352-08-1]</p>	<p><b>D4750</b> 200mg 1g</p>  <p>4,7-Dibromo-5-fluoro-2,1,3-benzothiadiazole [1347736-74-6]</p>	<p><b>受体原料 其他 Acceptor Raw Materials, Others</b></p>		<p><b>D3944</b> 1g</p>  <p>4,7-Dibromo-2,1,3-benzoselenadiazole [63224-42-0]</p>
<p><b>D4254</b> 1g 5g</p>  <p>10,10'-Dibromo-9,9'-bianthracene [121848-75-7]</p>	<p><b>D4653</b> 200mg</p>  <p>5,8-Dibromo-2,3-bis(4-methoxyphenyl)quinoxaline [162967-90-0]</p>	<p><b>D4514</b> 200mg</p>  <p>4,7-Dibromo-2-(6-bromohexyl)benzotriazole [890704-02-6]</p>	<p><b>D4558</b> 200mg</p>  <p>5,5'-Dibromo-4,4'-dinonyl-2,2'-bithiazole [172100-44-6]</p>	<p><b>D4461</b> 200mg</p>  <p>5,8-Dibromo-2,3-diphenylquinoxaline [94544-77-1]</p>	
<p><b>D4339</b> 1g 5g</p>  <p>2,6-Dibromonaphthalene-1,4,5,8-tetracarboxylic Dianhydride [83204-68-6]</p>	<p><b>D4376</b> 1g</p>  <p>2,5-Dibromothiophene 1,1-Dioxide [89088-95-9]</p>	<p><b>D3871</b> 1g 5g</p>  <p>1,7-Dibromo-3,4,9,10-perylenetetracarboxylic Dianhydride [118129-60-5]</p>	<p><b>D3209</b> 200mg 1g</p>  <p>3,8-Dibromo-1,10-phenanthroline [100125-12-0]</p>	<p><b>D4724</b> 200mg 1g</p>  <p>3,6-Dibromophthalic Anhydride [25834-16-6]</p>	
<p><b>D4442</b> 200mg 1g</p>  <p>4,7-Dibromo[1,2,5]-thiadiazolo[3,4-<i>c</i>]pyridine [333432-27-2]</p>	<p><b>DA型单体 DA-Type Monomers</b></p>		<p><b>B4719</b> 200mg</p>  <p>4,7-Bis(5-bromo-4-dodecyl-2-thienyl)-2,1,3-benzothiadiazole [1179993-72-6]</p>	<p><b>B4684</b> 200mg</p>  <p>4,7-Bis(5-bromo-4-<i>n</i>-octyl-2-thienyl)-2,1,3-benzothiadiazole [457931-23-6]</p>	<p><b>B3886</b> 100mg 1g</p>  <p>4,7-Bis(5-bromo-2-thienyl)-2,1,3-benzothiadiazole [288071-87-4]</p>
<p><b>B4419</b> 200mg</p>  <p>3,6-Bis(5-bromo-2-thienyl)-2,5-di-<i>n</i>-octylpyrrolo[3,4-<i>c</i>]pyrrole-1,4-dione [1057401-13-4]</p>	<p><b>B4683</b> 200mg</p>  <p>4,7-Bis(5-<i>n</i>-octyl-2-thienyl)-2,1,3-benzothiadiazole [1171974-28-9]</p>	<p><b>B4453</b> 200mg</p>  <p>4,7-Bis(5-trimethylstannyl-2-thienyl)-2,1,3-benzothiadiazole [1025451-57-3]</p>	<p><b>D4487</b> 200mg 1g</p>  <p>4,7-Di(2-thienyl)-2,1,3-benzothiadiazole [165190-76-1]</p>	<p><b>D3969</b> 1g 5g</p>  <p>3,6-Di(2-thienyl)-2,5-dihydropyrrolo[3,4-<i>c</i>]pyrrole-1,4-dione [850583-75-4]</p>	



<p><b>氧化聚合原料</b> Raw Materials for Oxidative Polymerization</p>	<p><b>B1458</b> 1g 5g</p>  <p>3-Butylthiophene [34722-01-5]</p>	<p><b>D2098</b> 1g 5g</p>  <p>3-Decylthiophene [65016-55-9]</p>	<p><b>D4180</b> 1g 5g</p>  <p>3,3'-Diethyl-2,2'-bithiophene [125607-30-9]</p>	<p><b>D3928</b> 1g 5g</p>  <p>3,4'-Diethyl-2,2'-bithiophene [135926-93-1]</p>	
	<p><b>D4182</b> 200mg 1g</p>  <p>4,4'-Diethyl-2,2'-bithiophene [135926-94-2]</p>	<p><b>D4202</b> 1g 5g</p>  <p>3,4-Dihexylthiophene [122107-04-4]</p>	<p><b>D2016</b> 1g 5g 25g</p>  <p>3-Dodecylthiophene [104934-52-3]</p>	<p><b>E0741</b> 5g 25g</p>  <p>EDOT [126213-50-1]</p>	<p><b>E0973</b> 200mg 1g</p>  <p>3-(2-Ethylhexyl)thiophene [121134-38-1]</p>
	<p><b>H0722</b> 1g 5g</p>  <p>3-Heptylthiophene [65016-61-7]</p>	<p><b>H1350</b> 5g 25g</p>  <p>2-Hexylthiophene [18794-77-9]</p>	<p><b>H0756</b> 1g 5g 25g</p>  <p>3-Hexylthiophene [1693-86-3]</p>	<p><b>N0533</b> 1g 5g</p>  <p>3-Nonylthiophene [65016-63-9]</p>	<p><b>O0245</b> 1g 5g</p>  <p>3-Octadecylthiophene [104934-54-5]</p>
	<p><b>O0383</b> 1g 5g</p>  <p>5-n-Octyl-2,2'-bithiophene [93164-73-9]</p>	<p><b>O0376</b> 5g</p>  <p>2-n-Octylthiophene [880-36-4]</p>	<p><b>O0213</b> 1g 5g 25g</p>  <p>3-n-Octylthiophene [65016-62-8]</p>	<p><b>P1835</b> 5g</p>  <p>2-Pentylthiophene [4861-58-9]</p>	<p><b>P1127</b> 1g 5g</p>  <p>3-Pentylthiophene [102871-31-8]</p>
	<p><b>T3104</b> 5g 25g</p>  <p>3-Tetradecylthiophene [110851-66-6]</p>	<p><b>U0056</b> 1g 5g</p>  <p>3-Undecylthiophene [129607-86-9]</p>			
<p><b>改善溶解度的衍生试剂</b> Derivatizing Reagents for Solubility Improvement</p>		<p><b>C4烷基</b> C4 Alkyl Groups</p>		<p><b>B0560</b> 25g 500g</p>  <p>1-Bromobutane [109-65-9]</p>	<p><b>B0685</b> 25mL 500mL</p>  <p>1-Butanethiol [109-79-5]</p>
<p><b>B0704</b> 25mL 500mL</p>  <p>1-Butanol [71-36-3]</p>	<p><b>B0707</b> 25mL 500mL</p>  <p>Butylamine [109-73-9]</p>	<p><b>C0142</b> 25mL 500mL</p>  <p>1-Chlorobutane [109-69-3]</p>	<p><b>H0548</b> 5g 25g</p>  <p>1H,1H-Heptafluoro-1-butanol [375-01-9]</p>	<p><b>H1300</b> 1g 5g</p>  <p>1H,1H-Heptafluorobutylamine [374-99-2]</p>	
<p><b>I0055</b> 25g 500g</p>  <p>1-Iodobutane (stabilized with Copper chip) [542-69-8]</p>	<p><b>C5烷基</b> C5 Alkyl Groups</p>		<p><b>A0445</b> 25mL 100mL 500mL</p>  <p>Amylamine [110-58-7]</p>	<p><b>B0628</b> 25mL 500mL</p>  <p>1-Bromopentane [110-53-2]</p>	<p><b>N0810</b> 1g</p>  <p>(Perfluorobutyl)methanol [355-28-2]</p>

$\text{CF}_2(\text{CF}_2)_3\text{CH}_2\text{OH}$ 2,2,3,3,4,4,5,5-Octafluoro-1-pentanol [355-80-6]	 1-Pentanethiol [110-66-7]	 1-Pentanol [71-41-0]	 Pentylmagnesium Bromide (18% in Tetrahydrofuran, ca. 1mol/L) [693-25-4]	$\text{CF}_3(\text{CF}_2)_4\text{I}$ Undecafluoropentyl iodide (stabilized with Copper chip) [638-79-9]
 Valeric Acid [109-52-4]	<b>C6烷基</b> <b>C6 Alkyl Groups</b>	 1-Bromohexane [111-25-1]	 Hexanoic Acid [142-62-1]	 1-Hexanol [111-27-3]
 Hexylamine [111-26-2]	 Hexyllithium (30% in Hexane, ca. 2.3mol/L) [21369-64-2]	 Hexylmagnesium Bromide (20% in Tetrahydrofuran, ca. 1mol/L) [3761-92-0]	 Hexyl Mercaptan [111-31-9]	$\text{CF}_3(\text{CF}_2)_3\text{CH}_2\text{CH}_2\text{OH}$ 2-(Perfluorobutyl)ethanol [2043-47-2]
$\text{CF}_3(\text{CF}_2)_3\text{CH}_2\text{CH}_2\text{I}$ 2-(Nonafluorobutyl)ethyl iodide [2043-55-2]	$\text{CF}_3(\text{CF}_2)_5\text{Br}$ Tridecafluorohexyl Bromide [335-56-8]	$\text{CF}_3(\text{CF}_2)_5\text{I}$ Tridecafluorohexyl Iodide [355-43-1]	$\text{CF}_3(\text{CF}_2)_4\text{CH}_2\text{NH}_2$ 1 <i>H</i> ,1 <i>H</i> -Perfluorohexylamine [355-34-0]	<b>C7烷基</b> <b>C7 Alkyl Groups</b>
 1-Bromoheptane [629-04-9]	 1-Heptanethiol [1639-09-4]	 Heptanoic Acid [111-14-8]	 1-Heptanol [111-70-6]	 Heptylamine [111-68-2]
 Heptylmagnesium Bromide (21% in Tetrahydrofuran, ca. 1mol/L) [13125-66-1]	$\text{CF}_3(\text{CF}_2)_3(\text{CH}_2)_3\text{OH}$ 3-(Perfluorobutyl)propanol [83310-97-8]	$\text{CF}_3(\text{CF}_2)_6\text{Br}$ Perfluoroheptyl Bromide [375-88-2]	$\text{CF}_3(\text{CF}_2)_6\text{I}$ Pentadecafluoroheptyl Iodide (stabilized with Na2S2O3) [335-58-0]	$\text{CF}_3(\text{CF}_2)_5\text{CH}_2\text{OH}$ 1 <i>H</i> ,1 <i>H</i> -Perfluoro-1-heptanol [375-82-6]
$\text{CF}_3(\text{CF}_2)_5\text{CH}_2\text{I}$ 1 <i>H</i> ,1 <i>H</i> -Perfluoroheptyl Iodide [212563-43-4]	<b>C8烷基</b> <b>C8 Alkyl Groups</b>	 Octyl Bromide [18908-66-2]	 1-Bromooctane [111-83-1]	 1,5-Dimethylhexylamine [543-82-8]
 2-Ethyl-1-hexanethiol [7341-17-5]	 Octanoic Acid [149-57-5]	 Octanol [104-76-7]	 Octylamine [104-75-6]	 Octylamine Hydrobromide

<b>E0128</b> 25g  Octylamine Hydrochloride [26392-49-4]	<b>H0946</b> 5g 25g $\text{CF}_3(\text{CF}_2)_7\text{Br}$ Perfluoro- <i>n</i> -octyl Bromide [423-55-2]	<b>P1084</b> 25g $\text{CF}_3(\text{CF}_2)_7\text{I}$ Perfluoro- <i>n</i> -octyl Iodide [507-63-1]	<b>O0025</b> 25mL 500mL  1-Octanethiol [111-88-6]	<b>O0027</b> 25mL 500mL  <i>n</i> -Octanoic Acid [124-07-2]
<b>O0036</b> 25mL 500mL  1-Octanol [111-87-5]	<b>O0045</b> 25mL 500mL  <i>n</i> -Octylamine [111-86-4]	<b>O0240</b> 250g  <i>n</i> -Octylmagnesium Bromide (ca. 22% in Tetrahydrofuran, ca. 1mol/L) [17049-49-9]	<b>P0904</b> 5g 25g $\text{CF}_3(\text{CF}_2)_6\text{CH}_2\text{OH}$ 1 <i>H</i> ,1 <i>H</i> -Perfluoro-1-octanol [307-30-2]	<b>T2528</b> 5g 25g $\text{CF}_3(\text{CF}_2)_5\text{CH}_2\text{CH}_2\text{OH}$ 2-(Perfluorohexyl)ethanol [647-42-7]
<b>T2074</b> 5g 25g $\text{CF}_3(\text{CF}_2)_5\text{CH}_2\text{CH}_2\text{I}$ 1 <i>H</i> ,1 <i>H</i> ,2 <i>H</i> ,2 <i>H</i> -Perfluoro- <i>n</i> -octyl Iodide [2043-57-4]	<b>C9烷基</b> <b>C9 Alkyl Groups</b>		<b>B0933</b> 25mL 500mL  1-Bromononane [693-58-3]	<b>H1232</b> 5g $\text{CF}_3(\text{CF}_2)_7\text{CH}_2\text{OH}$ 1 <i>H</i> ,1 <i>H</i> -Perfluoro-1-nonanol [423-56-3]
<b>N0808</b> 5g $\text{CF}_3(\text{CF}_2)_8\text{Br}$ 1-Bromoperfluorononane [558-96-3]	<b>N0288</b> 25mL 500mL  Nonanoic Acid [112-05-0]	<b>P0952</b> 25mL 500mL  Nonanoic Acid [112-05-0]	<b>N0292</b> 25mL 500mL  1-Nonanol [143-08-8]	<b>N0297</b> 5mL 25mL  Nonylamine [112-20-9]
<b>C10烷基</b> <b>C10 Alkyl Groups</b>				
<b>D0033</b> 25mL 100mL 500mL  1-Aminodecane [2016-57-1]	<b>B0583</b> 25mL 500mL  1-Bromodecane [112-29-8]	<b>B4401</b> 5g 25g  1-Bromo-3,7-dimethyloctane [3383-83-3]	<b>D0016</b> 25mL 100mL 500mL  1-Decanethiol [143-10-2]	<b>D0017</b> 25g 400g  Decanoic Acid [334-48-5]
<b>D0031</b> 25mL 500mL  1-Decanol [112-30-1]	<b>D1442</b> 25mL 500mL  3,7-Dimethyl-1-octanol [106-21-8]	<b>H0844</b> 5g $\text{CF}_3(\text{CF}_2)_9\text{I}$ Perfluorodecyl Iodide [423-62-1]	<b>H0845</b> 25g $\text{CF}_3(\text{CF}_2)_7\text{CH}_2\text{CH}_2\text{OH}$ 2-(Perfluoro- <i>n</i> -octyl)ethanol [678-39-7]	<b>H1084</b> 5g 25g $\text{CF}_3(\text{CF}_2)_7\text{CH}_2\text{CH}_2\text{I}$ 1 <i>H</i> ,1 <i>H</i> ,2 <i>H</i> ,2 <i>H</i> -Perfluorodecyl Iodide [2043-53-0]
<b>N0814</b> 5g $\text{CF}_3(\text{CF}_2)_8\text{CH}_2\text{OH}$ 1 <i>H</i> ,1 <i>H</i> -Perfluoro-1-decanol [307-37-9]	<b>C11烷基</b> <b>C11 Alkyl Groups</b>		<b>A0761</b> 10mL  Undecylamine [7307-55-3]	<b>B0934</b> 25mL 500mL  1-Bromoundecane [693-67-4]
<b>U0004</b> 25g 250g  Undecanoic Acid [112-37-8]	<b>U0005</b> 25mL 100mL 500mL  1-Undecanol [112-42-5]	<b>U0040</b> 5g  6-Undecanol [23708-56-7]	<b>C12烷基</b> <b>C12 Alkyl Groups</b>	
			<b>B0587</b> 25mL 500mL $\text{CH}_3(\text{CH}_2)_{11}\text{Br}$ 1-Bromododecane [143-15-7]	

<b>B3457</b> 25mL 500mL  2-Butyl-1-n-octanol [3913-02-8]	<b>D0970</b> 25mL 500mL $\text{CH}_3(\text{CH}_2)_{11}\text{SH}$ 1-Dodecanethiol [112-55-0]	<b>D0980</b> 25g 400g $\text{CH}_3(\text{CH}_2)_{11}\text{NH}_2$ Dodecylamine [124-22-1]	<b>D1452</b> 25g 100g 500g $\text{CH}_3(\text{CH}_2)_{11}\text{NH}_2 \cdot \text{HCl}$ Dodecylamine Hydrochloride [929-73-7]	<b>L0011</b> 25g 500g $\text{CH}_3(\text{CH}_2)_{10}-\overset{\text{O}}{\parallel}{\text{C}}-\text{OH}$ Lauric Acid [143-07-7]
<b>C13烷基</b> <b>C13 Alkyl Groups</b>	<b>A0762</b> 10g 25g $\text{CH}_3(\text{CH}_2)_{12}\text{NH}_2$ 1-Aminotridecane [2869-34-3]	<b>B0935</b> 5mL 25mL $\text{CH}_3(\text{CH}_2)_{12}\text{Br}$ 1-Bromotridecane [765-09-3]	<b>T0412</b> 25g 500g $\text{CH}_3(\text{CH}_2)_{11}-\overset{\text{O}}{\parallel}{\text{C}}-\text{OH}$ Tridecanoic Acid [638-53-9]	<b>T0803</b> 25g $\text{CH}_3(\text{CH}_2)_{12}\text{OH}$ 1-Tridecanol [112-70-9]
	<b>B0233</b> 25mL 500mL $\text{CH}_3(\text{CH}_2)_{13}\text{Br}$ 1-Bromotetradecane [112-71-0]	<b>M0476</b> 25g 500g $\text{CH}_3(\text{CH}_2)_{12}-\overset{\text{O}}{\parallel}{\text{C}}-\text{OH}$ Myristic Acid [544-63-8]	<b>T0082</b> 25mL $\text{CH}_3(\text{CH}_2)_{13}\text{SH}$ 1-Tetradecanethiol [2079-95-0]	<b>T0084</b> 25mL 500mL $\text{CH}_3(\text{CH}_2)_{13}\text{OH}$ 1-Tetradecanol [112-72-1]
<b>C14烷基</b> <b>C14 Alkyl Groups</b>	<b>T0090</b> 25g 400g $\text{CH}_3(\text{CH}_2)_{13}\text{NH}_2$ Tetradecylamine [2016-42-4]	<b>C15烷基</b> <b>C15 Alkyl Groups</b>	<b>A0763</b> 5g 10g $\text{CH}_3(\text{CH}_2)_{14}\text{NH}_2$ 1-Aminopentadecane [2570-26-5]	<b>B0936</b> 25mL 250mL $\text{CH}_3(\text{CH}_2)_{14}\text{Br}$ 1-Bromopentadecane [629-72-1]
	<b>P0035</b> 25g 100g 500g $\text{CH}_3(\text{CH}_2)_{13}-\overset{\text{O}}{\parallel}{\text{C}}-\text{OH}$ Pentadecanoic Acid [1002-84-2]		<b>P0036</b> 25g 100g 500g $\text{CH}_3(\text{CH}_2)_{14}\text{OH}$ 1-Pentadecanol [629-76-5]	<b>P1251</b> 250g $\text{CH}_3(\text{CH}_2)_{14}\text{MgBr}$ Pentadecylmagnesium Bromide (ca. 15% in Tetrahydrofuran, ca. 0.4mol/L) [78887-70-4]
<b>C16烷基</b> <b>C16 Alkyl Groups</b>	<b>B4544</b> 5mL 25mL  7-(Bromomethyl)pentadecane [52997-43-0]	<b>H0068</b> 25mL 500mL $\text{CH}_3(\text{CH}_2)_{15}\text{SH}$ 1-Cetanethiol [2917-26-2]	<b>H0071</b> 25g 500g $\text{CH}_3(\text{CH}_2)_{15}\text{OH}$ Cetanol [36653-82-4]	<b>H0074</b> 25g 500g $\text{CH}_3(\text{CH}_2)_{15}\text{NH}_2$ Cetylamine [143-27-1]
	<b>P0002</b> 25g 500g $\text{CH}_3(\text{CH}_2)_{14}-\overset{\text{O}}{\parallel}{\text{C}}-\text{OH}$ Palmitic Acid [57-10-3]	<b>P1145</b> 5g $\text{CH}_3(\text{CH}_2)_{14}-\overset{\text{O}}{\parallel}{\text{C}}-\text{OH}$ Palmitic Acid [57-10-3]	<b>C17烷基</b> <b>C17 Alkyl Groups</b>	<b>A0764</b> 10g $\text{CH}_3(\text{CH}_2)_{16}\text{NH}_2$ Heptadecylamine [4200-95-7]
<b>B1456</b> 1g $\text{CH}_3(\text{CH}_2)_{13}-\overset{\text{CH}_3}{\text{CH}}-\text{CH}_2\text{Br}$ 1-Bromo-2-methyl-hexadecane [81367-59-1]	<b>H0019</b> 25g 100g 500g $\text{CH}_3(\text{CH}_2)_{15}-\overset{\text{O}}{\parallel}{\text{C}}-\text{OH}$ Margaric Acid [506-12-7]	<b>H0018</b> 5g 25g $\text{CH}_3(\text{CH}_2)_{16}\text{OH}$ 1-Heptadecanol [1454-85-9]		<b>H1401</b> 1g $\text{CH}_3(\text{CH}_2)_7-\overset{\text{OH}}{\text{CH}}-(\text{CH}_2)_7\text{CH}_3$ 9-Heptadecanol [624-08-8]

<b>B0625</b> 25g 500g $\text{CH}_3(\text{CH}_2)_{17}\text{Br}$ Stearyl Bromide [112-89-0]	<b>O0005</b> 25g 400g $\text{CH}_3(\text{CH}_2)_{17}\text{SH}$ Stearyl Mercaptan [2885-00-9]	<b>O0006</b> 25g 500g $\text{CH}_3(\text{CH}_2)_{17}\text{OH}$ Stearyl Alcohol [112-92-5]	<b>O0099</b> 25g $\text{CH}_3(\text{CH}_2)_{17}\text{NH}_2 \cdot \text{HCl}$ Stearylamine Hydrochloride [1838-08-0]	<b>S0163</b> 25g 500g $\text{CH}_3(\text{CH}_2)_{16}\overset{\text{O}}{\parallel}\text{C}-\text{OH}$ Stearic Acid [57-11-4]
<b>O0014</b> 25g 500g $\text{CH}_3(\text{CH}_2)_{17}\text{NH}_2$ Stearylamine [124-30-1]	<p>二烷基 二氯硅烷类</p> <p>Dialkyl- dichlorosilanes</p>	<b>D2704</b> 5g 25g $\text{CH}_3(\text{CH}_2)_3\overset{\text{Cl}}{\underset{\text{Cl}}{\text{Si}}}-(\text{CH}_2)_3\text{CH}_3$ Dibutyldichlorosilane [3449-28-3]	<b>D2712</b> 5g 25g $\text{CH}_3(\text{CH}_2)_5\overset{\text{Cl}}{\underset{\text{Cl}}{\text{Si}}}-(\text{CH}_2)_5\text{CH}_3$ Dichlorodihexylsilane [18204-93-8]	<b>D4336</b> 1g $\text{CH}_3(\text{CH}_2)_7\overset{\text{Cl}}{\underset{\text{Cl}}{\text{Si}}}-(\text{CH}_2)_7\text{CH}_3$ Dichlorodi- <i>n</i> -octylsilane [18416-07-4]
<b>D2710</b> 5g $\text{CH}_3(\text{CH}_2)_4\overset{\text{Cl}}{\underset{\text{Cl}}{\text{Si}}}-(\text{CH}_2)_4\text{CH}_3$ Dichlorodipentylsilane [18037-39-3]				







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# 用于主-客体化学的大环化合物

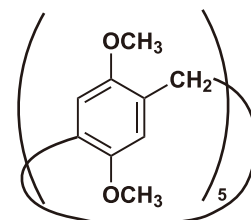
主体化合物识别并结合特定的分子、原子或离子（客体），从而形成复合物。在这些复合物的形成过程中，由于静电作用，疏水作用，氢键等各种作用力而使其具有高选择性。分子传感器，合成酶，分离体系等都利用了主体化合物对客体的高选择性。目前，具有更高选择性的新型主体化合物的合成正在开发中。

## 柱芳烃

**D4471** 是由T.Ogoshi等人开发出的一种环形分子，与杯芳烃不同，其具有对称的柱状结构。

**D4471** 内部空腔(直径约0.5nm)是由苯环封闭的富电子空间，因此可以选择性的捕获电子受体分子和线性正构烷烃。

T. Ogoshi, *J. Incl. Phenom. Macrocyc. Chem.* **2012**, 72, 247.  
T. Ogoshi, T. Yamagishi, *Bull. Chem. Soc. Jpn.* **2013**, 86, 312.



**Dimethoxypillar[5]arene**

100mg / 1g  
[D4471]

## 环对苯撑



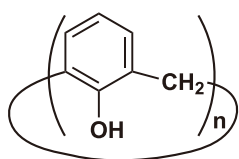
**[5]Cycloparaphenylene**

20mg  
[C2931]



**[12]Cycloparaphenylene**

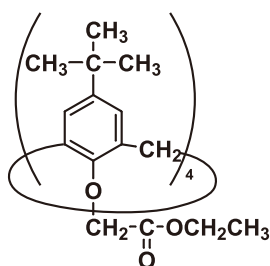
10mg  
[C2449]



**n=4 Calix[4]arene** 100mg / 1g [C1455]

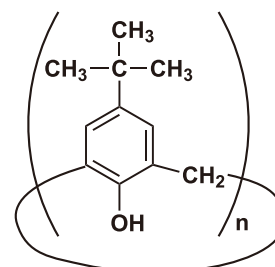
**n=6 Calix[6]arene** 1g / 5g [H0713]

**n=8 Calix[8]arene** 1g / 5g [C1435]



**Tetraethyl  
4-tert-Butylcalix[4]arene-  
O,O',O'',O'''-tetraacetate**

200mg / 1g  
[T2563]

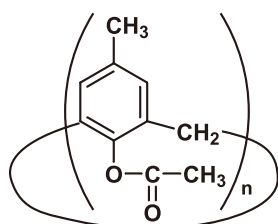


**n=4 4-tert-Butylcalix[4]arene**  
1g / 5g / 25g [B1809]

**n=5 4-tert-Butylcalix[5]arene** 100mg [B2221]

**n=6 4-tert-Butylcalix[6]arene** 5g / 25g [H0714]

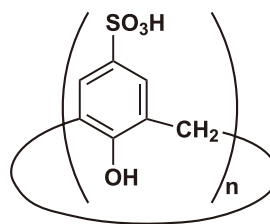
**n=8 4-tert-Butylcalix[8]arene** 5g / 25g [B1750]



n = 6,8

**4-Methyl-1-acetoxycalixarene [mixture of [6] and [8]]**

100mg / 1g  
[H0889]



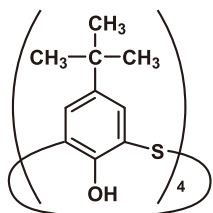
· xH<sub>2</sub>O

**n=4 4-Sulfocalix[4]arene Hydrate** 1g / 5g [S0469]

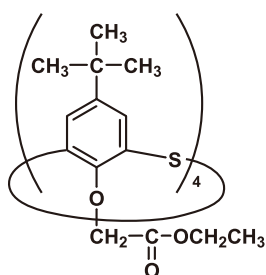
**n=6 4-Sulfocalix[6]arene Hydrate** 1g / 5g [S0470]

**n=8 4-Sulfocalix[8]arene Hydrate** 1g / 5g [S0471]

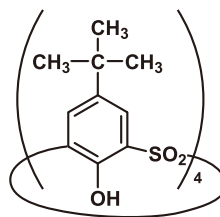
## 硫杂杯芳烃



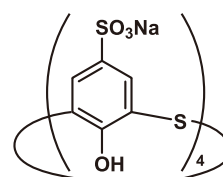
**4-tert-Butylthiacalix[4]arene**  
1g / 5g  
[B2296]



**4-tert-Butyl-1-(ethoxycarbonylmethoxy)thiacalix[4]arene**  
1g / 5g  
[B2310]

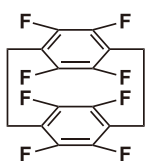


**4-tert-Butylsulfonylcalix[4]arene**  
1g / 5g  
[B2312]

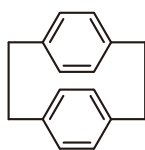


**4-Sulfothiacalix[4]arene Sodium Salt**  
1g / 5g  
[S0477]

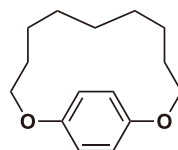
## 环芬



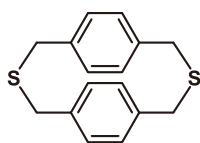
**4,5,7,8,12,13,15,16-Octafluoro [2.2]paracyclophane**  
1g / 5g  
[O0455]



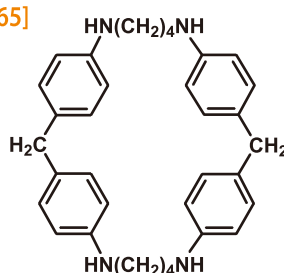
**[2.2]Paracyclophane**  
1g  
[P1165]



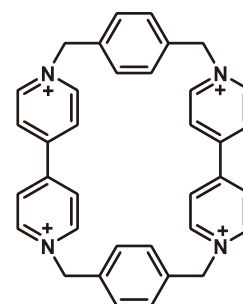
**1,11-Dioxo[11]paracyclophane**  
250mg / 1g  
[D4298]



**2,11-Dithia[3.3]paracyclophane**  
100mg / 500mg  
[D2210]

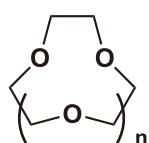


**1,6,20,25-Tetraaza[6.1.6.1]paracyclophane**  
100mg  
[T1378]



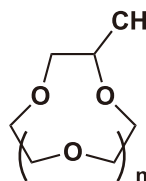
**Cyclobis(paraquat-1,4-phenylene) Tetrakis(hexafluorophosphate)**  
100mg  
[C1749]

## 冠醚

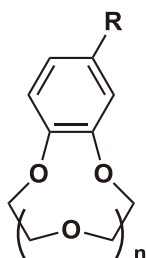


**n=2 12-Crown 4-Ether**  
**n=3 15-Crown 5-Ether**  
**n=4 18-Crown 6-Ether**  
**n=6 24-Crown 8-Ether**

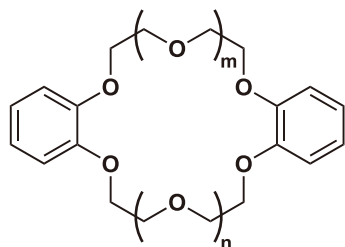
1mL / 5mL [C0858]  
5mL / 25mL [C0859]  
5g / 25g / 100g [C0860]  
1g [C1736]



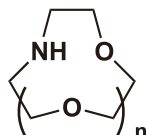
**n=2 2-(Hydroxymethyl)-12-crown 4-Ether**  
1g / 5g [H0982]  
**n=3 2-(Hydroxymethyl)-15-crown 5-Ether**  
1g / 5g / 25g [H0983]  
**n=4 2-(Hydroxymethyl)-18-crown 6-Ether**  
200mg / 1g [H0990]



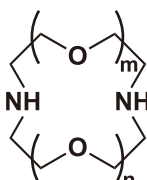
<b>R=H</b>	<b>n=2 Benzo-12-crown 4-Ether</b>	1g / 5g [B1249]
	<b>n=3 Benzo-15-crown 5-Ether</b>	1g / 5g [B1154]
	<b>n=4 Benzo-18-crown 6-Ether</b>	1g / 5g [B1539]
<b>R=Br</b>	<b>n=3 4'-Bromobenzo-15-crown 5-Ether</b>	1g / 5g [B1249]
	<b>n=4 4'-Bromobenzo-18-crown 6-Ether</b>	1g / 5g [B2181]
<b>R=NH<sub>2</sub></b>	<b>n=3 4'-Aminobenzo-15-crown 5-Ether</b>	1g [A1404]
<b>R=NO<sub>2</sub></b>	<b>n=3 4'-Nitrobenzo-15-crown 5-Ether</b>	1g / 5g [N0561]
	<b>n=4 4'-Nitrobenzo-18-crown 6-Ether</b>	1g / 5g [N0562]
<b>R=CHO</b>	<b>n=3 4'-Formylbenzo-15-crown 5-Ether</b>	100mg [F0448]
	<b>n=4 4'-Formylbenzo-18-crown 6-Ether</b>	500mg [F0451]
<b>R=COCH<sub>3</sub></b>	<b>n=3 4'-Acetylbenzo-15-crown 5-Ether</b>	1g [A1603]
	<b>n=4 4'-Acetylbenzo-18-crown 6-Ether</b>	1g [A1604]
<b>R=COOH</b>	<b>n=3 4'-Carboxybenzo-15-crown 5-Ether</b>	1g [C1713]
	<b>n=4 4'-Carboxybenzo-18-crown 6-Ether</b>	100mg / 1g [C1714]
<b>R=COOCH<sub>3</sub></b>	<b>n=4 4'-Bromobenzo-18-crown 6-Ether</b>	1g / 5g [B2181]



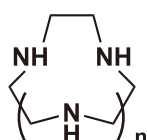
$m=0$	$n=1$	Dibenzo-15-crown 5-Ether	1g [D2877]
$m=1$	$n=1$	Dibenzo-18-crown 6-Ether	5g / 25g [D1533]
$m=1$	$n=2$	Dibenzo-21-crown 7-Ether	1g [D2878]
$m=2$	$n=2$	Dibenzo-24-crown 8-Ether	1g / 5g [D1830]
$m=3$	$n=3$	Dibenzo-30-crown 10-Ether	1g [D2684]



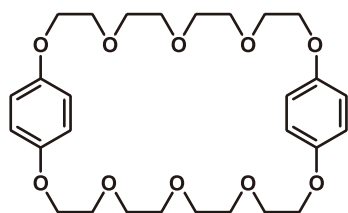
$n=2$	1-Aza-12-crown 4-Ether	250mg / 1g [A1552]
$n=3$	1-Aza-15-crown 5-Ether	1g / 5g [A1323]
$n=4$	1-Aza-18-crown 6-Ether	1g / 5g [A1324]



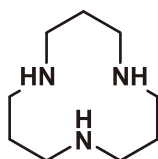
$m=1$	$n=1$	4,10-Diaza-12-crown 4-Ether	100mg [D2743]
$m=1$	$n=2$	4,10-Diaza-15-crown 5-Ether	1g [D2744]
$m=2$	$n=2$	4,13-Diaza-18-crown 6-Ether	1g / 5g [D2323]



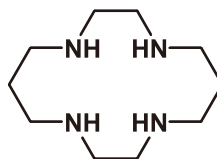
$n=1$	1,4,7-Triazacyclononane	200mg / 1g / 5g [T1878]
	1,4,7-Triazacyclononane Trihydrochloride	1g / 5g [T1600]
$n=2$	1,4,7,10-Tetraazacyclododecane	1g / 5g [T1874]
	1,4,7,10-Tetraazacyclododecane Tetrahydrochloride	1g / 5g [T1426]
$n=3$	1,4,7,10,13,16-Hexaazacyclooctadecane	100mg [H1070]
	1,4,7,10,13,16-Hexaazacyclooctadecane Hexahydrochloride	100mg [H1215]



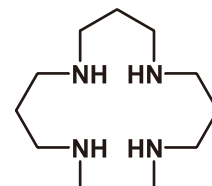
Bis(1,4-phenylene)-34-crown 10-Ether  
100mg  
[B2245]



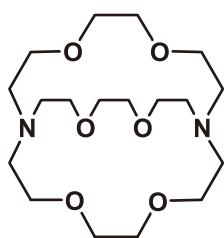
1,5,9-Triazacyclododecane  
100mg  
[T1876]



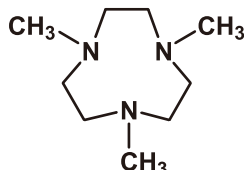
1,4,8,11-Tetraazacyclotetradecane  
1g / 5g  
[T1597]



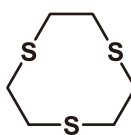
1,4,8,12-Tetraazacyclopentadecane  
1g / 5g  
[T1691]



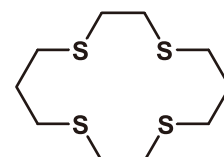
4,7,13,16,21,24-Hexaoxa-1,10-diazabicyclo[8.8.8]hexacosane  
1g / 5g  
[H0932]



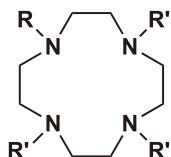
1,4,7-Trimethyl-1,4,7-triazacyclononane  
1g / 5g  
[T1879]



1,4,7-Trithiacyclononane  
500mg  
[T1972]



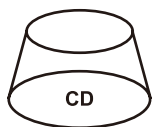
1,4,8,11-Tetrathiacyclotetradecane  
200mg / 1g  
[T1959]



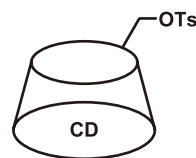
$R, R' = CH_2Ph$	1,4,7,10-Tetrabenzyl-1,4,7,10-tetraazacyclododecane	1g / 5g [T3356]
$R, R' = CH_2COOH$	1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetic Acid	200mg / 1g [T1875]
$R, R' = CH_2COOEt$	1,4,8,11-Tetraazacyclotetradecane-1,4,8,11-tetraacetic Acid Tetraethyl Ester	200mg [T2540]
$R = H, R' = CH_2COOtBu$	1,4,7,10-Tetraazacyclododecane-1,4,7-triacetic Acid Tri-tert-butyl Ester	200mg [T2541]
$R = CH_2COOH, R' = CH_2COOtBu$	1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetic Acid Tri-tert-butyl Ester	100mg / 1g [T2642]

# 用于主-客体化学的大环化合物

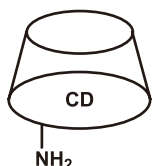
## 环糊精



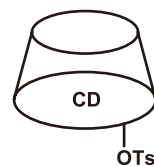
**α-Cyclodextrin** 10g / 25g / 100g [C0776]  
**β-Cyclodextrin** 25g / 100g [C0777]  
**γ-Cyclodextrin** 5g / 25g / 100g [C0869]



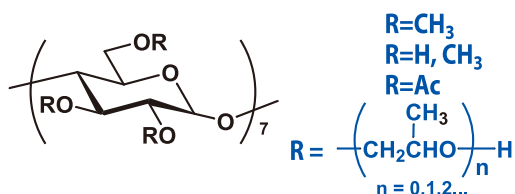
**Mono-6-O-(p-toluenesulfonyl)-**  
**α-cyclodextrin** 200mg / 1g [M1644]  
**β-cyclodextrin** 200mg [M1381]  
**γ-cyclodextrin** 200mg [M1645]



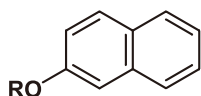
**3A-Amino-3A-deoxy-(2AS,3AS)-**  
**α-cyclodextrin Hydrate** 200mg / 1g [A2122]  
**β-cyclodextrin Hydrate** 200mg / 1g [A1916]  
**γ-cyclodextrin Hydrate** 200mg / 1g [A2123]



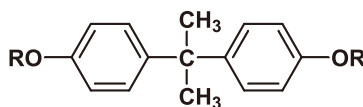
**Mono-2-O-(p-toluenesulfonyl)-**  
**α-cyclodextrin** 200mg / 1g [M1956]  
**β-cyclodextrin Hydrate** 200mg / 1g [M1741]  
**γ-cyclodextrin** 200mg / 1g [M1957]



**Trimethyl-β-cyclodextrin** 1g [T1094]  
**Methyl-β-cyclodextrin** 25g / 250g [M1356]  
**Triacetyl-β-cyclodextrin** 25g [T1844]  
**Hydroxypropyl-β-cyclodextrin** 25g / 100g [H0979]

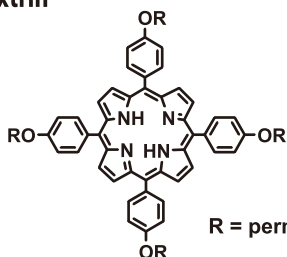


R = permethyl-α-CD

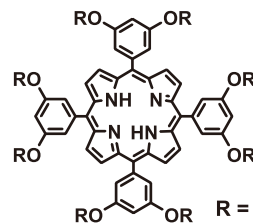


R = permethyl-α-CD

**Mono-6-O-(2-naphthyl)-**  
**per-O-methyl-α-cyclodextrin**  
 10mg [M1876]



**2,2-Bis[4-(per-O-methyl-α-cyclodextrin-6-yloxy)phenyl]propane**  
 10mg [B3026]



**5,10,15,20-Tetrakis[4-(per-O-methyl-α-cyclodextrin-6-yloxy)-phenyl]-21H,23H-porphine**  
 10mg [T2451]

**5,10,15,20-Tetrakis[3,5-bis(per-O-methyl-α-cyclodextrin-6-yloxy)-phenyl]-21H,23H-porphine**  
 10mg [T2452]

更多信息, 请查看我们的主页: [www.TCIchemicals.com](http://www.TCIchemicals.com)

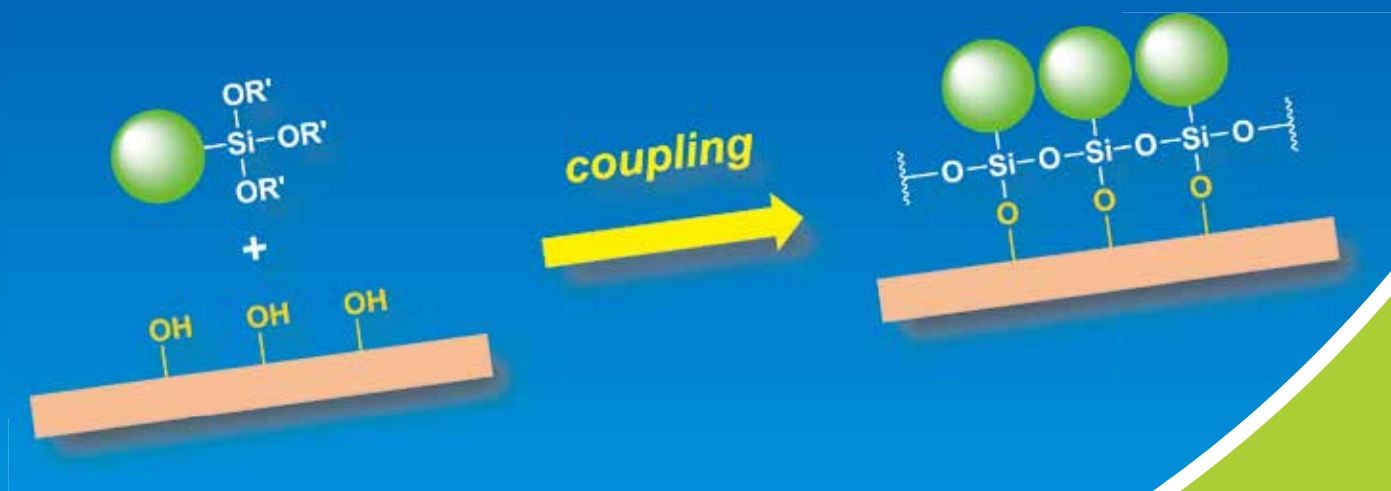
大环化合物

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[www.TCIchemicals.com/zh/cn/](http://www.TCIchemicals.com/zh/cn/)

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# 硅烷偶联剂

## Silane Coupling Agents



链烯基硅烷

丙烯酰基烷氧基硅烷

环氧丙基烷氧基硅烷

氨烷基硅烷

烷基硅烷

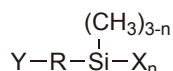
芳基硅烷, 芳基烷基硅烷

氟代烷基硅烷, 氟代芳基硅烷

其它硅烷

# 硅烷偶联剂

硅烷偶联剂是一类同时含有两种不同化学性质官能团的有机硅化合物。一种官能团可以与有机材料反应，另外一种可以与无机材料反应。其结构通式如下：



其中，Y代表可以与有机材料结合的官能团，比如乙烯基、环氧基、氨基等。X代表可以在水中或潮湿环境中水解的官能团，这些官能团水解成硅醇从而与无机材料结合。典型的X基团包括氯、烷基，以及乙酰氧基等。

硅烷偶联剂能够提高有机和无机材料界面的粘接性，被广泛用于增强玻璃纤维强化塑料的强度及性能。近来，硅烷偶联剂被应用在无机-有机杂化材

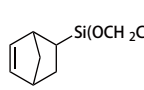
料的生产上，比如印刷电路板用的层压板、人造大理石、塑料磁体和二氧化硅固定化生物活性物质。

除了用于提高界面粘接性，硅烷偶联剂的各种用途也正在开发中。比如，利用水解基团的反应性合成可交联聚合物，通过表面处理获取抗静电和抗菌性能等。硅烷偶联剂将在广泛的领域中得到应用。

## References

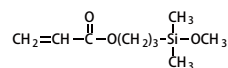
- 1) E. P. Plueddemann, *Silane Coupling Agents*, 2nd ed., Springer US, New York, 1991.
- 2) K. L. Mittal, *Silanes and Other Coupling Agents*, Volume 5, CRC Press, New York, 2009.

## 链烯基硅烷 Host Materials

<p><b>V0042</b> 25mL 100mL 500mL</p> $\begin{array}{c} \text{OCH}_3 \\   \\ \text{CH}_3\text{O}-\text{Si}-\text{CH}=\text{CH}_2 \\   \\ \text{OCH}_3 \end{array}$ <p>Vinyltrimethoxysilane [2768-02-7]</p>	<p><b>V0046</b> 25mL</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3\text{CH}_2\text{O}-\text{Si}-\text{CH}=\text{CH}_2 \\   \\ \text{CH}_3 \end{array}$ <p>Dimethylethoxyvinylsilane [5356-83-2]</p>	<p><b>C1208</b> 25mL 100mL</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{Cl}-\text{Si}-\text{CH}=\text{CH}_2 \\   \\ \text{CH}_3 \end{array}$ <p>Chlorodimethylvinylsilane [1719-58-0]</p>	<p><b>T0407</b> 25g 100g 500g</p> $\begin{array}{c} \text{Cl} \\   \\ \text{Cl}-\text{Si}-\text{CH}=\text{CH}_2 \\   \\ \text{Cl} \end{array}$ <p>Trichlorovinylsilane [75-94-5]</p>	<p><b>D3386</b> 25g 250g</p> $\begin{array}{c} \text{OCH}_3 \\   \\ \text{CH}_3-\text{Si}-\text{CH}=\text{CH}_2 \\   \\ \text{OCH}_3 \end{array}$ <p>Dimethoxymethylvinylsilane [16753-62-1]</p>
<p><b>V0042</b> 25mL 100mL 500mL</p> $\begin{array}{c} \text{OCH}_3 \\   \\ \text{CH}_3\text{O}-\text{Si}-\text{CH}=\text{CH}_2 \\   \\ \text{OCH}_3 \end{array}$ <p>Vinyltrimethoxysilane [2768-02-7]</p>	<p><b>V0046</b> 25mL</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3\text{CH}_2\text{O}-\text{Si}-\text{CH}=\text{CH}_2 \\   \\ \text{CH}_3 \end{array}$ <p>Dimethylethoxyvinylsilane [5356-83-2]</p>	<p><b>D2318</b> 25mL</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \\   \\ \text{CH}_3-\text{Si}-\text{CH}=\text{CH}_2 \\   \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>Diethoxymethylvinylsilane [5507-44-8]</p>	<p><b>V0044</b> 25mL 100mL 500mL</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \\   \\ \text{CH}_3\text{CH}_2\text{O}-\text{Si}-\text{CH}=\text{CH}_2 \\   \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>Triethoxyvinylsilane [78-08-0]</p>	<p><b>V0048</b> 25mL 500mL</p> $\begin{array}{c} \text{OCH}_2\text{CH}_2\text{OCH}_3 \\   \\ \text{CH}_3\text{OCH}_2\text{CH}_2\text{O}-\text{Si}-\text{CH}=\text{CH}_2 \\   \\ \text{OCH}_2\text{CH}_2\text{OCH}_3 \end{array}$ <p>Vinyltris(2-methoxyethoxy)-silane [1067-53-4]</p>
<p><b>A1275</b> 10mL 25mL</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_2=\text{CHCH}_2-\text{Si}-\text{Cl} \\   \\ \text{CH}_3 \end{array}$ <p>Allylchlorodimethylsilane [4028-23-3]</p>	<p><b>A1538</b> 5g 25g</p> $\begin{array}{c} \text{Cl} \\   \\ \text{Cl}-\text{Si}-\text{CH}_2\text{CH}=\text{CH}_2 \\   \\ \text{Cl} \end{array}$ <p>Allyltrichlorosilane [107-37-9]</p>	<p><b>A1504</b> 5mL 25mL</p> $\begin{array}{c} \text{OCH}_3 \\   \\ \text{CH}_3\text{O}-\text{Si}-\text{C}_6\text{H}_4-\text{CH}=\text{CH}_2 \\   \\ \text{OCH}_3 \end{array}$ <p>Allyltrimethoxysilane [2551-83-9]</p>	<p><b>A0785</b> 10mL</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \\   \\ \text{CH}_3\text{CH}_2\text{O}-\text{Si}-\text{CH}_2\text{CH}=\text{CH}_2 \\   \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>Allyltriethoxysilane [2550-04-1]</p>	<p><b>B3214</b> 1g 5g</p>  <p>[Bicyclo[2.2.1]hept-5-en-2-yl]triethoxysilane (mixture of isomers) [18401-43-9]</p>

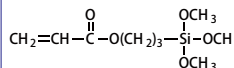
## 丙烯酰基烷氧基硅烷 Acryloyloxyalkyl Silanes

M2525 5g



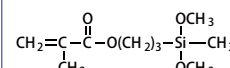
3-(Methoxydimethylsilyl)propyl Acrylate [111918-90-2]

A1597 25g



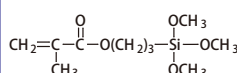
3-(Trimethoxysilyl)propyl Acrylate [4369-14-6]

M1530 25mL



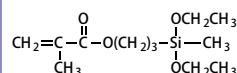
3-[Dimethoxy(methyl)silyl]propyl Methacrylate [14513-34-9]

M0725 25mL 100mL 500mL



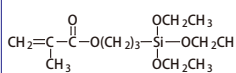
3-(Trimethoxysilyl)propyl Methacrylate [2530-85-0]

D4679 25mL



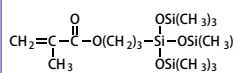
3-[Diethoxy(methyl)silyl]propyl Methacrylate [65100-04-1]

T2676 25g



3-(Triethoxysilyl)propyl Methacrylate [21142-29-0]

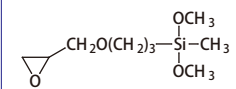
M1324 25mL 100mL



3-[Tris(trimethylsilyloxy)silyl]propyl Methacrylate [17096-07-0]

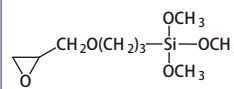
## 环氧丙基烷氧基硅烷 Glycidyoxyalkyl Silanes

G0261 25g 500g



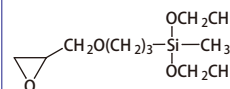
3-Glycidyoxypropyl(dimethoxy)methylsilane [65799-47-5]

G0210 25g 100g 500g



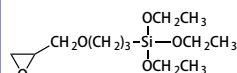
3-Glycidyoxypropyltrimethoxysilane [2530-83-8]

D2632 25mL



Diethoxy(3-glycidyoxypropyl)methylsilane [2897-60-1]

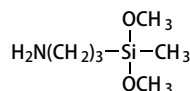
T2675 25g



Triethoxy(3-glycidyoxypropyl)silane [2602-34-8]

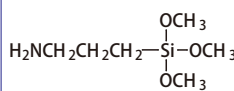
## 氨基硅烷 Aminoalkyl Silanes

A2628 25mL



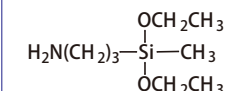
3-Aminopropyl(dimethoxy)methylsilane [3663-44-3]

T1255 25mL 100mL 500mL



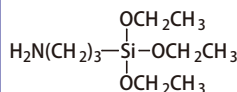
3-Aminopropyltrimethoxysilane [13822-56-5]

D1980 25mL 100mL 500mL



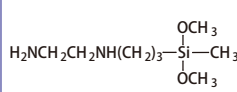
3-Aminopropyl diethoxymethylsilane [3179-76-8]

A0439 25g 100g 500g



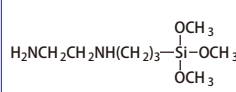
3-Aminopropyltriethoxysilane [919-30-2]

A0876 25mL 500mL



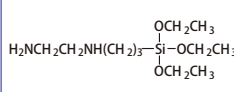
3-(2-Aminoethylamino)propyl dimethoxymethylsilane [3069-29-2]

A0774 25g 100g 500g



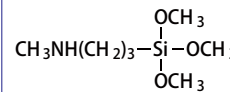
3-(2-Aminoethylamino)propyl trimethoxysilane [1760-24-3]

A1923 25g



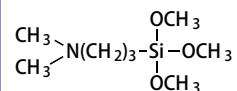
3-(2-Aminoethylamino)propyl triethoxysilane [5089-72-5]

T2868 25g 100g



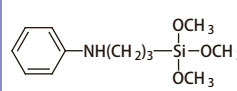
Trimethoxy[3-(methylamino)propyl]silane [3069-25-8]

D4328 5mL 25mL



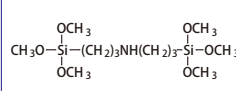
[3-(N,N-Dimethylamino)propyl]trimethoxysilane [2530-86-1]

P1458 25g 250g



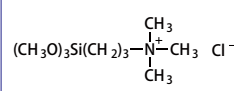
Trimethoxy[3-(phenylamino)propyl]silane [3068-76-6]

B2548 25g 500g



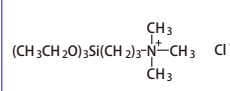
Bis[3-(trimethoxysilyl)propyl]amine [82985-35-1]

T2796 10g 25g



Trimethyl[3-(trimethoxysilyl)propyl]ammonium Chloride (ca. 50% in Methanol) [35141-36-7]

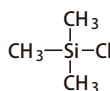
T2246 5g 25g



Trimethyl[3-(triethoxysilyl)propyl]ammonium Chloride [84901-27-9]

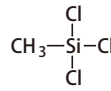
## 烷基硅烷 Alkyl Silanes

C0306 25mL 100mL 500mL



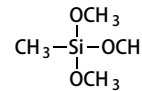
Chlorotrimethylsilane [75-77-4]

M0450 25g 100g 500g



Trichloro(methyl)silane [75-79-6]

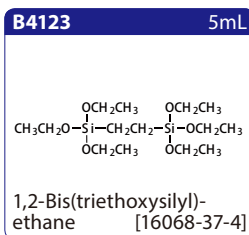
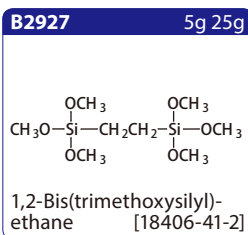
M0660 25mL 500mL



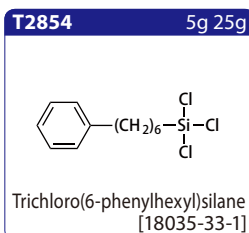
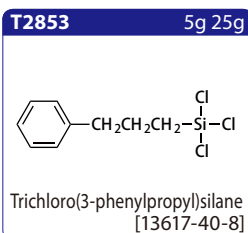
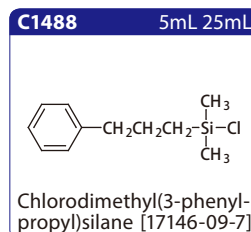
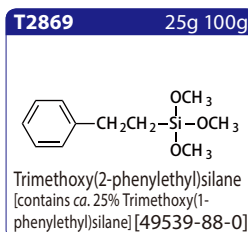
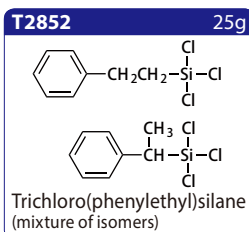
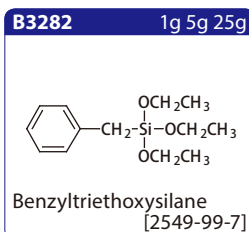
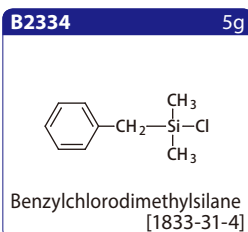
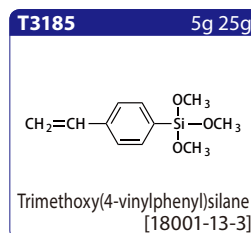
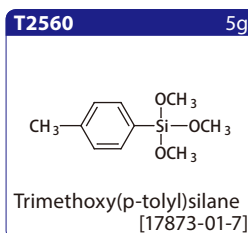
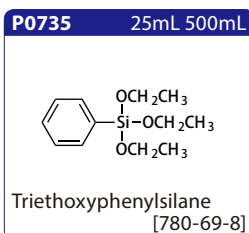
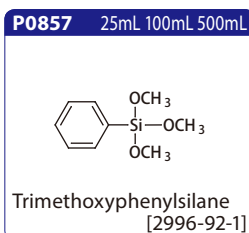
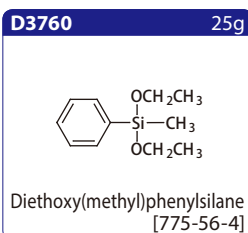
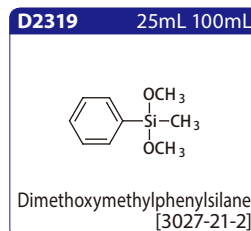
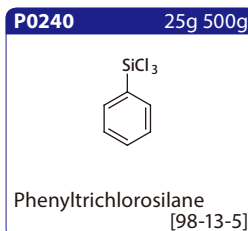
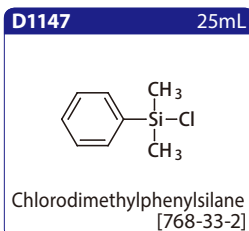
Trimethoxy(methyl)silane [1185-55-3]

<p><b>M0451</b> 25mL 500mL</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \\   \\ \text{CH}_3-\text{Si}-\text{OCH}_2\text{CH}_3 \\   \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>Triethoxymethylsilane [2031-67-6]</p>	<p><b>D0135</b> 5g 25g</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{Cl}-\text{Si}-\text{CH}_2\text{CH}_3 \\   \\ \text{CH}_3 \end{array}$ <p>Dimethylethylchlorosilane [6917-76-6]</p>	<p><b>T0589</b> 5g 25g 100g</p> $\begin{array}{c} \text{CH}_2\text{CH}_3 \\   \\ \text{CH}_3\text{CH}_2-\text{Si}-\text{Cl} \\   \\ \text{CH}_2\text{CH}_3 \end{array}$ <p>Chlorotriethylsilane [994-30-9]</p>	<p><b>E0188</b> 25g 500g</p> $\begin{array}{c} \text{Cl} \\   \\ \text{CH}_3\text{CH}_2-\text{Si}-\text{Cl} \\   \\ \text{Cl} \end{array}$ <p>Ethyltrichlorosilane [115-21-9]</p>	<p><b>E0789</b> 25g</p> $\begin{array}{c} \text{OCH}_3 \\   \\ \text{CH}_3\text{CH}_2-\text{Si}-\text{OCH}_3 \\   \\ \text{OCH}_3 \end{array}$ <p>Ethyltrimethoxysilane [5314-55-6]</p>
<p><b>E0189</b> 25mL</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \\   \\ \text{CH}_3\text{CH}_2-\text{Si}-\text{OCH}_2\text{CH}_3 \\   \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>Triethoxyethylsilane [78-07-9]</p>	<p><b>D1590</b> 5mL 25mL</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3\text{CH}_2\text{CH}_2-\text{Si}-\text{Cl} \\   \\ \text{CH}_3 \end{array}$ <p>Chlorodimethylpropylsilane [17477-29-1]</p>	<p><b>P0371</b> 25g</p> $\begin{array}{c} \text{Cl} \\   \\ \text{Cl}-\text{Si}-\text{CH}_2\text{CH}_2\text{CH}_3 \\   \\ \text{Cl} \end{array}$ <p>Trichloro(propyl)silane [141-57-1]</p>	<p><b>T1801</b> 25mL 500mL</p> $\begin{array}{c} \text{OCH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_2-\text{Si}-\text{OCH}_3 \\   \\ \text{OCH}_3 \end{array}$ <p>Trimethoxy(propyl)silane [1067-25-0]</p>	<p><b>T2867</b> 25g 100g</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \\   \\ \text{CH}_3\text{CH}_2\text{CH}_2-\text{Si}-\text{OCH}_2\text{CH}_3 \\   \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>Triethoxy(propyl)silane [2550-02-9]</p>
<p><b>D1594</b> 5mL 25mL</p> $\begin{array}{c} \text{CH}_3 \quad \text{CH}_3 \\   \quad   \\ \text{CH}_3-\text{Si}-\text{Cl} \\   \\ \text{CH}_3 \end{array}$ <p>Dimethylisopropylchlorosilane [3634-56-8]</p>	<p><b>D2262</b> 1g 5g</p> $\begin{array}{c} \text{CH}_2\text{CH}_3 \\   \\ \text{CH}_3-\text{CH}-\text{Si}-\text{Cl} \\   \quad   \\ \text{CH}_3 \quad \text{CH}_2\text{CH}_3 \end{array}$ <p>Chlorodiethylisopropylsilane [107149-56-4]</p>	<p><b>T1078</b> 5mL 25mL 250mL</p> $\begin{array}{c} \text{CH}(\text{CH}_3)_2 \\   \\ (\text{CH}_3)_2\text{CH}-\text{Si}-\text{Cl} \\   \\ \text{CH}(\text{CH}_3)_2 \end{array}$ <p>Triisopropylsilyl Chloride [13154-24-0]</p>	<p><b>B2010</b> 25mL</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_3-\text{Si}-\text{Cl} \\   \\ \text{CH}_3 \end{array}$ <p>Butylchlorodimethylsilane [1000-50-6]</p>	<p><b>B0393</b> 25g</p> $\begin{array}{c} \text{Cl} \\   \\ \text{CH}_3(\text{CH}_2)_3-\text{Si}-\text{Cl} \\   \\ \text{Cl} \end{array}$ <p>Butyltrichlorosilane [7521-80-4]</p>
<p><b>I0452</b> 25g 500g</p> $\begin{array}{c} \text{CH}_3 \quad \text{Cl} \\   \quad   \\ \text{CH}_3-\text{CH}-\text{CH}_2-\text{Si}-\text{Cl} \\   \quad   \\ \quad \quad \text{Cl} \end{array}$ <p>Isobutyltrichlorosilane [18169-57-8]</p>	<p><b>B0995</b> 5g 25g 100g</p> $\begin{array}{c} \text{CH}_3 \quad \text{CH}_3 \\   \quad   \\ \text{CH}_3-\text{C}-\text{Si}-\text{Cl} \\   \quad   \\ \text{CH}_3 \quad \text{CH}_3 \end{array}$ <p>tert-Butyldimethylchlorosilane [18162-48-6]</p>	<p><b>H0547</b> 25mL</p> $\begin{array}{c} \text{Cl} \\   \\ \text{Cl}-\text{Si}-(\text{CH}_2)_5\text{CH}_3 \\   \\ \text{Cl} \end{array}$ <p>Trichlorohexylsilane [928-65-4]</p>	<p><b>H0879</b> 25mL 500mL</p> $\begin{array}{c} \text{OCH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_5-\text{Si}-\text{OCH}_3 \\   \\ \text{OCH}_3 \end{array}$ <p>Hexyltrimethoxysilane [3069-19-0]</p>	<p><b>H1158</b> 25mL 500mL</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_5-\text{Si}-\text{OCH}_2\text{CH}_3 \\   \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>Hexyltriethoxysilane [18166-37-5]</p>
<p><b>T2116</b> 5g 25g</p> $\begin{array}{c} \text{CH}_3 \quad \text{CH}_3 \quad \text{CH}_3 \\   \quad   \quad   \\ \text{CH}_3-\text{CH}-\text{C}-\text{Si}-\text{Cl} \\   \quad   \quad   \\ \text{CH}_3 \quad \text{CH}_3 \quad \text{CH}_3 \end{array}$ <p>Chloro(dimethyl)- thexylsilane [67373-56-2]</p>	<p><b>T2517</b> 5g 25g</p> $\begin{array}{c} \text{Cl} \quad \text{CH}_3 \\   \quad   \\ \text{Cl}-\text{Si}-\text{C}-\text{CH}-\text{CH}_3 \\   \quad   \quad   \\ \text{Cl} \quad \text{CH}_3 \quad \text{CH}_3 \end{array}$ <p>Thexyltrichlorosilane [18151-53-6]</p>	<p><b>C0892</b> 5g 25g</p> $\begin{array}{c} \text{SiCl}_3 \\   \\ \text{C}_6\text{H}_{11} \end{array}$ <p>Cyclohexyltrichlorosilane [98-12-4]</p>	<p><b>C2280</b> 5g 25g</p> $\begin{array}{c} \text{OCH}_3 \\   \\ \text{C}_6\text{H}_{10}-\text{Si}-\text{OCH}_3 \\   \\ \text{OCH}_3 \end{array}$ <p>Cyclohexyltrimethoxysilane [17865-54-2]</p>	<p><b>D1827</b> 25mL 100mL</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_7-\text{Si}-\text{Cl} \\   \\ \text{CH}_3 \end{array}$ <p>Dimethyl-n-octylchlorosilane [18162-84-0]</p>
<p><b>O0168</b> 25g 250g</p> $\begin{array}{c} \text{Cl} \\   \\ \text{CH}_3(\text{CH}_2)_7-\text{Si}-\text{Cl} \\   \\ \text{Cl} \end{array}$ <p>n-Octyltrichlorosilane [5283-66-9]</p>	<p><b>T2875</b> 25mL</p> $\begin{array}{c} \text{OCH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_7-\text{Si}-\text{OCH}_3 \\   \\ \text{OCH}_3 \end{array}$ <p>Trimethoxy-n-octylsilane [3069-40-7]</p>	<p><b>O0171</b> 25mL 500mL</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_7-\text{Si}-\text{OCH}_2\text{CH}_3 \\   \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>Triethoxy-n-octylsilane [2943-75-1]</p>	<p><b>C1468</b> 25mL</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_9-\text{Si}-\text{Cl} \\   \\ \text{CH}_3 \end{array}$ <p>Chloro(decyl)dimethylsilane [38051-57-9]</p>	<p><b>D1486</b> 25mL</p> $\begin{array}{c} \text{Cl} \\   \\ \text{CH}_3(\text{CH}_2)_9-\text{Si}-\text{Cl} \\   \\ \text{Cl} \end{array}$ <p>Decyltrichlorosilane [13829-21-5]</p>
<p><b>C1469</b> 25mL</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_{11}-\text{Si}-\text{Cl} \\   \\ \text{CH}_3 \end{array}$ <p>Chloro(dodecyl)dimethylsilane [66604-31-7]</p>	<p><b>D1509</b> 25mL</p> $\begin{array}{c} \text{Cl} \\   \\ \text{CH}_3(\text{CH}_2)_{11}-\text{Si}-\text{Cl} \\   \\ \text{Cl} \end{array}$ <p>Dodecyltrichlorosilane [4484-72-4]</p>	<p><b>D3383</b> 25g 250g</p> $\begin{array}{c} \text{OCH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_{11}-\text{Si}-\text{OCH}_3 \\   \\ \text{OCH}_3 \end{array}$ <p>Dodecyltrimethoxysilane [3069-21-4]</p>	<p><b>D1510</b> 10mL</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_{11}-\text{Si}-\text{OCH}_2\text{CH}_3 \\   \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>Dodecyltriethoxysilane [18536-91-9]</p>	<p><b>T0924</b> 10mL</p> $\begin{array}{c} \text{Cl} \\   \\ \text{CH}_3(\text{CH}_2)_{13}-\text{Si}-\text{Cl} \\   \\ \text{Cl} \end{array}$ <p>Trichlorotetradecylsilane [18402-22-7]</p>
<p><b>H1376</b> 25g</p> $\begin{array}{c} \text{OCH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_{15}-\text{Si}-\text{OCH}_3 \\   \\ \text{OCH}_3 \end{array}$ <p>Hexadecyltrimethoxysilane [16415-12-6]</p>	<p><b>D1560</b> 25mL</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_{17}-\text{Si}-\text{Cl} \\   \\ \text{CH}_3 \end{array}$ <p>Dimethyloctadecylchlorosilane [18643-08-8]</p>	<p><b>O0079</b> 25g</p> $\begin{array}{c} \text{Cl} \\   \\ \text{CH}_3(\text{CH}_2)_{17}-\text{Si}-\text{Cl} \\   \\ \text{Cl} \end{array}$ <p>Trichlorooctadecylsilane [112-04-9]</p>	<p><b>O0256</b> 25mL</p> $\begin{array}{c} \text{OCH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_{17}-\text{Si}-\text{OCH}_3 \\   \\ \text{OCH}_3 \end{array}$ <p>Octadecyltrimethoxysilane [3069-42-9]</p>	<p><b>O0165</b> 25g</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_{17}-\text{Si}-\text{OCH}_2\text{CH}_3 \\   \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>Octadecyltriethoxysilane [7399-00-0]</p>

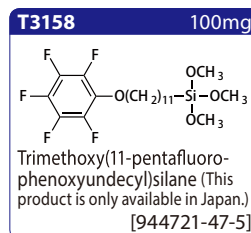
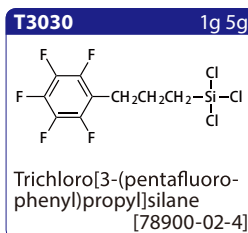
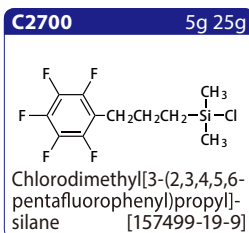
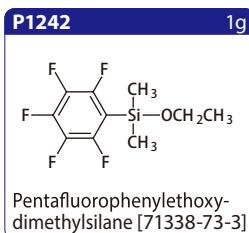
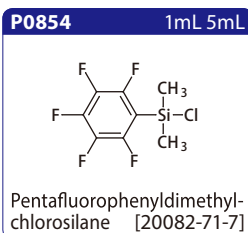
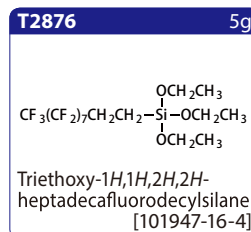
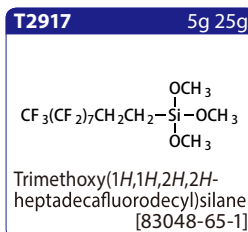
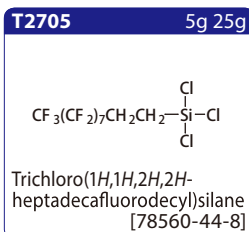
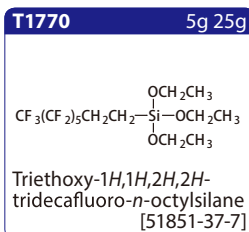
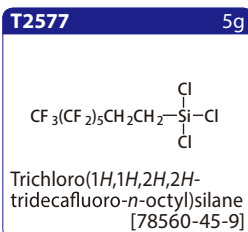
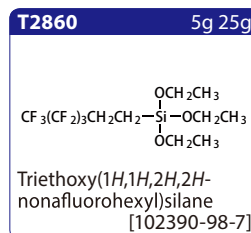
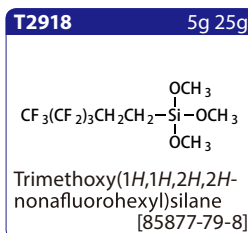
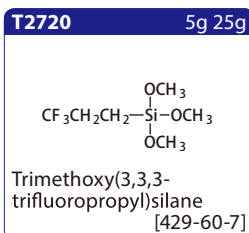




## 芳基硅烷 芳基烷基硅烷 Aryl Silanes Arylalkyl Silanes



## 芳基硅烷 芳基烷基硅烷 Fluoroalkyl Silanes Fluoroaryl Silanes



## 其它硅烷 Other Silanes

<p><b>C0605</b> 25g 250g</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{ClCH}_2-\text{Si}-\text{Cl} \\   \\ \text{CH}_3 \end{array}$ <p>Chloro(chloromethyl)-dimethylsilane [1719-57-9]</p>	<p><b>C3073</b> 5g 25g</p> $\begin{array}{c} \text{OCH}_3 \\   \\ \text{ClCH}_2-\text{Si}-\text{OCH}_3 \\   \\ \text{OCH}_3 \end{array}$ <p>(Chloromethyl)trimethoxysilane [5926-26-1]</p>	<p><b>C1402</b> 10g</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \\   \\ \text{ClCH}_2-\text{Si}-\text{OCH}_2\text{CH}_3 \\   \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>(Chloromethyl)triethoxysilane [15267-95-5]</p>		
<p><b>C0844</b> 25g</p> $\begin{array}{c} \text{Cl} \\   \\ \text{ClCH}_2\text{CH}_2\text{CH}_2-\text{Si}-\text{Cl} \\   \\ \text{Cl} \end{array}$ <p>3-Chloropropyltrichlorosilane [2550-06-3]</p>	<p><b>C1168</b> 5g 25g</p> $\begin{array}{c} \text{OCH}_3 \\   \\ \text{ClCH}_2\text{CH}_2\text{CH}_2-\text{Si}-\text{CH}_3 \\   \\ \text{OCH}_3 \end{array}$ <p>3-Chloropropyldimethoxymethylsilane [18171-19-2]</p>	<p><b>C0840</b> 25mL 500mL</p> $\begin{array}{c} \text{OCH}_3 \\   \\ \text{CH}_3-\text{Si}-\text{CH}_2\text{CH}_2\text{CH}_2\text{Cl} \\   \\ \text{OCH}_3 \end{array}$ <p>3-Chloropropyltrimethoxysilane [2530-87-2]</p>	<p><b>T1253</b> 25mL 500mL</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \\   \\ \text{Cl}(\text{CH}_2)_3-\text{Si}-\text{OCH}_2\text{CH}_3 \\   \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>3-Chloropropyltriethoxysilane [5089-70-3]</p>	<p><b>B0847</b> 25g</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{Cl}-\text{Si}-\text{CH}_2\text{Br} \\   \\ \text{CH}_3 \end{array}$ <p>(Bromomethyl)chlorodimethylsilane [16532-02-8]</p>
<p><b>C1207</b> 5mL 25mL</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{NC}-\text{CH}_2\text{CH}_2\text{CH}_2-\text{Si}-\text{Cl} \\   \\ \text{CH}_3 \end{array}$ <p>(3-Cyanopropyl)dimethylchlorosilane [18156-15-5]</p>	<p><b>C1259</b> 25mL 250mL</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \\   \\ \text{NCCH}_2\text{CH}_2-\text{Si}-\text{OCH}_2\text{CH}_3 \\   \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>2-Cyanoethyltriethoxysilane [919-31-3]</p>	<p><b>M1323</b> 25mL</p> $\begin{array}{c} \text{OCH}_3 \\   \\ \text{CH}_3-\text{Si}-(\text{CH}_2)_3\text{SH} \\   \\ \text{OCH}_3 \end{array}$ <p>3-Mercaptopropyl(dimethoxymethyl)silane [31001-77-1]</p>	<p><b>M0928</b> 25mL 100mL 500mL</p> $\begin{array}{c} \text{OCH}_3 \\   \\ \text{CH}_3\text{O}-\text{Si}-(\text{CH}_2)_3\text{SH} \\   \\ \text{OCH}_3 \end{array}$ <p>(3-Mercaptopropyl)trimethoxysilane [4420-74-0]</p>	<p><b>M1505</b> 25g 100g 500g</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \\   \\ \text{HS}(\text{CH}_2)_3-\text{Si}-\text{OCH}_2\text{CH}_3 \\   \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>(3-Mercaptopropyl)triethoxysilane [14814-09-6]</p>
<p><b>I0556</b> 25g 100g</p> $\begin{array}{c} \text{OCH}_2\text{CH}_3 \\   \\ \text{OCN}(\text{CH}_2)_3-\text{Si}-\text{OCH}_2\text{CH}_3 \\   \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>(3-Isocyanatopropyl)triethoxysilane [24801-88-5]</p>	<p><b>T1915</b> 25g 250g</p> $\begin{array}{c} \text{O} \\    \\ \text{H}_2\text{N}-\text{C}-\text{NH}(\text{CH}_2)_3-\text{Si}-\text{OCH}_3 \\   \\ \text{OCH}_3 \end{array}$ <p>1-[3-(Trimethoxysilyl)propyl]urea [23843-64-3]</p>	<p><b>U0048</b> 25mL 500mL</p> $\begin{array}{c} \text{O} \\    \\ \text{H}_2\text{N}-\text{C}-\text{NH}(\text{CH}_2)_3-\text{Si}-\text{OCH}_2\text{CH}_3 \\   \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>1-[3-(Triethoxysilyl)propyl]urea (40-52% in Methanol) [23779-32-0]</p>	<p><b>A2783</b> 100mg</p> $\begin{array}{c} \text{OCH}_3 \\   \\ \text{N}_3(\text{CH}_2)_{11}-\text{Si}-\text{OCH}_3 \\   \\ \text{OCH}_3 \end{array}$ <p>(11-Azidoundecyl)trimethoxysilane [334521-23-2]</p>	<p><b>P2258</b> 1g 5g</p> $\begin{array}{c} \text{O} \\    \\ \text{HC}\equiv\text{C}-\text{CH}_2-\text{O}-\text{C}-\text{NH}(\text{CH}_2)_3-\text{Si}-\text{OCH}_2\text{CH}_3 \\   \\ \text{OCH}_2\text{CH}_3 \end{array}$ <p>2-Propynyl [3-(Triethoxysilyl)propyl]carbamate [870987-68-1]</p>
<p><b>E0327</b> 25mL 500mL</p> $\begin{array}{c} \text{O} \\ / \quad \backslash \\ \text{C}_6\text{H}_{10} \\   \\ \text{CH}_2\text{CH}_2-\text{Si}-\text{OCH}_3 \\   \\ \text{OCH}_3 \end{array}$ <p>2-(3,4-Epoxy-cyclohexyl)ethyltrimethoxysilane [3388-04-3]</p>	<p><b>V0050</b> 25mL</p> $\begin{array}{c} \text{OCH}_3 \\   \\ \text{CH}_3\text{O}-\text{Si}(\text{CH}_2)_3\text{NH}(\text{CH}_2)_2\text{NHCH}_2\text{C}_6\text{H}_4\text{CH}=\text{CH}_2 \\   \\ \text{OCH}_3 \end{array} \cdot \text{HCl}$ <p>N-[2-(N-Vinylbenzylamino)ethyl]-3-aminopropyltrimethoxysilane Hydrochloride (30-40% in Methanol) [34937-00-3]</p>			



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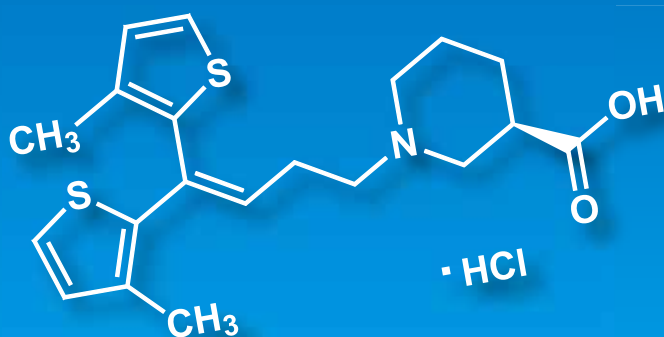
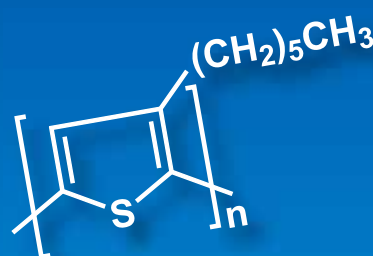
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# 噻吩

## Thiophenes



烷基单噻吩类

卤代单噻吩类

其它单噻吩类

苯并噻吩类


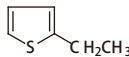
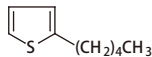
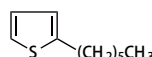
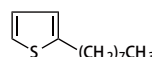

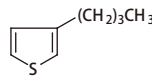
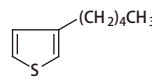
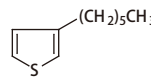
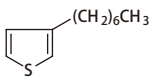
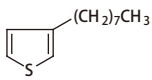
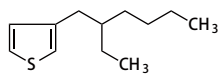
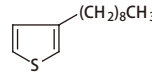
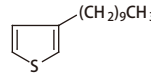
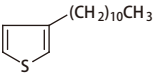
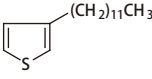
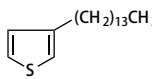
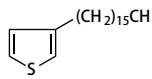
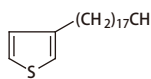
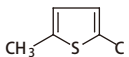
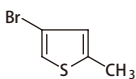
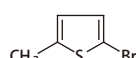
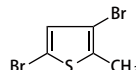
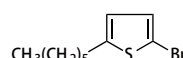
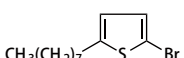


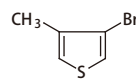
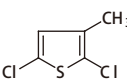
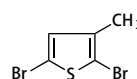
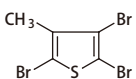
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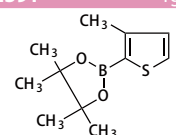
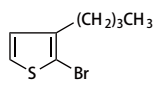
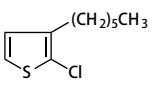
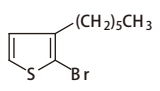
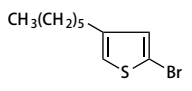
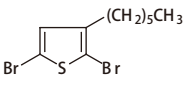
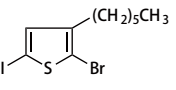
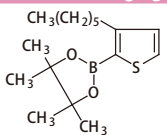
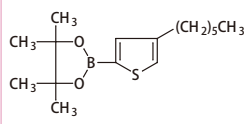
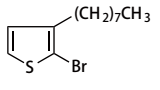
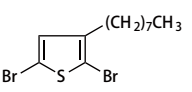
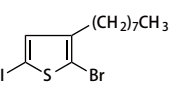
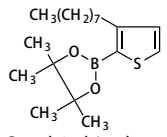
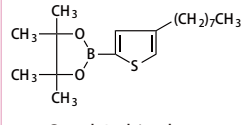
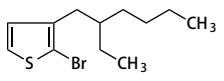
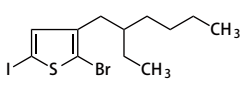
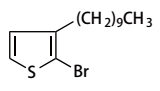
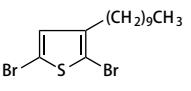
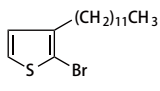
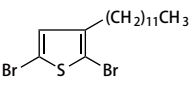
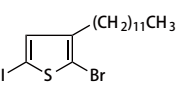
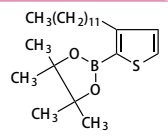
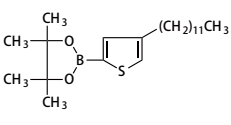
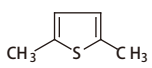
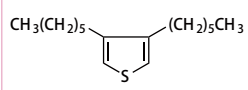
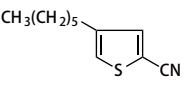
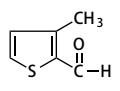
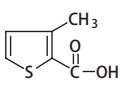
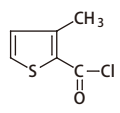
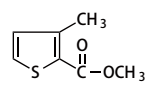
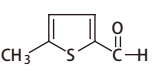
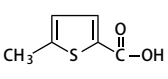
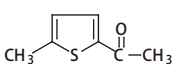
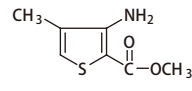
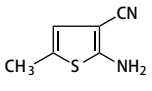
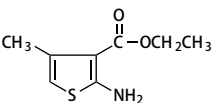
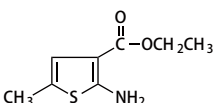
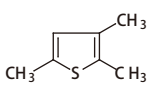
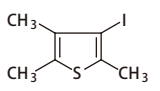
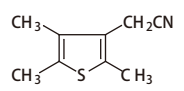
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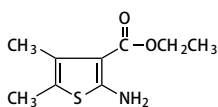
# 噻吩

## 烷基单噻吩类 Alkylmonothiophenes

<h2>烷基单噻吩类 Alkylmonothiophenes</h2>					<b>M0635</b> 25mL 500mL  2-Methylthiophene [554-14-3]	<b>E0380</b> 25mL  2-Ethylthiophene [872-55-9]	<b>P1835</b> 5g  2-Pentylthiophene [4861-58-9]
					<b>H1350</b> 5g 25g  2-Hexylthiophene [18794-77-9]	<b>O0376</b> 5g  2-n-Octylthiophene [880-36-4]	<b>M0440</b> 25g 500g  3-Methylthiophene [616-44-4]
<b>B1458</b> 1g 5g  3-Butylthiophene [34722-01-5]	<b>P1127</b> 1g 5g  3-Pentylthiophene [102871-31-8]	<b>H0756</b> 1g 5g 25g  3-Hexylthiophene [1693-86-3]	<b>H0722</b> 1g 5g  3-Heptylthiophene [65016-61-7]	<b>O0213</b> 1g 5g 25g  3-n-Octylthiophene [65016-62-8]			
<b>E0973</b> 200mg 1g  3-(2-Ethylhexyl)thiophene [121134-38-1]	<b>N0533</b> 1g 5g  3-Nonylthiophene [65016-63-9]	<b>D2098</b> 1g 5g  3-Decylthiophene [65016-55-9]	<b>U0056</b> 1g 5g  3-Undecylthiophene [129607-86-9]	<b>D2016</b> 1g 5g 25g  3-Dodecylthiophene [104934-52-3]			
<b>T3104</b> 5g 25g  3-Tetradecylthiophene [110851-66-6]	<b>H1462</b> 1g 5g 25g  3-Hexadecylthiophene [119269-24-8]	<b>O0245</b> 1g 5g  3-Octadecylthiophene [104934-54-5]	<b>C2324</b> 5g 25g  2-Chloro-5-methylthiophene [17249-82-0]	<b>B3385</b> 5g 25g  4-Bromo-2-methylthiophene [29421-92-9]			
<b>B1540</b> 5g 25g  2-Bromo-5-methylthiophene [765-58-2]	<b>D3999</b> 5g 25g  3,5-Dibromo-2-methylthiophene [29421-73-6]	<b>B3812</b> 5g  2-Bromo-5-hexylthiophene [211737-28-9]	<b>B3738</b> 5g 25g  2-Bromo-5-n-octylthiophene [172514-63-5]	<b>C1801</b> 5g 25g  2-Chloro-3-methylthiophene [14345-97-2]			
<b>B1025</b> 5g 25g  2-Bromo-3-methylthiophene [14282-76-9]	<b>B1541</b> 5g 25g  3-Bromo-4-methylthiophene [30318-99-1]	<b>D3680</b> 1g 5g  2,5-Dichloro-3-methylthiophene [17249-90-0]	<b>D4304</b> 5g 25g  2,5-Dibromo-3-methylthiophene [13191-36-1]	<b>T1682</b> 10g  2,3,5-Tribromo-4-methylthiophene [67869-13-0]			

<p><b>M2391</b> 1g 5g</p>  <p>3-Methyl-2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-thiophene [885692-91-1]</p>	<p><b>B4511</b> 5g 25g</p>  <p>2-Bromo-3-butylthiophene [145543-82-4]</p>	<p><b>C2613</b> 5g</p>  <p>2-Chloro-3-hexylthiophene [817181-75-2]</p>	<p><b>B3507</b> 5g 25g</p>  <p>2-Bromo-3-hexylthiophene [69249-61-2]</p>	<p><b>B3985</b> 1g</p>  <p>2-Bromo-4-hexylthiophene [210705-84-3]</p>
<p><b>D3896</b> 5g 25g</p>  <p>2,5-Dibromo-3-hexylthiophene [116971-11-0]</p>	<p><b>B3865</b> 1g 5g</p>  <p>2-Bromo-3-hexyl-5-iodothiophene [160096-76-4]</p>	<p><b>H1298</b> 1g 5g 25g</p>  <p>3-Hexyl-2-thiopheneboronic Acid Pinacol Ester [850881-09-3]</p>	<p><b>H1294</b> 1g 5g</p>  <p>4-Hexyl-2-thiopheneboronic Acid Pinacol Ester [883742-29-8]</p>	<p><b>B3733</b> 5g</p>  <p>2-Bromo-3-n-octylthiophene [145543-83-5]</p>
<p><b>D4053</b> 5g</p>  <p>2,5-Dibromo-3-n-octylthiophene [149703-84-4]</p>	<p><b>B4584</b> 1g</p>  <p>2-Bromo-5-iodo-3-n-octylthiophene [1085181-82-3]</p>	<p><b>O0410</b> 1g 5g</p>  <p>3-n-Octyl-2-thiopheneboronic Acid Pinacol Ester [405165-14-2]</p>	<p><b>O0411</b> 1g 5g</p>  <p>4-n-Octyl-2-thiopheneboronic Acid Pinacol Ester [405165-12-0]</p>	<p><b>B4783</b> 1g 5g</p>  <p>2-Bromo-3-(2-ethylhexyl)thiophene [303734-52-3]</p>
<p><b>B4585</b> 1g 5g</p>  <p>2-Bromo-3-(2-ethylhexyl)-5-iodothiophene [1034352-30-1]</p>	<p><b>B4455</b> 5g 25g</p>  <p>2-Bromo-3-decylthiophene [144012-09-9]</p>	<p><b>D4572</b> 5g 25g</p>  <p>2,5-Dibromo-3-decylthiophene [158956-23-1]</p>	<p><b>B3691</b> 1g 5g</p>  <p>2-Bromo-3-dodecylthiophene [139100-06-4]</p>	<p><b>D4031</b> 5g</p>  <p>2,5-Dibromo-3-dodecylthiophene [148256-63-7]</p>
<p><b>B4586</b> 1g</p>  <p>2-Bromo-3-dodecyl-5-iodothiophene [306769-48-2]</p>	<p><b>D4290</b> 1g 5g</p>  <p>3-Dodecyl-2-thiopheneboronic Acid Pinacol Ester [960524-18-9]</p>	<p><b>D4291</b> 1g 5g</p>  <p>4-Dodecyl-2-thiopheneboronic Acid Pinacol Ester [1173788-58-3]</p>	<p><b>D1591</b> 5mL 25mL</p>  <p>2,5-Dimethylthiophene [638-02-8]</p>	<p><b>D4202</b> 1g 5g</p>  <p>3,4-Dihexylthiophene [122107-04-4]</p>
<p><b>H1503</b> 200mg</p>  <p>2-Cyano-4-hexylthiophene [1224430-39-0]</p>	<p><b>M0899</b> 25g 100g</p>  <p>2-Formyl-3-methylthiophene [5834-16-2]</p>	<p><b>M1459</b> 5g 25g</p>  <p>3-Methyl-2-thenoic Acid [23806-24-8]</p>	<p><b>M1711</b> 5g</p>  <p>3-Methyl-2-thenoyl Chloride [61341-26-2]</p>	<p><b>M2662</b> 1g 5g</p>  <p>Methyl 3-Methylthiophene-2-carboxylate [81452-54-2]</p>
<p><b>M0911</b> 5g 25g</p>  <p>2-Formyl-5-methylthiophene [13679-70-4]</p>	<p><b>M1118</b> 5g</p>  <p>5-Methyl-2-thenoic Acid [1918-79-2]</p>	<p><b>A1181</b> 5g</p>  <p>2-Acetyl-5-methylthiophene [13679-74-8]</p>	<p><b>M1772</b> 5g 25g</p>  <p>Methyl 3-Amino-4-methylthiophene-2-carboxylate [85006-31-1]</p>	<p><b>A2351</b> 5g 25g</p>  <p>2-Amino-3-cyano-5-methylthiophene [138564-58-6]</p>
<p><b>E1103</b> 1g 5g</p>  <p>Ethyl 2-Amino-4-methylthiophene-3-carboxylate [43088-42-2]</p>	<p><b>E1104</b> 1g 5g</p>  <p>Ethyl 2-Amino-5-methylthiophene-3-carboxylate [4815-32-1]</p>	<p><b>T1327</b> 1g 5g</p>  <p>2,3,5-Trimethylthiophene [1795-05-7]</p>	<p><b>I0445</b> 1g 5g</p>  <p>3-Iodo-2,4,5-trimethylthiophene [60813-84-5]</p>	<p><b>C1228</b> 1g 5g</p>  <p>3-(Cyanomethyl)-2,4,5-trimethylthiophene [112440-49-0]</p>

E1005 5g 25g



Ethyl 2-Amino-4,5-dimethylthiophene-3-carboxylate [4815-24-1]

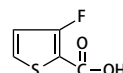
## 卤代单噻吩类 Halomonothiophenes

F0512 200mg 1g



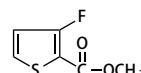
3-Fluorothiophene [3093-88-7]

F0850 1g



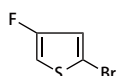
3-Fluoro-2-thiophenecarboxylic Acid [32431-84-8]

M2295 1g



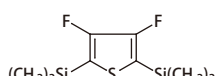
Methyl 3-Fluoro-2-thiophenecarboxylate [100421-52-1]

B3680 200mg 1g



2-Bromo-4-fluorothiophene [32431-65-5]

D3701 1g



3,4-Difluoro-2,5-bis(trimethylsilyl)thiophene [347838-12-4]

C0807 25g



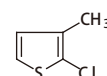
2-Chlorothiophene [96-43-5]

C1192 5g 25g



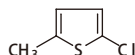
3-Chlorothiophene [17249-80-8]

C1801 5g 25g



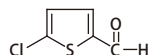
2-Chloro-3-methylthiophene [14345-97-2]

C2324 5g 25g



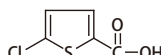
2-Chloro-5-methylthiophene [17249-82-0]

C1722 1g 5g



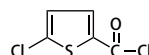
2-Chloro-5-formylthiophene [7283-96-7]

C1230 5g 25g



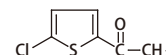
5-Chlorothiophene-2-carboxylic Acid [24065-33-6]

C2864 5g 25g



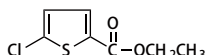
5-Chloro-2-thienoyl Chloride [42518-98-9]

A1471 5g 25g



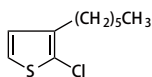
2-Acetyl-5-chlorothiophene [6310-09-4]

E1112 1g 5g



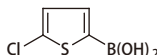
Ethyl 5-Chlorothiophene-2-carboxylate [5751-82-6]

C2613 5g



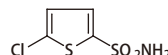
2-Chloro-3-hexylthiophene [817181-75-2]

C2066 1g 5g



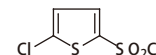
5-Chloro-2-thiopheneboronic Acid [162607-18-3]

C2441 1g 5g



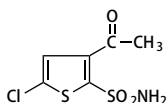
2-Chloro-5-sulfamoylthiophene [53595-66-7]

C2343 5g 25g



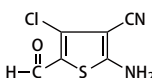
5-Chloro-2-thiophenesulfonyl Chloride [2766-74-7]

A2667 1g 5g



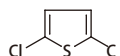
3-Acetyl-5-chloro-2-thiophenesulfonamide [160982-10-5]

A2863 1g 5g



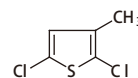
2-Amino-4-chloro-3-cyano-5-formylthiophene [104366-23-6]

D0250 25g



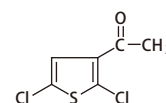
2,5-Dichlorothiophene [3172-52-9]

D3680 1g 5g



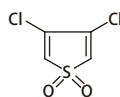
2,5-Dichloro-3-methylthiophene [17249-90-0]

A1182 5g 25g



3-Acetyl-2,5-dichlorothiophene [36157-40-1]

D3612 1g



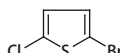
3,4-Dichlorothiophene 1,1-Dioxide [52819-14-4]

B2013 5g 25g



3-Bromo-2-chlorothiophene [40032-73-3]

B1996 5g 25g



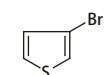
2-Bromo-5-chlorothiophene [2873-18-9]

B0941 25g 250g



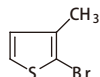
2-Bromothiophene [1003-09-4]

B1067 25g 250g



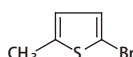
3-Bromothiophene [872-31-1]

B1025 5g 25g



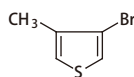
2-Bromo-3-methylthiophene [14282-76-9]

B1540 5g 25g



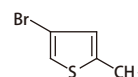
2-Bromo-5-methylthiophene [765-58-2]

B1541 5g 25g



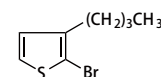
3-Bromo-4-methylthiophene [30318-99-1]

B3385 5g 25g



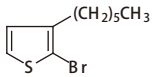
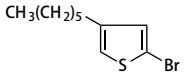
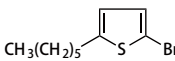
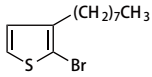
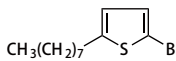
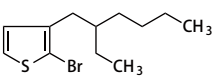
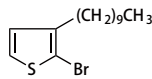
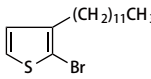
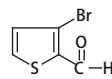
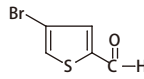
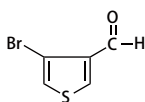
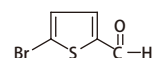
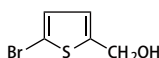
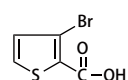
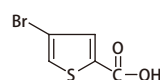
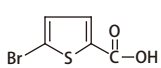
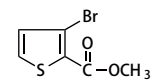
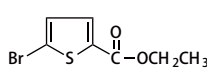
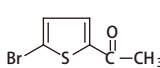
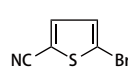
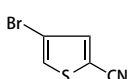
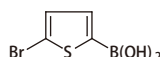
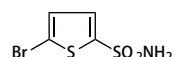
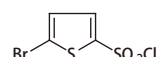
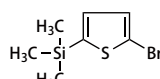
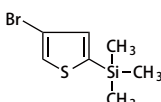

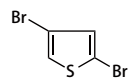
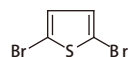
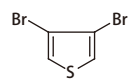
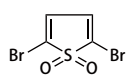
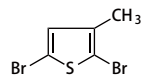
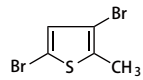
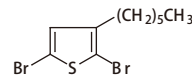
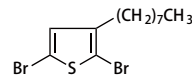
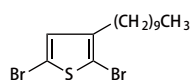
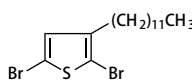
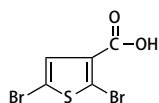
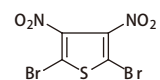
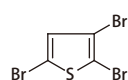
4-Bromo-2-methylthiophene [29421-92-9]

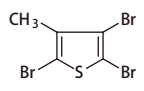
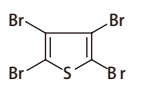
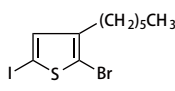
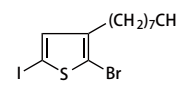
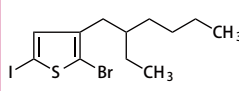
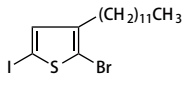


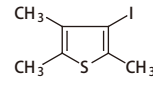


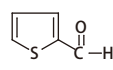
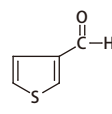
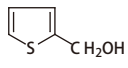
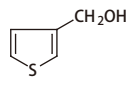
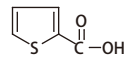
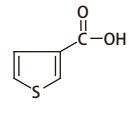
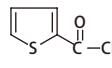
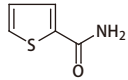
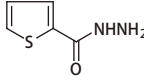
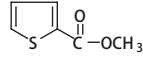
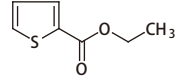
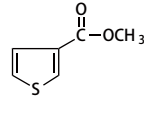
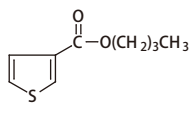
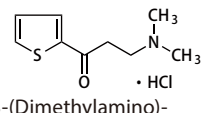
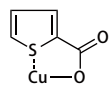
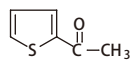
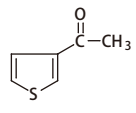
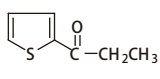
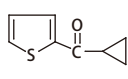
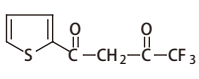
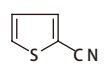

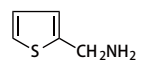
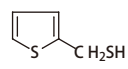
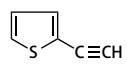
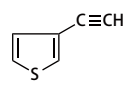
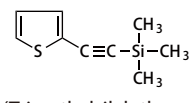
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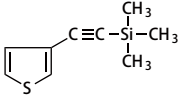
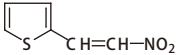
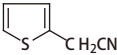
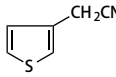
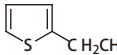
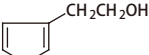
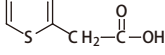
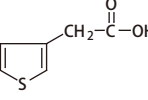
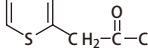
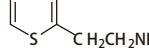
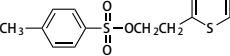
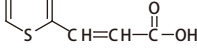
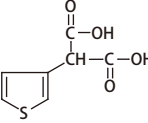
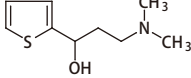
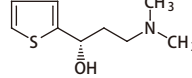
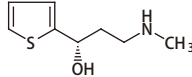
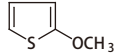
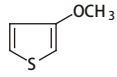

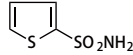
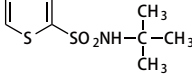
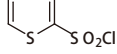
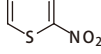
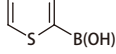
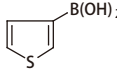
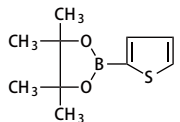
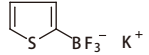
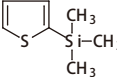
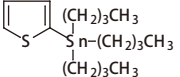
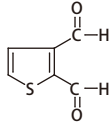
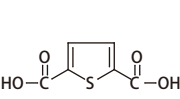
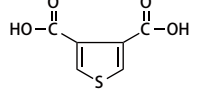
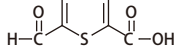
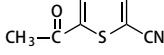
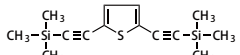
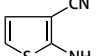
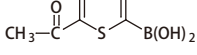
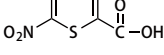
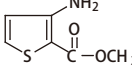
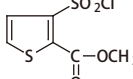


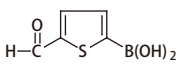
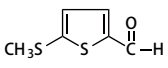
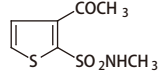
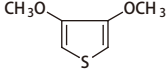
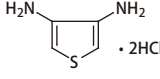
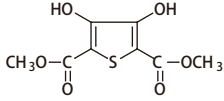
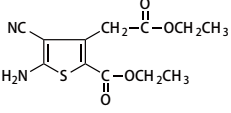
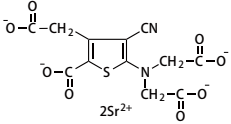
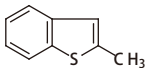
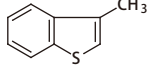
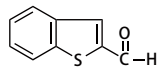
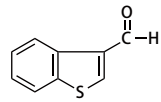
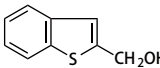
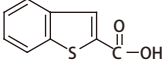
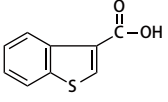
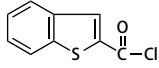
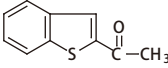
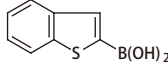
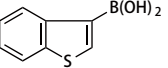
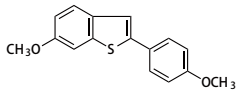
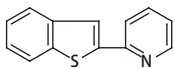
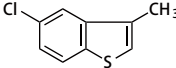
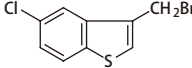
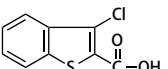
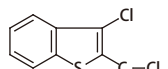
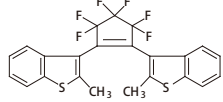
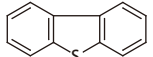
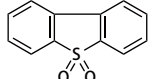
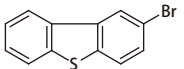
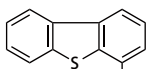
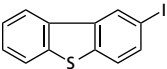
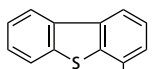
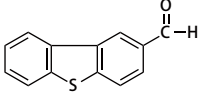
2-Bromo-3-butylthiophene [145543-82-4]

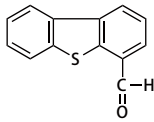
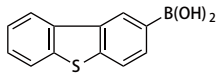
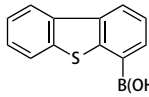
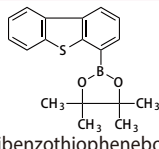
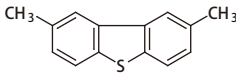
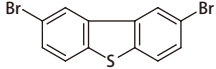
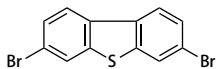
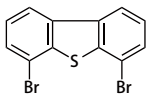
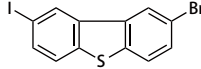
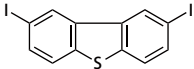
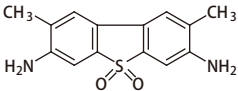
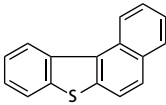
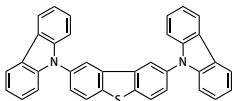
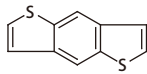
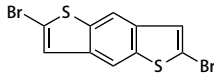
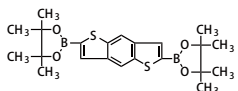
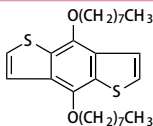
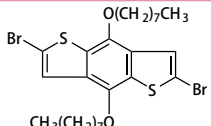
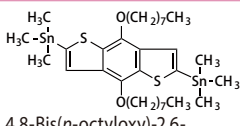
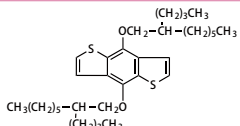
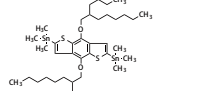
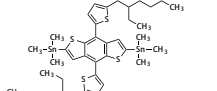
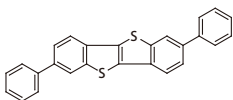
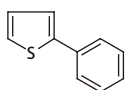
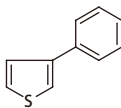
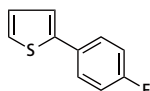
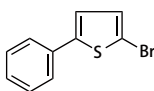
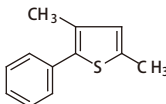
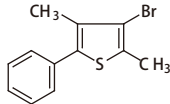
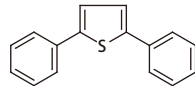
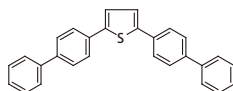
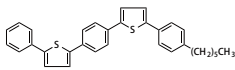
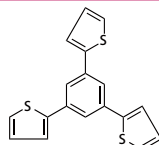
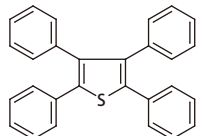
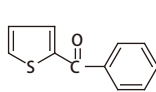
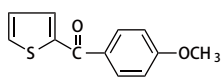


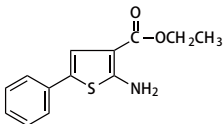
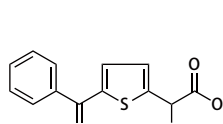
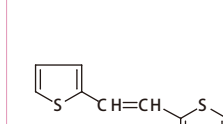
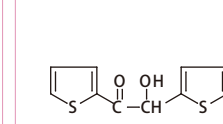
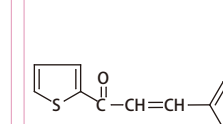
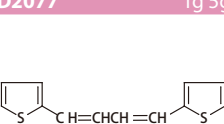
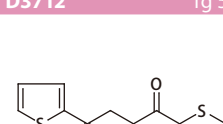
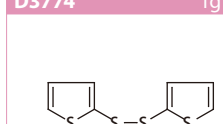
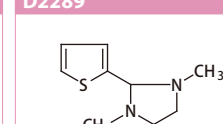
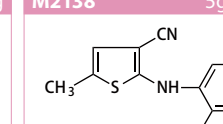
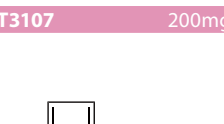
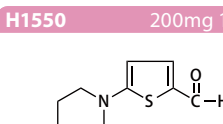
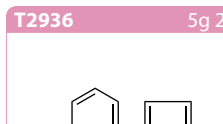
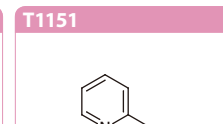
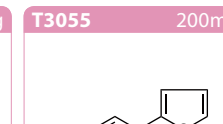
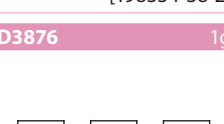
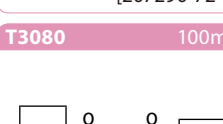
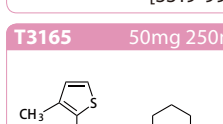
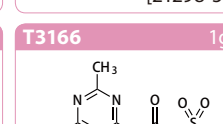
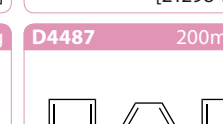

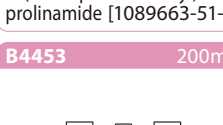
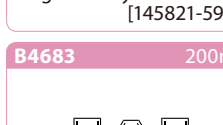
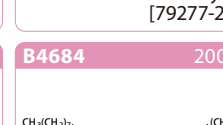


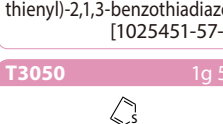
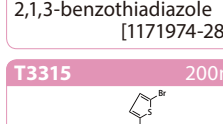
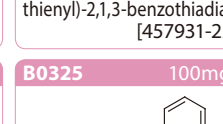
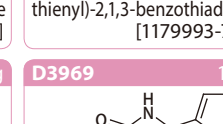
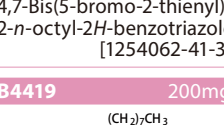
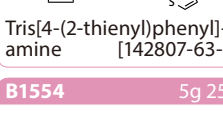
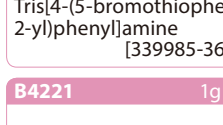
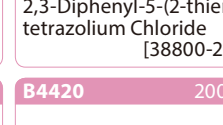
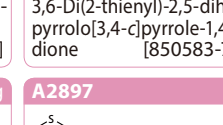
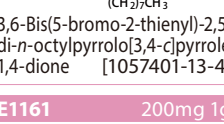
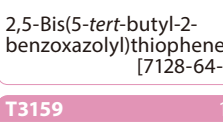
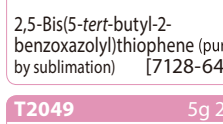
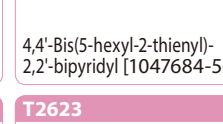
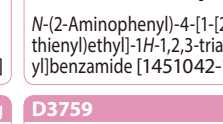
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<p><b>B4783</b> 1g 5g</p>  <p>2-Bromo-3-(2-ethylhexyl)-thiophene [303734-52-3]</p>	<p><b>B4455</b> 5g 25g</p>  <p>2-Bromo-3-decylthiophene [144012-09-9]</p>	<p><b>B3691</b> 1g 5g</p>  <p>2-Bromo-3-dodecylthiophene [139100-06-4]</p>	<p><b>B2934</b> 1g 5g 25g</p>  <p>3-Bromo-2-formylthiophene [930-96-1]</p>	<p><b>B2827</b> 5g 25g</p>  <p>4-Bromo-2-formylthiophene [18791-75-8]</p>
<p><b>B4126</b> 200mg 1g</p>  <p>4-Bromo-3-formylthiophene [18791-78-1]</p>	<p><b>B1135</b> 5g 25g</p>  <p>5-Bromo-2-formylthiophene [4701-17-1]</p>	<p><b>B4651</b> 1g 5g</p>  <p>5-Bromo-2-thiophenemethanol [79387-71-6]</p>	<p><b>B4605</b> 1g 5g</p>  <p>3-Bromothiophene-2-carboxylic Acid [7311-64-0]</p>	<p><b>B3386</b> 5g 25g</p>  <p>4-Bromo-2-thiophenecarboxylic Acid [16694-18-1]</p>
<p><b>B2302</b> 1g 5g</p>  <p>5-Bromo-2-thiophenecarboxylic Acid [7311-63-9]</p>	<p><b>M2590</b> 1g 5g</p>  <p>Methyl 3-Bromothiophene-2-carboxylate [26137-08-6]</p>	<p><b>E1111</b> 1g 5g</p>  <p>Ethyl 5-Bromothiophene-2-carboxylate [5751-83-7]</p>	<p><b>A1183</b> 5g 25g</p>  <p>2-Acetyl-5-bromothiophene [5370-25-2]</p>	<p><b>B4204</b> 1g</p>  <p>2-Bromo-5-cyanothiophene [2160-62-5]</p>
<p><b>B4212</b> 1g 5g</p>  <p>4-Bromo-2-cyanothiophene [18791-99-6]</p>	<p><b>B2862</b> 1g 5g</p>  <p>5-Bromo-2-thiopheneboronic Acid [162607-17-2]</p>	<p><b>B2793</b> 5g 25g</p>  <p>5-Bromo-2-thiophenesulfonamide [53595-65-6]</p>	<p><b>B2878</b> 1g 5g 25g</p>  <p>5-Bromo-2-thiophenesulfonyl Chloride [55854-46-1]</p>	<p><b>B4855</b> 1g 5g</p>  <p>2-Bromo-5-(trimethylsilyl)thiophene [18246-28-1]</p>
<p><b>B4856</b> 200mg 1g</p>  <p>4-Bromo-2-(trimethylsilyl)thiophene [77998-61-9]</p>	<p><b>D1548</b> 5g 25g</p>  <p>2,3-Dibromothiophene [3140-93-0]</p>	<p><b>D4146</b> 1g 5g</p>  <p>2,4-Dibromothiophene [3140-92-9]</p>	<p><b>D1549</b> 25g 100g</p>  <p>2,5-Dibromothiophene [3141-27-3]</p>	<p><b>D1676</b> 5g 25g</p>  <p>3,4-Dibromothiophene [3141-26-2]</p>
<p><b>D4376</b> 1g</p>  <p>2,5-Dibromothiophene 1,1-Dioxide [89088-95-9]</p>	<p><b>D4304</b> 5g 25g</p>  <p>2,5-Dibromo-3-methylthiophene [13191-36-1]</p>	<p><b>D3999</b> 5g 25g</p>  <p>3,5-Dibromo-2-methylthiophene [29421-73-6]</p>	<p><b>D3896</b> 5g 25g</p>  <p>2,5-Dibromo-3-hexylthiophene [116971-11-0]</p>	<p><b>D4053</b> 5g</p>  <p>2,5-Dibromo-3-n-octylthiophene [149703-84-4]</p>
<p><b>D4572</b> 5g 25g</p>  <p>2,5-Dibromo-3-decylthiophene [158956-23-1]</p>	<p><b>D4031</b> 5g</p>  <p>2,5-Dibromo-3-dodecylthiophene [148256-63-7]</p>	<p><b>D4582</b> 1g 5g</p>  <p>2,5-Dibromothiophene-3-carboxylic Acid [7311-70-8]</p>	<p><b>D2371</b> 1g 5g</p>  <p>2,5-Dibromo-3,4-dinitrothiophene [52431-30-8]</p>	<p><b>T0956</b> 25g 250g</p>  <p>2,3,5-Tribromothiophene [3141-24-0]</p>

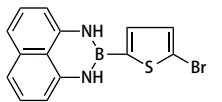
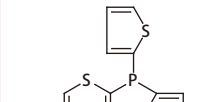
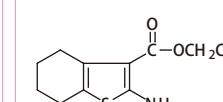
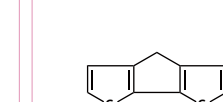
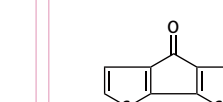
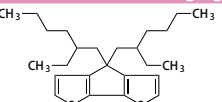
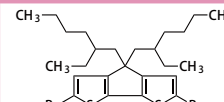
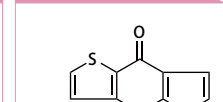

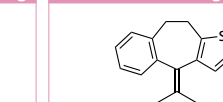
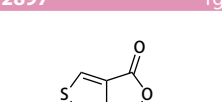
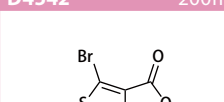
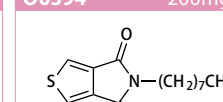

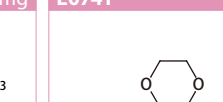
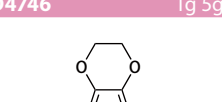
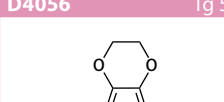
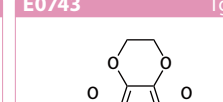
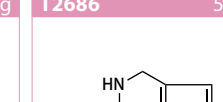
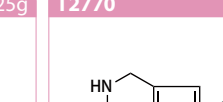
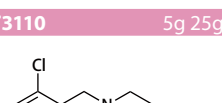
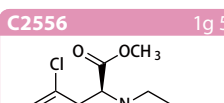
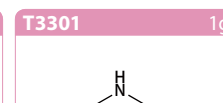
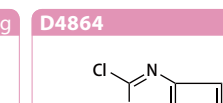
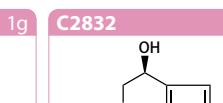
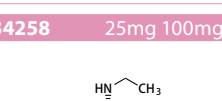
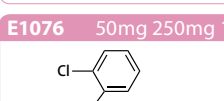
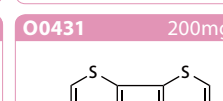
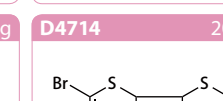




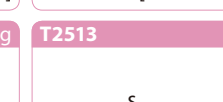


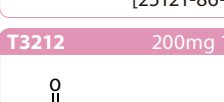

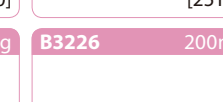
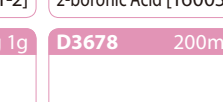
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<p><b>B4586</b> 1g</p>  <p>2-Bromo-3-dodecyl-5-iodothiophene [306769-48-2]</p>	<p><b>I0374</b> 25g</p>  <p>2-Iodothiophene [3437-95-4]</p>	<p><b>I0380</b> 1g 5g</p>  <p>3-Iodothiophene [10486-61-0]</p>	<p><b>I0445</b> 1g 5g</p>  <p>3-Iodo-2,4,5-trimethylthiophene [60813-84-5]</p>	<p><b>D2611</b> 5g 25g</p>  <p>2,5-Diiodothiophene [625-88-7]</p>
<p><b>其它单噻吩类</b> Other Monothiophenes</p>				
<p><b>T0223</b> 25mL 500mL</p>  <p>Thiophene [110-02-1]</p>	<p><b>T0725</b> 25mL 100mL 500mL</p>  <p>2-Thiophenecarboxaldehyde [98-03-3]</p>	<p><b>T0864</b> 5g 25g</p>  <p>3-Thiophenecarboxaldehyde [498-62-4]</p>		
<p><b>T1112</b> 25g 100g 500g</p>  <p>2-Thiophenemethanol [636-72-6]</p>	<p><b>T1660</b> 5g 25g</p>  <p>3-Thiophenemethanol [71637-34-8]</p>	<p><b>T0218</b> 25g 250g</p>  <p>2-Thenoic Acid [527-72-0]</p>	<p><b>T1084</b> 5g 25g</p>  <p>3-Thenoic Acid [88-13-1]</p>	<p><b>T0177</b> 25g 100g 500g</p>  <p>2-Thenoyl Chloride [5271-67-0]</p>
<p><b>T1252</b> 5g</p>  <p>2-Thiophenecarboxamide [5813-89-8]</p>	<p><b>T1140</b> 10g</p>  <p>2-Thiophenecarboxylic Hydrazide [2361-27-5]</p>	<p><b>T1139</b> 5g 25g</p>  <p>Methyl 2-Thiophenecarboxylate [5380-42-7]</p>	<p><b>T0904</b> 10mL 25mL</p>  <p>Ethyl 2-Thiophenecarboxylate [2810-04-0]</p>	<p><b>M2627</b> 5g 25g</p>  <p>Methyl Thiophene-3-carboxylate [22913-26-4]</p>
<p><b>T1964</b> 1g 5g</p>  <p>Butyl 3-Thiophenecarboxylate [317385-62-9]</p>	<p><b>D4011</b> 5g</p>  <p>3-(Dimethylamino)-1-(2-thienyl)-1-propanone Hydrochloride [5424-47-5]</p>	<p><b>C2312</b> 1g 5g</p>  <p>CuTC [68986-76-5]</p>	<p><b>A0724</b> 25g 100g 500g</p>  <p>2-Acetylthiophene [88-15-3]</p>	<p><b>A1006</b> 10g 25g</p>  <p>3-Acetylthiophene [1468-83-3]</p>
<p><b>P1097</b> 25g 250g</p>  <p>2-Propionylthiophene [13679-75-9]</p>	<p><b>C1088</b> 10g</p>  <p>Cyclopropyl 2-Thienyl Ketone [6193-47-1]</p>	<p><b>T0438</b> 25g 500g</p>  <p>2-Thenyltrifluoroacetone [326-91-0]</p>	<p><b>T2121</b> 5g 25g</p>  <p>2-Cyanothiophene [1003-31-2]</p>	<p><b>C1344</b> 5g 25g</p>  <p>3-Cyanothiophene [1641-09-4]</p>
<p><b>A2419</b> 5g 25g</p>  <p>2-(Aminomethyl)thiophene [27757-85-3]</p>	<p><b>T2613</b> 1g 5g</p>  <p>2-Thiophenemethanethiol [6258-63-5]</p>	<p><b>E0915</b> 1g 5g</p>  <p>2-Ethynylthiophene [4298-52-6]</p>	<p><b>E0892</b> 1g 5g</p>  <p>3-Ethynylthiophene [67237-53-0]</p>	<p><b>T3189</b> 1g 5g</p>  <p>2-(Trimethylsilylethynyl)thiophene [40231-03-6]</p>

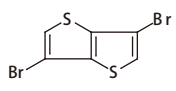
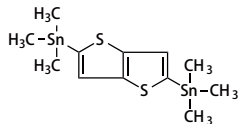
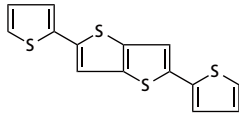
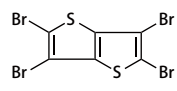
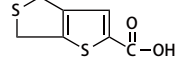
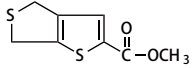
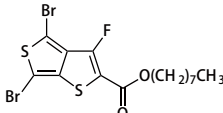
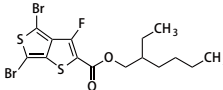
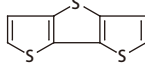
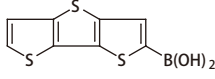
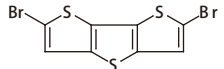
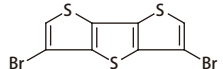
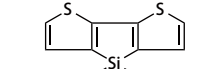
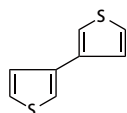
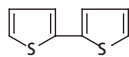
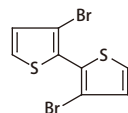
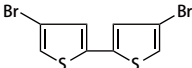
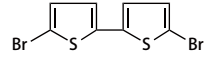
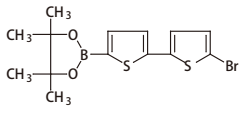
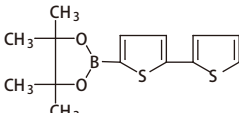
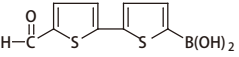
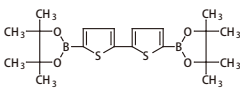
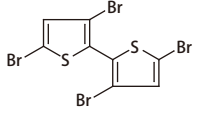
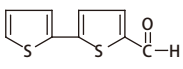
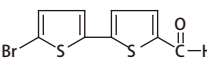
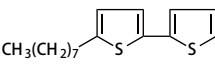
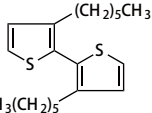
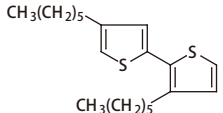
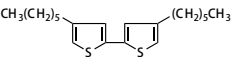
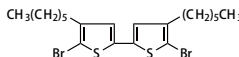
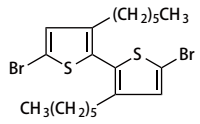
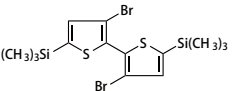
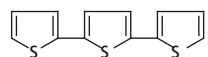
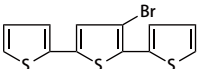
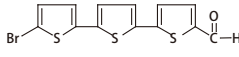
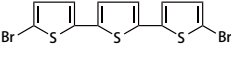
<p><b>T3190</b> 1g 5g</p>  <p>3-(Trimethylsilylethynyl)-thiophene [130995-13-0]</p>	<p><b>N0787</b> 5g 25g</p>  <p>2-(2-Nitrovinyl)thiophene [874-84-0]</p>	<p><b>T0799</b> 5mL 25mL</p>  <p>2-Thienylacetonitrile [20893-30-5]</p>	<p><b>T1193</b> 5g</p>  <p>Thiophene-3-acetonitrile [13781-53-8]</p>	<p><b>T1021</b> 25mL 250mL</p>  <p>2-Thiopheneethanol [5402-55-1]</p>
<p><b>T1475</b> 5g 25g</p>  <p>3-Thiopheneethanol [13781-67-4]</p>	<p><b>T0217</b> 25g</p>  <p>2-Thienylacetic Acid [1918-77-0]</p>	<p><b>T1152</b> 5g 25g</p>  <p>3-Thienylacetic Acid [6964-21-2]</p>	<p><b>T1751</b> 25g 250g</p>  <p>2-Thienylacetyl Chloride [39098-97-0]</p>	<p><b>A1637</b> 25g 250g</p>  <p>2-(2-Thienyl)ethylamine [30433-91-1]</p>
<p><b>T3064</b> 5g 25g</p>  <p>2-(2-Thienyl)ethyl <i>p</i>-Toluenesulfonate [40412-06-4]</p>	<p><b>T1138</b> 5g 25g</p>  <p>2-Thiopheneacrylic Acid [15690-25-2]</p>	<p><b>T1354</b> 5g 25g</p>  <p>3-Thiophenemalonic Acid [21080-92-2]</p>	<p><b>D4009</b> 1g 5g</p>  <p>3-(Dimethylamino)-1-(2-thienyl)-1-propanol [13636-02-7]</p>	<p><b>D4010</b> 1g 5g</p>  <p>(<i>S</i>)-3-(Dimethylamino)-1-(2-thienyl)-1-propanol [132335-44-5]</p>
<p><b>M2157</b> 5g 25g</p>  <p>(<i>S</i>)-3-(Methylamino)-1-(2-thienyl)-1-propanol [116539-55-0]</p>	<p><b>M1030</b> 5g 25g</p>  <p>2-Methoxythiophene [16839-97-7]</p>	<p><b>M1093</b> 1g 5g 25g</p>  <p>3-Methoxythiophene [17573-92-1]</p>	<p><b>T1680</b> 5g</p>  <p>2-Thiophenethiol [7774-74-5]</p>	<p><b>T2851</b> 1g 5g</p>  <p>2-Thiophenesulfonamide [6339-87-3]</p>
<p><b>B4330</b> 1g 5g</p>  <p><i>N</i>-<i>tert</i>-Butyl-2-thiophenesulfonamide [100342-30-1]</p>	<p><b>T2122</b> 5g 25g</p>  <p>2-Thiophenesulfonyl Chloride [16629-19-9]</p>	<p><b>N0407</b> 5g 25g</p>  <p>2-Nitrothiophene (contains 3-Nitrothiophene) [609-40-5]</p>	<p><b>T1772</b> 1g 5g 25g</p>  <p>2-Thiopheneboronic Acid [6165-68-0]</p>	<p><b>T1975</b> 1g 5g</p>  <p>3-Thiopheneboronic Acid [6165-69-1]</p>
<p><b>T2924</b> 1g 5g</p>  <p>2-Thiopheneboronic Acid Pinacol Ester [193978-23-3]</p>	<p><b>P1828</b> 1g 5g</p>  <p>Potassium 2-Thienyltrifluoroborate [906674-55-3]</p>	<p><b>T1706</b> 5g</p>  <p>2-Trimethylsilylthiophene [18245-28-8]</p>	<p><b>T1798</b> 5g 25g</p>  <p>Tributyl(2-thienyl)tin [54663-78-4]</p>	<p><b>T2388</b> 1g 5g</p>  <p>2,3-Thiophenedicarboxaldehyde [932-41-2]</p>
<p><b>T2347</b> 5g 25g</p>  <p>2,5-Thiophenedicarboxylic Acid [4282-31-9]</p>	<p><b>T2280</b> 1g</p>  <p>3,4-Thiophenedicarboxylic Acid [4282-29-5]</p>	<p><b>F0336</b> 1g 5g</p>  <p>5-Formylthiophenoic Acid [4565-31-5]</p>	<p><b>A2746</b> 5g 25g</p>  <p>2-Acetyl-5-cyanothiophene [88653-55-8]</p>	<p><b>B4240</b> 1g 5g</p>  <p>2,5-Bis(trimethylsilyl)ethynylthiophene [79109-69-6]</p>
<p><b>A2488</b> 5g</p>  <p>2-Amino-3-cyanothiophene [4651-82-5]</p>	<p><b>A2364</b> 5g 25g</p>  <p>5-Acetyl-2-thiopheneboronic Acid [206551-43-1]</p>	<p><b>N0940</b> 5g 25g</p>  <p>5-Nitro-2-thiophenoic Acid [6317-37-9]</p>	<p><b>A1039</b> 25g 100g</p>  <p>Methyl 3-Amino-2-thiophenecarboxylate [22288-78-4]</p>	<p><b>M1404</b> 5g</p>  <p>2-Carbomethoxy-3-thiophenesulfonyl Chloride [59337-92-7]</p>

<b>F0549</b> 1g 5g  5-Formyl-2-thiopheneboronic Acid [4347-33-5]	<b>M2448</b> 1g  2-Formyl-5-(methylthio)-thiophene [24445-35-0]	<b>A1315</b> 5g  3-Acetyl-2-(methylaminosulfonyl)-thiophene [138891-01-7]	<b>D2728</b> 1g 5g  3,4-Dimethoxythiophene [51792-34-8]	<b>D2378</b> 100mg 1g  3,4-Diaminothiophene Dihydrochloride [90069-81-1]
<b>D3682</b> 1g 5g  Dimethyl 3,4-Dihydroxy-2,5-thiophenedicarboxylate [58416-04-9]	<b>E0980</b> 5g 25g  Ethyl 5-Amino-4-cyano-3-(2-ethoxycarbonylmethyl)thiophene-2-carboxylate [58168-20-0]	<b>S0938</b> 1g  Strontium Ranelate [135459-87-9]		
<b>苯并噻吩类</b> <b>Benzothiophenes</b>				
<b>M1429</b> 1g  2-Methylthianaphthene [1195-14-8]	<b>M1952</b> 1g 5g  3-Methylbenzo[b]thiophene [1455-18-1]	<b>B3777</b> 5g  2-Formylbenzo[b]thiophene [3541-37-5]	<b>B4086</b> 1g 5g  3-Formylbenzo[b]thiophene [5381-20-4]	<b>B4628</b> 1g 5g  Benzo[b]thiophene-2-methanol [17890-56-1]
<b>B2033</b> 1g  Benzo[b]thiophene-2-carboxylic Acid [6314-28-9]	<b>B4650</b> 200mg 1g  Benzo[b]thiophene-3-carboxylic Acid [5381-25-9]	<b>B4637</b> 1g 5g  Benzo[b]thiophene-2-carbonyl Chloride [39827-11-7]	<b>A1497</b> 5g 25g  2-Acetylbenzo[b]thiophene [22720-75-8]	<b>B2893</b> 1g 5g 25g  Benzo[b]thiophene-2-boronic Acid [98437-23-1]
<b>B4774</b> 1g 5g  Benzo[b]thiophene-3-boronic Acid [113893-08-6]	<b>M2345</b> 5g 25g  6-Methoxy-2-(4-methoxyphenyl)benzo[b]thiophene [63675-74-1]	<b>B3561</b> 1g  2-(2-Pyridyl)benzo[b]thiophene [38210-35-4]	<b>C2457</b> 5g 25g  5-Chloro-3-methylbenzo[b]thiophene [19404-18-3]	<b>B3147</b> 1g 5g  3-(Bromomethyl)-5-chlorobenzo[b]thiophene [1198-51-2]
<b>C2444</b> 1g 5g  3-Chlorobenzo[b]thiophene-2-carboxylic Acid [21211-22-3]	<b>C2286</b> 1g  3-Chlorobenzo[b]thiophene-2-carbonyl Chloride [21815-91-8]	<b>B2287</b> 100mg 1g  1,2-Bis[2-methylbenzo[b]thiophen-3-yl]3,3,4,4,5,5-hexafluoro-1-cyclopentene [137814-07-4]	<b>D0148</b> 5g 25g  Dibenzothiophene [132-65-0]	<b>D4153</b> 5g 25g  Dibenzosulfolane [1016-05-3]
<b>B3525</b> 5g 25g  2-Bromodibenzothiophene [22439-61-8]	<b>B4449</b> 1g 5g  4-Bromodibenzothiophene [97511-05-2]	<b>I0973</b> 200mg 1g  2-Iododibenzothiophene [177586-41-3]	<b>I0947</b> 1g 5g  4-Iododibenzothiophene [132034-89-0]	<b>D4777</b> 1g 5g  Dibenzothiophene-2-carbox-aldehyde [22099-23-6]

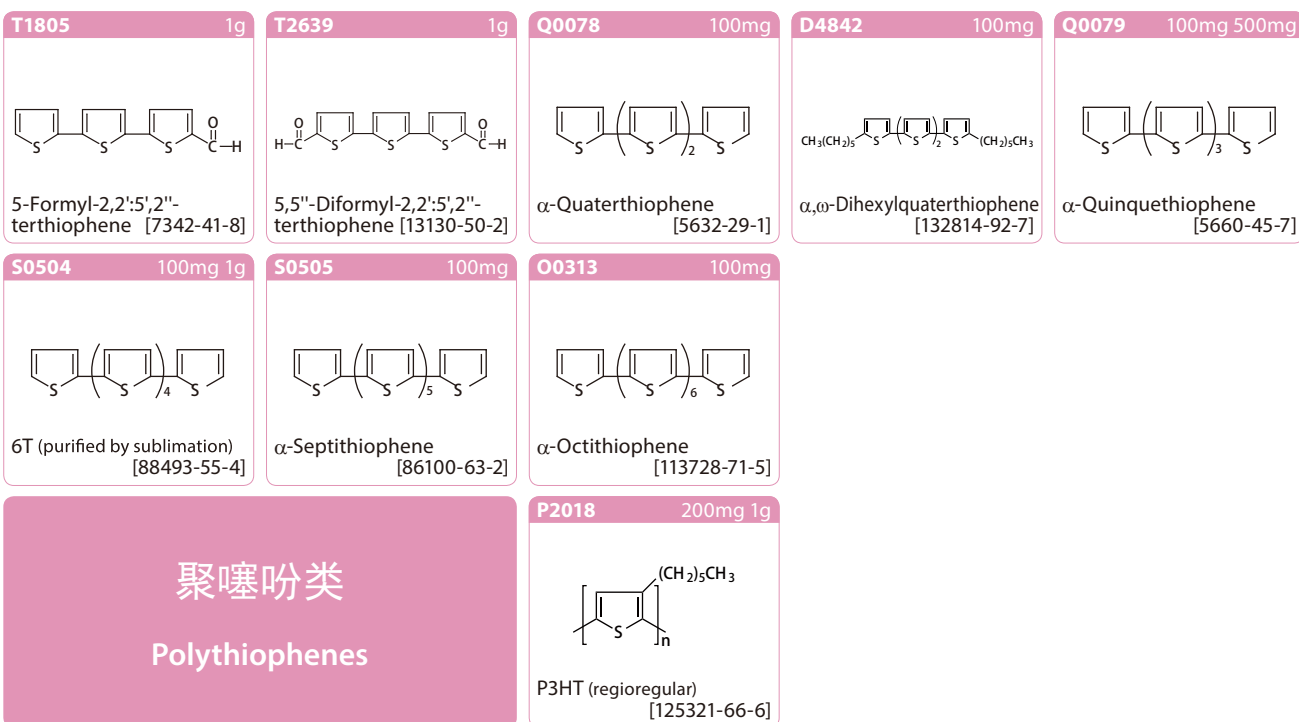
<p><b>D4767</b> 1g 5g</p>  <p>Dibenzothiophene-4-carboxaldehyde [23985-81-1]</p>	<p><b>D4373</b> 1g 5g</p>  <p>Dibenzothiophene-2-boronic Acid [668983-97-9]</p>	<p><b>D4057</b> 1g 5g</p>  <p>Dibenzothiophene-4-boronic Acid [108847-20-7]</p>	<p><b>T3236</b> 1g 5g</p>  <p>4-Dibenzothiopheneboronic Acid Pinacol Ester [912824-84-1]</p>	<p><b>D2223</b> 100mg</p>  <p>2,8-Dimethyldibenzothiophene [1207-15-4]</p>
<p><b>D2245</b> 1g 5g 25g</p>  <p>2,8-Dibromodibenzothiophene [31574-87-5]</p>	<p><b>D4274</b> 200mg</p>  <p>3,7-Dibromodibenzothiophene [83834-10-0]</p>	<p><b>D4822</b> 200mg 1g</p>  <p>4,6-Dibromodibenzothiophene [669773-34-6]</p>	<p><b>B4904</b> 200mg 1g</p>  <p>2-Bromo-8-iododibenzothiophene [1206544-88-8]</p>	<p><b>D4870</b> 200mg 1g</p>  <p>2,8-Diiododibenzothiophene [105404-91-9]</p>
<p><b>T1419</b> 25g</p>  <p><i>o</i>-Tolidine Sulfone (contains 2,6-Dimethyl isomer) [55011-44-4]</p>	<p><b>B4951</b> 1g 5g</p>  <p>Benzo[<i>b</i>]naphtho[1,2-<i>d</i>]thiophene [205-43-6]</p>	<p><b>B4942</b> 200mg 1g</p>  <p>DCzDBT [913738-04-2]</p>	<p><b>B3464</b> 1g 5g</p>  <p>Benzo[1,2-<i>b</i>:4,5-<i>b'</i>]dithiophene [267-65-2]</p>	<p><b>D3954</b> 1g 5g</p>  <p>2,6-Dibromobenzo[1,2-<i>b</i>:4,5-<i>b'</i>]dithiophene [909280-97-3]</p>
<p><b>B4158</b> 1g</p>  <p>Benzo[1,2-<i>b</i>:4,5-<i>b'</i>]dithiophene-2,6-diboronic Acid Bis(pinacol) Ester [861398-06-3]</p>	<p><b>B4396</b> 200mg 1g</p>  <p>4,8-Bis-<i>n</i>-octyloxybenzo[1,2-<i>b</i>:4,5-<i>b'</i>]dithiophene [1098102-94-3]</p>	<p><b>D4621</b> 200mg</p>  <p>2,6-Dibromo-4,8-bis(<i>n</i>-octyloxy)benzo[1,2-<i>b</i>:4,5-<i>b'</i>]dithiophene [1294515-75-5]</p>	<p><b>B4378</b> 200mg</p>  <p>4,8-Bis(<i>n</i>-octyloxy)-2,6-bis(trimethylstannyl)benzo[1,2-<i>b</i>:4,5-<i>b'</i>]dithiophene [1098102-95-4]</p>	<p><b>B4487</b> 200mg 1g</p>  <p>4,8-Bis([2-butyl(<i>n</i>-octyl)oxy]benzo[1,2-<i>b</i>:4,5-<i>b'</i>]dithiophene [1321590-78-6]</p>
<p><b>B4685</b> 200mg</p>  <p>4,8-Bis(2-butyl-<i>n</i>-octyloxy)-2,6-bis(trimethylstannyl)benzo[1,2-<i>b</i>:4,5-<i>b'</i>]dithiophene [1271439-08-7]</p>	<p><b>B4437</b> 200mg</p>  <p>4,8-Bis[5-(2-ethylhexyl)thiophen-2-yl]-2,6-bis(trimethylstannyl)benzo[1,2-<i>b</i>:4,5-<i>b'</i>]dithiophene [1352642-37-5]</p>	<p><b>D3526</b> 100mg</p>  <p>DPh-BTBT [900806-58-8]</p>		
<p><b>稠环噻吩类</b> <b>Polycyclic Thiophenes</b></p>				
<p><b>P1397</b> 1g 5g</p>  <p>2-Phenylthiophene [825-55-8]</p>	<p><b>P1126</b> 1g 5g</p>  <p>3-Phenylthiophene [2404-87-7]</p>	<p><b>F0724</b> 1g 5g</p>  <p>2-(4-Fluorophenyl)thiophene [58861-48-6]</p>		
<p><b>B3663</b> 1g 5g</p>  <p>2-Bromo-5-phenylthiophene [29488-24-2]</p>	<p><b>D3228</b> 1g 5g</p>  <p>2,4-Dimethyl-5-phenylthiophene [57021-49-5]</p>	<p><b>B2677</b> 1g 5g</p>  <p>3-Bromo-2,4-dimethyl-5-phenylthiophene [362513-28-8]</p>	<p><b>D3177</b> 100mg</p>  <p>2,5-Diphenylthiophene [1445-78-9]</p>	<p><b>B3441</b> 1g 5g</p>  <p>BPiT [56316-86-0]</p>
<p><b>H1448</b> 50mg</p>  <p>AC5-Hx (purified by sublimation) [1172135-81-7]</p>	<p><b>T2866</b> 1g 5g</p>  <p>1,3,5-Tri(2-thienyl)benzene [15509-95-2]</p>	<p><b>T2200</b> 5g 25g</p>  <p>2,3,4,5-Tetraphenylthiophene [1884-68-0]</p>	<p><b>B0308</b> 25g</p>  <p>2-Benzoylthiophene [135-00-2]</p>	<p><b>M2395</b> 5g 25g</p>  <p>2-(4-Methoxybenzoyl)thiophene [4160-63-8]</p>

<p><b>E1139</b> 200mg 1g</p>  <p>Ethyl 2-Amino-5-phenylthiophene-3-carboxylate [4815-34-3]</p>	<p><b>T3175</b> 25mg 100mg</p>  <p>Tiaprofenic Acid [33005-95-7]</p>	<p><b>D2074</b> 1g 5g</p>  <p><i>trans</i>-1,2-Di(2-thienyl)ethylene [13640-78-3]</p>	<p><b>T1762</b> 1g 5g</p>  <p>2,2'-Thenoin [27761-02-0]</p>	<p><b>C0755</b> 1g 5g</p>  <p>2-Cinnamylthiophene [3988-77-0]</p>
<p><b>D2077</b> 1g 5g</p>  <p>1,4-Di(2-thienyl)-1,3-butadiene (mixture of isomers) [23354-93-0]</p>	<p><b>D3712</b> 1g 5g</p>  <p>1,4-Di(2-thienyl)-1,4-butanedione [13669-05-1]</p>	<p><b>D3774</b> 1g 5g</p>  <p>2,2'-Dithienyl Disulfide [6911-51-9]</p>	<p><b>D2289</b> 5g</p>  <p>1,3-Dimethyl-2-(2-thienyl)imidazolidine [104208-13-1]</p>	<p><b>M2138</b> 5g 25g</p>  <p>5-Methyl-2-(2-nitroanilino)-3-thiophenecarbonitrile [138564-59-7]</p>
<p><b>T3107</b> 200mg</p>  <p>4-(2-Thienyl)piperidine [198334-38-2]</p>	<p><b>H1550</b> 200mg 1g</p>  <p>5-(4-Hydroxypiperidin-1-yl)thiophene-2-carboxaldehyde [207290-72-0]</p>	<p><b>T2936</b> 5g 25g</p>  <p>2-(2-Thienyl)pyridine [3319-99-1]</p>	<p><b>T1151</b> 5g</p>  <p>2-(3-Thienyl)pyridine [21298-55-5]</p>	<p><b>T3055</b> 200mg 1g</p>  <p>3-(2-Thienyl)pyridine [21298-53-3]</p>
<p><b>D3876</b> 1g</p>  <p>2,5-Di(2-thienyl)-1H-pyrrole [89814-62-0]</p>	<p><b>T3080</b> 100mg</p>  <p><i>N</i>-(2-Thiophenesulfonyl)-L-prolinamide [1089663-51-3]</p>	<p><b>T3165</b> 50mg 250mg</p>  <p>Tiagabine Hydrochloride [145821-59-6]</p>	<p><b>T3166</b> 1g 5g</p>  <p>Thifensulfuron-methyl [79277-27-3]</p>	<p><b>D4487</b> 200mg 1g</p>  <p>4,7-Di(2-thienyl)-2,1,3-benzothiazole [165190-76-1]</p>
<p><b>B3886</b> 100mg 1g</p>  <p>4,7-Bis(5-bromo-2-thienyl)-2,1,3-benzothiadiazole [288071-87-4]</p>	<p><b>B4453</b> 200mg</p>  <p>4,7-Bis(5-trimethylstannyl-2-thienyl)-2,1,3-benzothiadiazole [1025451-57-3]</p>	<p><b>B4683</b> 200mg</p>  <p>4,7-Bis(5-<i>n</i>-octyl-2-thienyl)-2,1,3-benzothiadiazole [1171974-28-9]</p>	<p><b>B4684</b> 200mg</p>  <p>4,7-Bis(5-bromo-4-<i>n</i>-octyl-2-thienyl)-2,1,3-benzothiadiazole [457931-23-6]</p>	<p><b>B4719</b> 200mg</p>  <p>4,7-Bis(5-bromo-4-dodecyl-2-thienyl)-2,1,3-benzothiadiazole [1179993-72-6]</p>
<p><b>B4542</b> 100mg</p>  <p>4,7-Bis(5-bromo-2-thienyl)-2-<i>n</i>-octyl-2H-benzotriazole [1254062-41-3]</p>	<p><b>T3050</b> 1g 5g</p>  <p>Tris[4-(2-thienyl)phenyl]amine [142807-63-4]</p>	<p><b>T3315</b> 200mg</p>  <p>Tris[4-(5-bromothiophen-2-yl)phenyl]amine [339985-36-3]</p>	<p><b>B0325</b> 100mg 1g</p>  <p>2,3-Diphenyl-5-(2-thienyl)-2,2'-bipyridyl tetrazolium Chloride [38800-20-3]</p>	<p><b>D3969</b> 1g 5g</p>  <p>3,6-Di(2-thienyl)-2,5-dihydropyrrolo[3,4-<i>c</i>]pyrrole-1,4-dione [850583-75-4]</p>
<p><b>B4419</b> 200mg</p>  <p>3,6-Bis(5-bromo-2-thienyl)-2,5-di-<i>n</i>-octylpyrrolo[3,4-<i>c</i>]pyrrole-1,4-dione [1057401-13-4]</p>	<p><b>B1554</b> 5g 25g</p>  <p>2,5-Bis(5-<i>tert</i>-butyl-2-benzoxazolyl)thiophene [7128-64-5]</p>	<p><b>B4221</b> 1g 5g</p>  <p>2,5-Bis(5-<i>tert</i>-butyl-2-benzoxazolyl)thiophene (purified by sublimation) [7128-64-5]</p>	<p><b>B4420</b> 200mg</p>  <p>4,4'-Bis(5-hexyl-2-thienyl)-2,2'-bipyridyl [1047684-56-9]</p>	<p><b>A2897</b> 5mg</p>  <p><i>N</i>-(2-Aminophenyl)-4-(1-[2-(3-thienyl)ethyl]-1H-1,2,3-triazol-4-yl)benzamide [1451042-18-4]</p>
<p><b>E1161</b> 200mg 1g</p>  <p>Eprosartan Mesylate [144143-96-4]</p>	<p><b>T3159</b> 1g</p>  <p>Triphenyl(2-thienylmethyl)phosphonium Bromide [23259-98-5]</p>	<p><b>T2049</b> 5g 25g</p>  <p>2-(2-Thienyl)-1,3-dioxolane [58268-08-9]</p>	<p><b>T2623</b> 5g</p>  <p>2-(3-Thienyl)-1,3-dioxolane [13250-82-3]</p>	<p><b>D3759</b> 25g</p>  <p>5-(Thienyl)meldrum's Acid [61857-83-8]</p>

<p><b>B3868</b> 1g 5g</p>  <p>2-(5-Bromo-2-thienyl)-2,3-dihydro-1H-naphtho[1,8-de][1,3,2]diazaborine [927384-46-1]</p>	<p><b>T1666</b> 1g 5g</p>  <p>Tri(2-thienyl)phosphine [24171-89-9]</p>	<p><b>A1355</b> 10g</p>  <p>2-Amino-3-carbethoxy-4,5-tetramethylenethiophene [4506-71-2]</p>	<p><b>C3021</b> 200mg 1g</p>  <p>4H-Cyclopenta[2,1-b:3,4-b']dithiophene [389-58-2]</p>	<p><b>C2715</b> 200mg</p>  <p>4H-Cyclopenta[1,2-b:5,4-b']dithiophen-4-one [25796-77-4]</p>
<p><b>B4102</b> 1g 5g</p>  <p>4,4-Bis(2-ethylhexyl)-4H-cyclopenta[2,1-b:3,4-b']dithiophene [365547-20-2]</p>	<p><b>D4568</b> 200mg</p>  <p>2,6-Dibromo-4,4-bis(2-ethylhexyl)-4H-cyclopenta[2,1-b:3,4-b']dithiophene [365547-21-3]</p>	<p><b>B3793</b> 1g 5g</p>  <p>Benzo[1,2-b:4,5-b']dithiophene-4,8-dione [32281-36-0]</p>	<p><b>D4412</b> 200mg 1g</p>  <p>9,10-Dihydro-9,10-[3,4]thiophenoanthracene [42490-26-6]</p>	<p><b>P2344</b> 50mg 200mg</p>  <p>Pizotifen [15574-96-6]</p>
<p><b>T2897</b> 1g</p>  <p>3,4-Thiophenedicarboxylic Anhydride [6007-85-8]</p>	<p><b>D4542</b> 200mg</p>  <p>4,6-Dibromothieno[3,4-c]furan-1,3-dione [1015423-45-6]</p>	<p><b>O0394</b> 200mg 1g</p>  <p>N-n-Octyl-3,4-thiophenedicarboximide [773881-43-9]</p>	<p><b>D4219</b> 200mg</p>  <p>2,5-Dibromo-N-n-octyl-3,4-thiophenedicarboximide [566939-58-0]</p>	<p><b>E0741</b> 5g 25g</p>  <p>3,4-Ethylenedioxythiophene [126213-50-1]</p>
<p><b>D4746</b> 1g 5g</p>  <p>2,5-Dichloro-3,4-ethylenedioxythiophene [225518-49-0]</p>	<p><b>D4056</b> 1g 5g</p>  <p>2,5-Dibromo-3,4-ethylenedioxythiophene [174508-31-7]</p>	<p><b>E0743</b> 1g 5g</p>  <p>3,4-Ethylenedioxythiophene-2,5-dicarboxylic Acid [18361-03-0]</p>	<p><b>T2686</b> 5g 25g</p>  <p>4,5,6,7-Tetrahydrothieno[3,2-c]pyridine [54903-50-3]</p>	<p><b>T2770</b> 5g 25g</p>  <p>4,5,6,7-Tetrahydrothieno[3,2-c]pyridine Hydrochloride [28783-41-7]</p>
<p><b>T3110</b> 5g 25g</p>  <p>Ticlopidine Hydrochloride [53885-35-1]</p>	<p><b>C2556</b> 1g 5g</p>  <p>(S)-(-)-Clopidogrel Sulfate [120202-66-6]</p>	<p><b>T3301</b> 1g 5g</p>  <p>Thieno[3,2-d]pyrimidin-4(1H)-one [16234-10-9]</p>	<p><b>D4864</b> 1g</p>  <p>2,4-Dichlorothieno[3,2-d]pyrimidine [16234-14-3]</p>	<p><b>C2832</b> 1g 5g</p>  <p>(S)-6-Chloro-4-hydroxy-3,4-dihydro-2H-thieno[3,2-e][1,2]thiazine 1,1-Dioxide [160982-16-1]</p>
<p><b>B4258</b> 25mg 100mg</p>  <p>Brinzolamide [138890-62-7]</p>	<p><b>E1076</b> 50mg 250mg 1g</p>  <p>Etizolam [40054-69-1]</p>	<p><b>O0431</b> 200mg 1g</p>  <p>4-n-Octyl-4H-dithieno[3,2-b:2',3'-d]pyrrole [141029-75-6]</p>	<p><b>D4714</b> 200mg</p>  <p>2,6-Dibromo-4-n-octyl-dithieno[3,2-b:2',3'-d]pyrrole [1346688-54-7]</p>	<p><b>T2729</b> 1g 5g</p>  <p>1,6-Dithiapentalene [250-84-0]</p>
<p><b>B3692</b> 1g</p>  <p>2-Bromothieno[2,3-b]thiophene [25121-81-7]</p>	<p><b>D4032</b> 1g</p>  <p>2,5-Dibromothieno[2,3-b]thiophene [25121-86-2]</p>	<p><b>D4033</b> 1g</p>  <p>3,4-Dibromothieno[2,3-b]thiophene [53255-78-0]</p>	<p><b>T2513</b> 1g 5g</p>  <p>Thieno[3,2-b]thiophene [251-41-2]</p>	<p><b>T2621</b> 1g</p>  <p>Thieno[3,2-b]thiophene-2-boronic Acid [160032-40-6]</p>
<p><b>T3221</b> 200mg 1g</p>  <p>2-Cyanothieno[3,2-b]thiophene [40985-58-8]</p>	<p><b>T3212</b> 200mg 1g</p>  <p>Thieno[3,2-b]thiophene-2,5-dicarboxaldehyde [37882-75-0]</p>	<p><b>T3156</b> 200mg 1g</p>  <p>Thieno[3,2-b]thiophene-2-carboxylic Acid [1723-27-9]</p>	<p><b>B3226</b> 200mg 1g</p>  <p>3-Bromothieno[3,2-b]thiophene [25121-83-9]</p>	<p><b>D3678</b> 200mg 1g 5g</p>  <p>2,5-Dibromothieno[3,2-b]thiophene [25121-87-3]</p>

<p><b>D3679</b> 200mg 1g</p>  <p>3,6-Dibromothiophene- [3,2-<i>b</i>]thiophene [392662-65-6]</p>	<p><b>B4536</b> 200mg 1g</p>  <p>2,5-Bis(trimethylstannyl)- thiophene[3,2-<i>b</i>]thiophene [469912-82-1]</p>	<p><b>D4725</b> 200mg 1g</p>  <p>2,5-Di(2-thienyl)- thiophene[3,2-<i>b</i>]thiophene [21210-90-2]</p>	<p><b>T2772</b> 1g</p>  <p>2,3,5,6-Tetrabromothiophene- [3,2-<i>b</i>]thiophene [124638-53-5]</p>	<p><b>D4071</b> 1g</p>  <p>4,6-Dihydrothiophene- [3,4-<i>b</i>]thiophene-2- carboxylic Acid [7712-05-2]</p>
<p><b>M2202</b> 1g</p>  <p>Methyl 4,6-Dihydrothiophene- [3,4-<i>b</i>]thiophene-2-carboxylate [7767-60-4]</p>	<p><b>O0436</b> 100mg</p>  <p><i>n</i>-Octyl 4,6-Dibromo-3-fluoro- thiophene[3,4-<i>b</i>]thiophene-2- carboxylate [1160823-76-6]</p>	<p><b>E1040</b> 100mg</p>  <p>2-Ethylhexyl 4,6-Dibromo-3- fluorothiophene[3,4-<i>b</i>]thiophene-2- carboxylate [1237479-38-7]</p>	<p><b>D3641</b> 200mg 1g</p>  <p>Dithieno- [3,2-<i>b</i>:2',3'-<i>d</i>]thiophene [3593-75-7]</p>	<p><b>D3823</b> 200mg 1g</p>  <p>Dithieno- [3,2-<i>b</i>:2',3'-<i>d</i>]thiophene-2- boronic Acid [183960-95-4]</p>
<p><b>D3799</b> 200mg 1g</p>  <p>2,6-Dibromodithieno- [3,2-<i>b</i>:2',3'-<i>d</i>]thiophene [67061-69-2]</p>	<p><b>D3800</b> 200mg 1g</p>  <p>3,5-Dibromodithieno- [3,2-<i>b</i>:2',3'-<i>d</i>]thiophene [502764-54-7]</p>	<p><b>D4564</b> 200mg</p>  <p>CH<sub>3</sub>(CH<sub>2</sub>)<sub>7</sub>Si(CH<sub>2</sub>)<sub>7</sub>CH<sub>3</sub> 4,4-Di-<i>n</i>-octyldithieno- [3,2-<i>b</i>:2',3'-<i>d</i>]silole [1160106-12-6]</p>	<p><b>低聚噻吩类</b> Oligothiophenes</p>	
<p><b>B3906</b> 1g</p>  <p>3,3'-Bithienyl [3172-56-3]</p>	<p><b>B1276</b> 1g 10g 25g</p>  <p>2,2'-Bithienyl [492-97-7]</p>	<p><b>D3798</b> 1g 5g 25g</p>  <p>3,3'-Dibromo-2,2'- bithiophene [51751-44-1]</p>		
<p><b>D4181</b> 1g 5g</p>  <p>4,4'-Dibromo-2,2'- bithiophene [51285-60-0]</p>	<p><b>D2755</b> 1g 5g</p>  <p>5,5'-Dibromo-2,2'- bithiophene [4805-22-5]</p>	<p><b>B3200</b> 1g</p>  <p>5'-Bromo-2,2'-bithiophene- 5-boronic Acid Pinacol Ester [578715-23-8]</p>	<p><b>T2518</b> 1g 5g 25g</p>  <p>2,2'-Bithiophene-5-boronic Acid Pinacol Ester [479719-88-5]</p>	<p><b>F0548</b> 1g</p>  <p>5'-Formyl-2,2'-bithiophene- 5-boronic Acid [1369328-62-0]</p>
<p><b>B3363</b> 5g</p>  <p>2,2'-Bithiophene-5,5'- diboronic Acid Bis(pinacol) Ester [239075-02-6]</p>	<p><b>T2699</b> 1g 5g 25g</p>  <p>3,3',5,5'-Tetrabromo-2,2'- bithiophene [125143-53-5]</p>	<p><b>B1838</b> 1g 5g 25g</p>  <p>5-Formyl-2,2'-bithiophene [3779-27-9]</p>	<p><b>B1874</b> 1g 5g</p>  <p>5-Bromo-5'-formyl-2,2'- bithiophene [110046-60-1]</p>	<p><b>O0383</b> 1g 5g</p>  <p>5-<i>n</i>-Octyl-2,2'- bithiophene [93164-73-9]</p>
<p><b>D4180</b> 1g 5g</p>  <p>3,3'-Dihexyl-2,2'-bithiophene [125607-30-9]</p>	<p><b>D3928</b> 1g 5g</p>  <p>3,4'-Dihexyl-2,2'-bithiophene [135926-93-1]</p>	<p><b>D4182</b> 200mg 1g</p>  <p>4,4'-Dihexyl-2,2'-bithiophene [135926-94-2]</p>	<p><b>D4184</b> 200mg 1g</p>  <p>5,5'-Dibromo-4,4'-dihexyl-2,2'- bithiophene [214493-03-5]</p>	<p><b>D4183</b> 1g 5g</p>  <p>5,5'-Dibromo-3,3'-dihexyl-2,2'- bithiophene [170702-05-3]</p>
<p><b>D3941</b> 1g 5g</p>  <p>3,3'-Dibromo-5,5'- bis(trimethylsilyl)-2,2'- bithiophene [207742-50-5]</p>	<p><b>T1196</b> 1g 5g</p>  <p>2,2':5',2''-Terthiophene (purified by sublimation) [1081-34-1]</p>	<p><b>B4050</b> 1g 5g</p>  <p>3-Bromo-2,5-di(2-thienyl)- thiophene [105125-00-6]</p>	<p><b>B2058</b> 100mg 1g 5g</p>  <p>5-Bromo-5''-formyl- 2,2':5',2''-terthiophene [161726-69-8]</p>	<p><b>D4050</b> 1g 5g</p>  <p>2,5-Bis(5-bromo-2-thienyl)- thiophene [98057-08-0]</p>









 **梯希爱(上海)化成工业发展有限公司**

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大包装热线：800-988-1865

传真：021-67121385

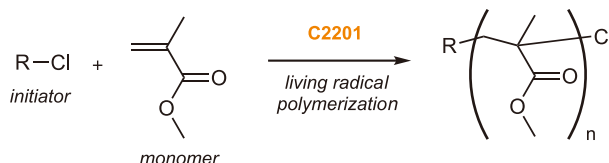
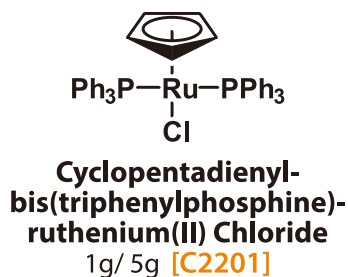
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地址：上海化学工业区普工路96号

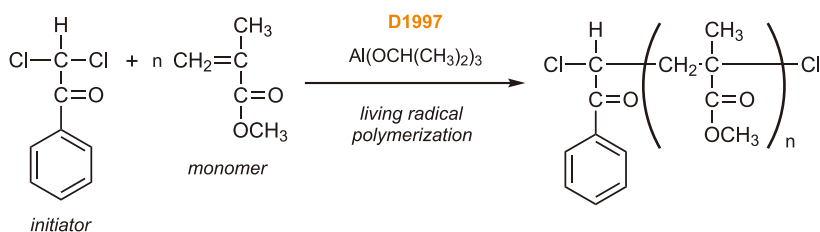
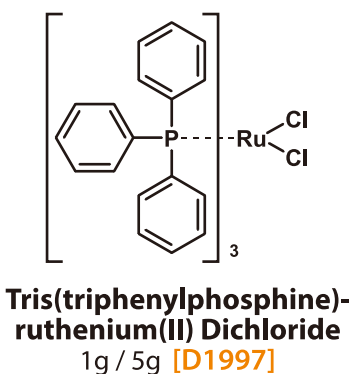
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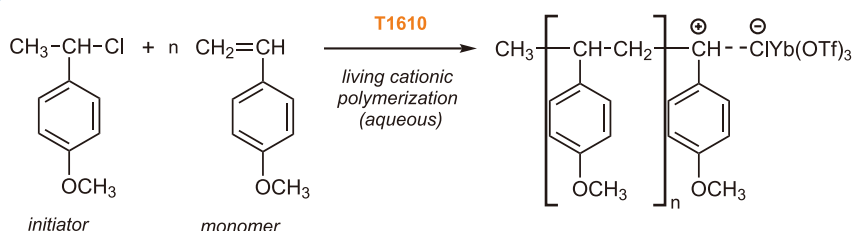
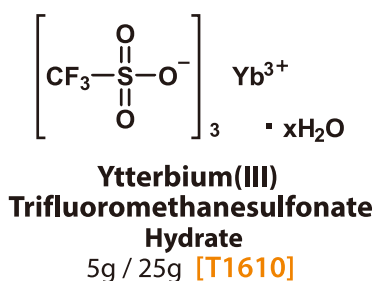
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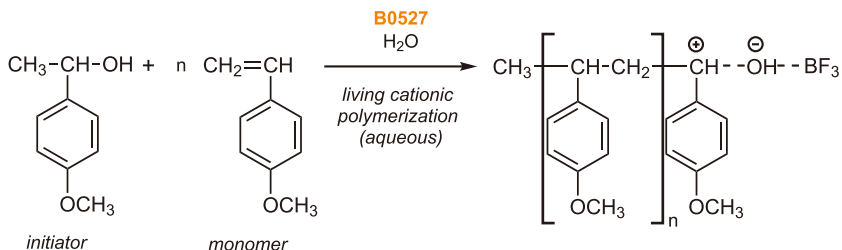
H. Takahashi, T. Ando, M. Kamigaito, M. Sawamoto, *Macromolecules* **1999**, 32, 3820.  
T. Terashima, A. Nomura, M. Ito, M. Ouchi, M. Sawamoto, *Angew. Chem. Int. Ed.* **2011**, 50, 7892



T. Ando, M. Kato, M. Kamigaito, M. Sawamoto, *Macromolecules* **1996**, 29, 1070.



K. Satoh, M. Kamigaito, M. Sawamoto, *Macromolecules* **1999**, 32, 3827.



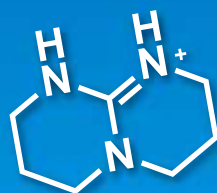
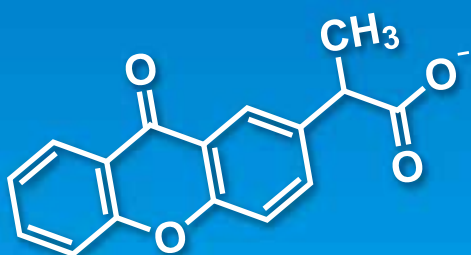
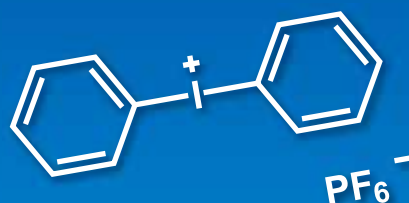
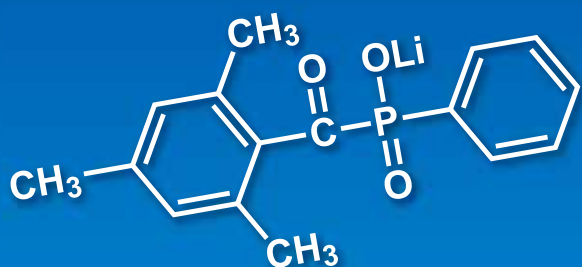
K. Satoh, J. Nakashima, M. Kamigaito, M. Sawamoto, *Macromolecules* **2001**, 34, 396.

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# 聚合引发剂

Polymerization Initiators



热聚合引发剂

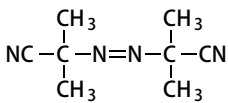
光聚合引发剂



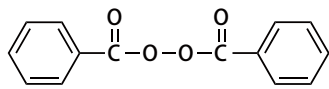
# 聚合引发剂

引发剂通常应用在自由基聚合等链增长聚合反应中，并通过光或热对引发进行调控。

热聚合引发剂是一类在热的作用下可产生自由基或阳离子的化合物。如，2,2'-偶氮双(异丁腈)(AIBN)等偶氮化合物，以及过氧化苯甲酰(BPO)等有机过氧化物都是比较常见的自由基热引发剂，苯磺酸酯和烷基铈盐则被发展成为了阳离子热引发剂。

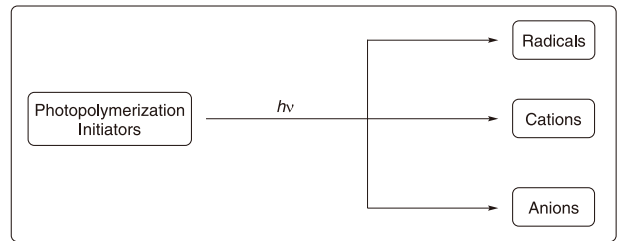


AIBN  
[A0566]



BPO  
[B3152]

光聚合引发剂被用于生成光固化复合物的众多领域。在紫外光(UV)和电子束的照射作用下，这些复合物发生聚合，从而使其物理性质发生了改变，比如溶解度、黏度，以及粘附性等。其中，液体转变为固体这一现象尤为有用，可用在涂料、印刷油墨、牙科材料、平板印刷、光刻胶等领域的表面处理技术中。



根据所形成的活性物种的不同，光聚合引发剂可以大致分为三种类型(如上图所示)。其中，传统的光聚合引发剂在光照作用下生成自由基，从而引发聚合过程。苯偶姻衍生物就是这类引发剂的典型代表。光产酸剂在光照作用下可以生成阳离子(酸)，在1990年代末被投入到实际应用中。光碱基产生剂是当前研究的热点，其在光照作用下可以生成阴离子(碱)。

## References

*The Chemistry of Radical Polymerization*, 2nd ed., ed. by G. Moad, D. H. Solomon, Elsevier B.V., Amsterdam, 2005.

*Photopolymers: Photoresist Materials, Processes, and Applications*, ed. by K. Nakamura, CRC Press, Florida, 2014.

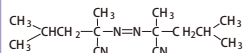
## 热聚合引发剂

### Thermal Polymerization Initiators

## 自由基热聚合引发剂

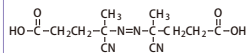
### Thermal-Radical Initiators

A0680 25g 500g



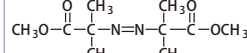
ADV N [4419-11-8]

A1671 25g 250g



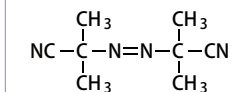
ACVA (contains ca. 20% Water) [2638-94-0]

D3797 25g



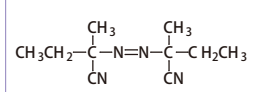
Dimethyl 2,2'-Azobis(2-methylpropionate) [2589-57-3]

A0566 25g 500g



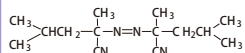
AIBN [78-67-1]

A1670 25g 500g



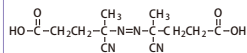
AMB N [13472-08-7]

A2735 25g



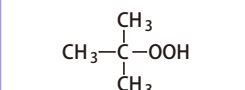
AAPH [2997-92-4]

A3012 25g 100g



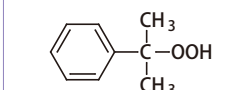
2,2'-Azobis[2-(2-imidazolyl)propane] Dihydrochloride [27776-21-2]

B3153 100g



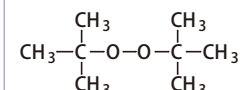
TBHP (70% in Water) [75-91-2]

C2223 100g



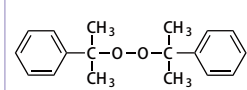
Cumene Hydroperoxide [80-15-9]

D3411 100mL



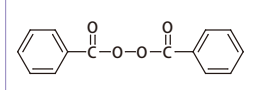
Di-tert-butyl Peroxide [110-05-4]

D4894 100g 500g



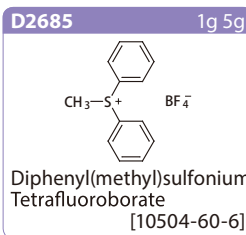
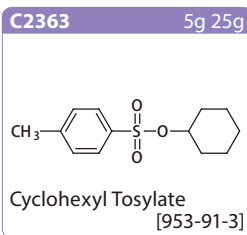
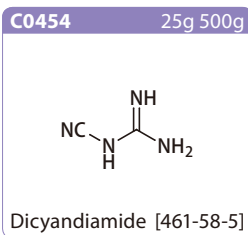
Dicumyl Peroxide (contains ca. 60% CaCO<sub>3</sub>) [80-43-3]

B3152 25g



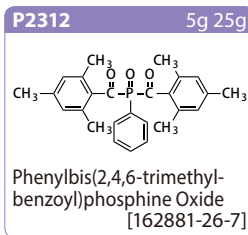
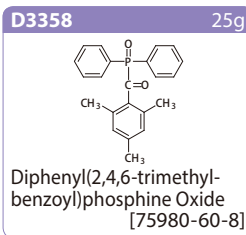
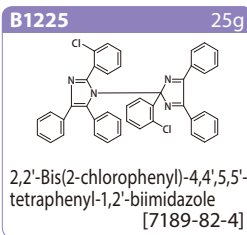
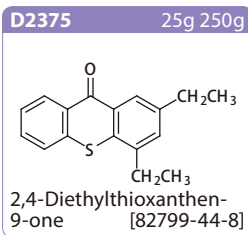
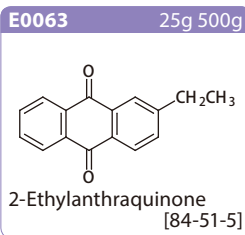
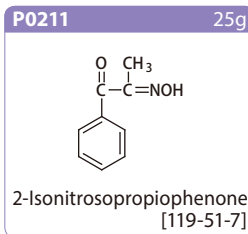
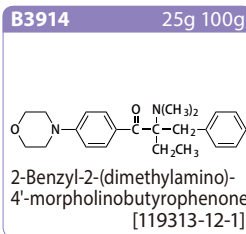
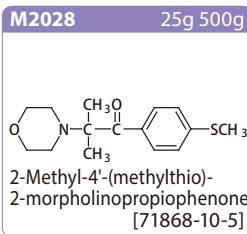
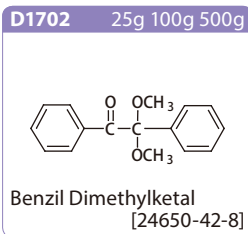
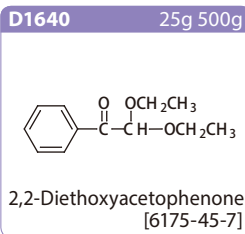
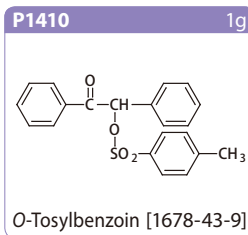
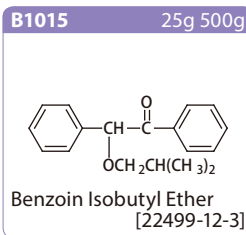
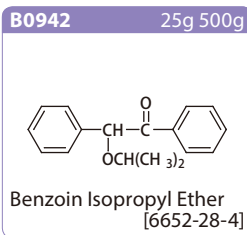
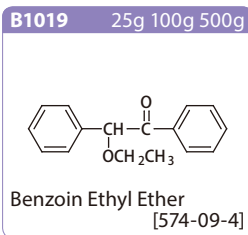
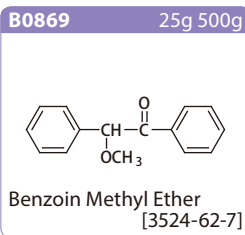
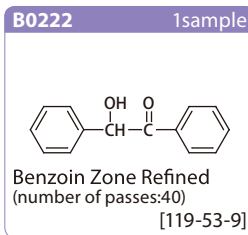
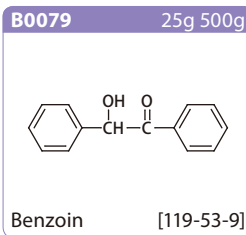
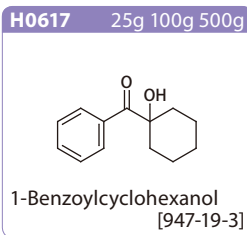
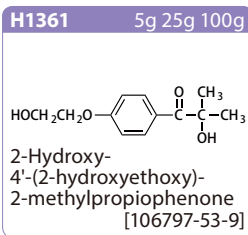
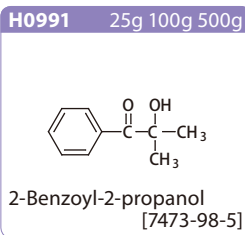
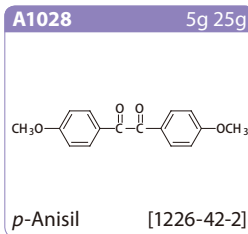
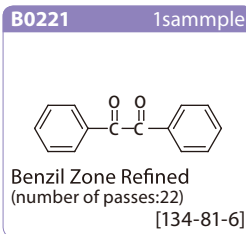
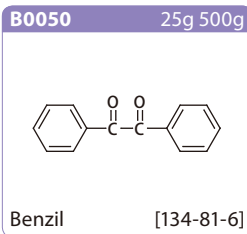
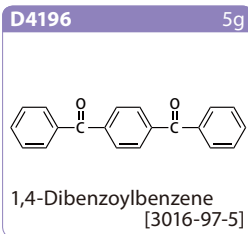
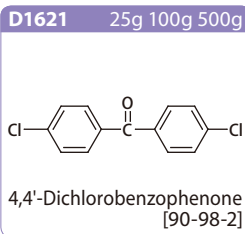
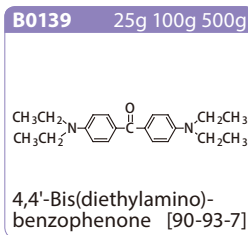
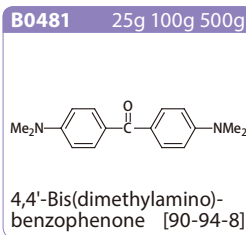
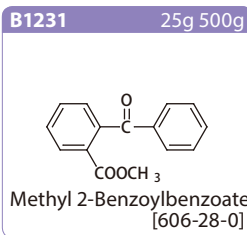
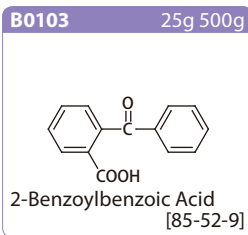
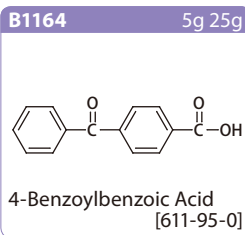
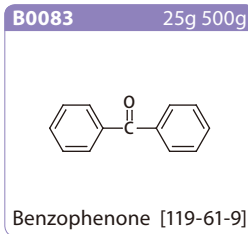
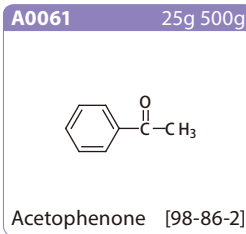
BPO (wetted with ca. 25% Water) [94-36-0]

阳离子热  
聚合引发剂  
Thermal-Cationic  
Initiators

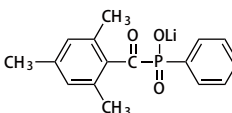
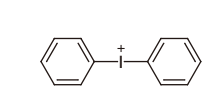
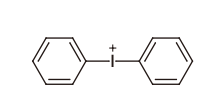
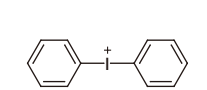
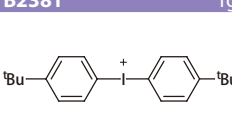
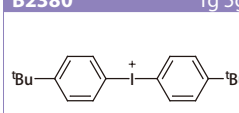
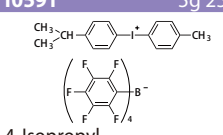
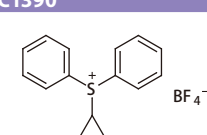
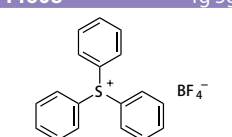
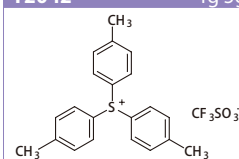
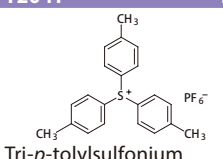
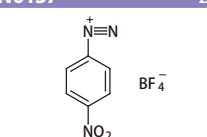
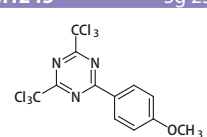
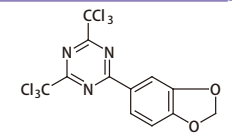
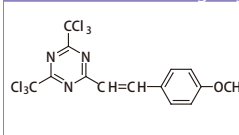
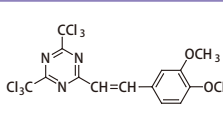
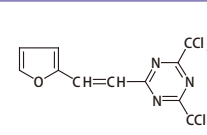
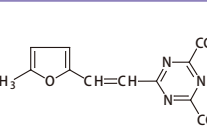
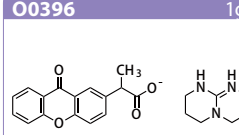
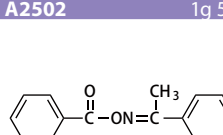
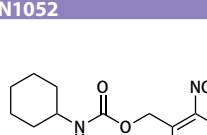
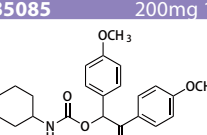
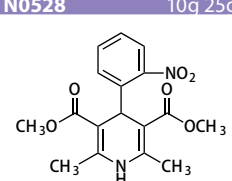


光聚合引发剂  
Photopolymerization  
Initiators

自由基光  
聚合引发剂  
Photo-Radical  
Initiators





<p><b>L0290</b> 1g</p>  <p>Lithium Phenyl-(2,4,6-trimethylbenzoyl)-phosphinate [85073-19-4]</p>	<p style="text-align: center;"><b>阳离子光 聚合引发剂</b></p> <p style="text-align: center;"><b>Photo-Cationic Initiators</b></p>	<p><b>D2253</b> 1g 5g 25g</p>  <p>Diphenyliodonium Trifluoromethanesulfonate [66003-76-7]</p>	<p><b>D2238</b> 1g 5g 25g</p>  <p>Diphenyliodonium Hexafluorophosphate [58109-40-3]</p>	<p><b>D2248</b> 1g</p>  <p>Diphenyliodonium Hexafluoroarsenate [62613-15-4]</p>
<p><b>B2381</b> 1g</p>  <p>Bis(4-tert-butylphenyl)-iodonium Triflate [84563-54-2]</p>		<p><b>B2380</b> 1g 5g</p>  <p>Bis(4-tert-butylphenyl)-iodonium Hexafluorophosphate [61358-25-6]</p>	<p><b>I0591</b> 5g 25g</p>  <p>4-Isopropyl-4'-methyl-diphenyliodonium Tetrakis(pentafluorophenyl)-borate [178233-72-2]</p>	<p><b>C1390</b> 1g</p>  <p>Cyclopropyldiphenylsulfonium Tetrafluoroborate [33462-81-6]</p>
<p><b>T1608</b> 1g 5g</p>  <p>Triphenylsulfonium Tetrafluoroborate [437-13-8]</p>	<p><b>T2042</b> 1g 5g</p>  <p>Tri-p-tolylsulfonium Triflate [127820-38-6]</p>	<p><b>T2041</b> 1g</p>  <p>Tri-p-tolylsulfonium Hexafluorophosphate [146062-15-9]</p>	<p><b>N0137</b> 25g</p>  <p>4-Nitrobenzenediazonium Tetrafluoroborate [456-27-9]</p>	<p><b>M1245</b> 5g 25g</p>  <p>2-(4-Methoxyphenyl)-4,6-bis(trichloromethyl)-1,3,5-triazine [3584-23-4]</p>
<p><b>B3633</b> 5g</p>  <p>2-(1,3-Benzodioxol-5-yl)-4,6-bis(trichloromethyl)-1,3,5-triazine [71255-78-2]</p>	<p><b>M2140</b> 5g 25g</p>  <p>2-(4-Methoxystyryl)-4,6-bis(trichloromethyl)-1,3,5-triazine [42573-57-9]</p>	<p><b>D2963</b> 5g</p>  <p>2-(3,4-Dimethoxystyryl)-4,6-bis(trichloromethyl)-1,3,5-triazine [42880-07-9]</p>	<p><b>F0362</b> 5g</p>  <p>2-[2-(Furan-2-yl)vinyl]-4,6-bis(trichloromethyl)-1,3,5-triazine [154880-05-4]</p>	<p><b>M1209</b> 5g</p>  <p>2-[2-(5-Methylfuran-2-yl)vinyl]-4,6-bis(trichloromethyl)-1,3,5-triazine [156360-76-8]</p>
<p style="text-align: center;"><b>阴离子光 聚合引发剂</b></p> <p style="text-align: center;"><b>Photo-Anionic Initiators</b></p>	<p><b>O0396</b> 1g</p>  <p>2-(9-Oxoxanthene-2-yl)propionic Acid 1,5,7-Triazabicyclo[4.4.0]dec-5-ene Salt [1346753-09-0]</p>	<p><b>A2502</b> 1g 5g</p>  <p>Acetophenone O-Benzoyloxime [26060-56-0]</p>	<p><b>N1052</b> 1g</p>  <p>2-Nitrobenzyl Cyclohexylcarbamate [119137-03-0]</p>	<p><b>B5085</b> 200mg 1g</p>  <p>1,2-Bis(4-methoxyphenyl)-2-oxoethyl Cyclohexylcarbamate [196599-80-1]</p>
<p><b>N0528</b> 10g 25g</p>  <p>Nifedipine [21829-25-4]</p>				

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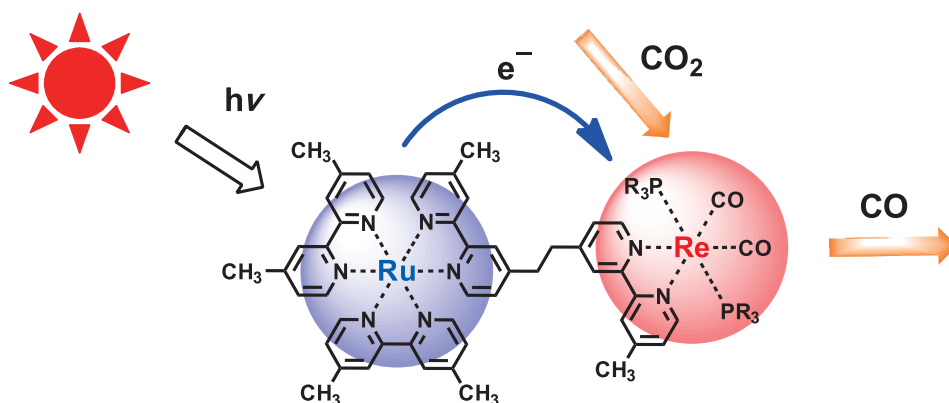
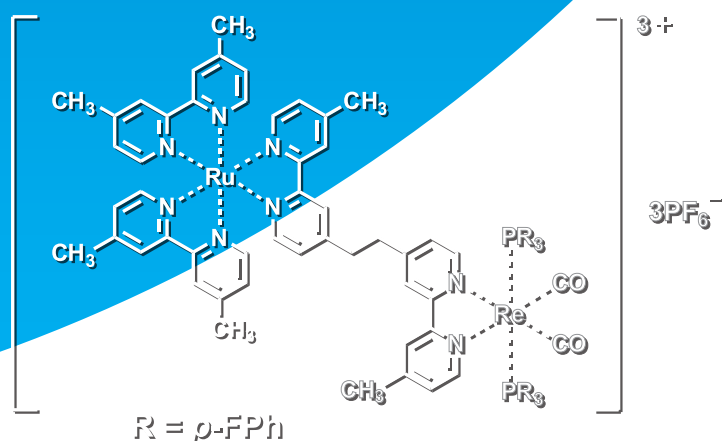
邮编: 201507

[www.TCIchemicals.com/zh/cn/](http://www.TCIchemicals.com/zh/cn/)

# 可有效还原 CO<sub>2</sub> 为 CO 的 Ru-Re 超分子络合物光催化剂

## 优势

- 可在广泛的可见光范围内还原 CO<sub>2</sub> 为 CO
- 含作为催化剂的 Re(I) 络合物和作为光敏剂的 Ru(II) 络合物的新型超分子光催化剂
- CO 形成的量子产量高 ( $\Phi_{CO} = 0.15$ ), 转换数高 ( $TN_{CO} = 207$ ), 光稳定性



最近, 关于人工光合作用的研究越来越多, 该研究过程利用太阳能灯为光源, 可成功地将二氧化碳转化为化学能源。作为研究的一部分, 对于将 CO<sub>2</sub> 还原为 CO 的光催化反应的研究受到越来越多的关注。

由 Ishitani 实验室研发出的 Ru-Re(FPh) (R0100) 是一种新型的 Ru-Re 超分子光催化剂, 由于它是能够有效还原 CO<sub>2</sub> 的 Re 络合物和卓越的光敏剂 Ru 络合物的结合体, 因此它能够在可见光下将 CO<sub>2</sub> 有效地还原成 CO。除了具有光稳定性外, R0100 还显示出极大的光催化性 (CO 形成的量子产量 = 0.15, CO 形成的转换数 = 207)。

产品

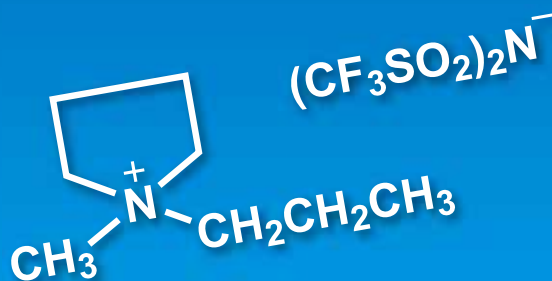
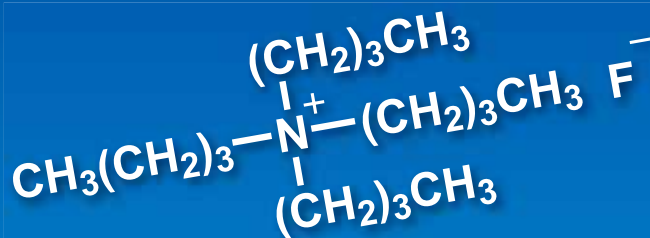
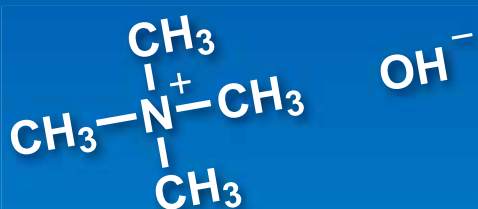
R0100 Ru-Re(FPh) 50mg

本产品在日本工业大学科学与工程研究生院化学系 Osamu Ishitani 教授的指导下进行了商品化。

Y. Tamaki, K. Watanabe, K. Koike, H. Inoue, T. Morimoto, O. Ishitani, *Faraday Discuss.* **2012**, 155, 115.

# 季铵盐

## Quaternary Ammonium Salts



氢氧化季铵盐类

氟化季铵盐类

氯化季铵盐类

溴化季铵盐类

碘化季铵盐类

其他

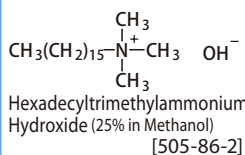


# 季铵盐

## 氢氧化季铵盐类 Ammonium Hydroxides

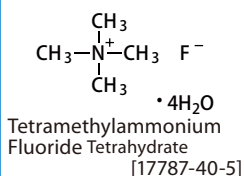
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<p><b>T1201</b> 25mL</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3-\text{N}^+-\text{CH}_3 \\   \\ \text{CH}_3 \end{array} \text{OH}^-$ <p>Tetramethylammonium Hydroxide (10% in Methanol) [for Photoresist Research] [75-59-2]</p>	<p><b>T1404</b> 25g 100g 500g</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3-\text{N}^+-\text{CH}_3 \\   \\ \text{CH}_3 \end{array} \text{OH}^- \cdot 5\text{H}_2\text{O}$ <p>Tetramethylammonium Hydroxide Pentahydrate [10424-65-4]</p>	<p><b>T0096</b> 25mL 500mL</p> $\begin{array}{c} \text{CH}_2\text{CH}_3 \\   \\ \text{CH}_3\text{CH}_2-\text{N}^+-\text{CH}_2\text{CH}_3 \\   \\ \text{CH}_2\text{CH}_3 \end{array} \text{OH}^-$ <p>Tetraethylammonium Hydroxide (10% in Water) [77-98-5]</p>	<p><b>I0363</b> 25mL</p> $\begin{array}{c} \text{CH}_2\text{CH}_3 \\   \\ \text{CH}_3\text{CH}_2-\text{N}^+-\text{CH}_2\text{CH}_3 \\   \\ \text{CH}_2\text{CH}_3 \end{array} \text{OH}^-$ <p>IPC-TEA-OH (10% in Water) [Reagent for Ion-Pair Chromatography] [77-98-5]</p>	<p><b>T2589</b> 25mL 500mL</p> $\begin{array}{c} \text{CH}_2\text{CH}_3 \\   \\ \text{CH}_3\text{CH}_2-\text{N}^+-\text{CH}_2\text{CH}_3 \\   \\ \text{CH}_2\text{CH}_3 \end{array} \text{OH}^-$ <p>Tetraethylammonium Hydroxide (35% in Water) [77-98-5]</p>
<p><b>T0171</b> 25mL 100mL</p> $\begin{array}{c} \text{CH}_2\text{CH}_2\text{CH}_3 \\   \\ \text{CH}_3\text{CH}_2\text{CH}_2-\text{N}^+-\text{CH}_2\text{CH}_2\text{CH}_3 \\   \\ \text{CH}_2\text{CH}_2\text{CH}_3 \end{array} \text{OH}^-$ <p>Tetrapropylammonium Hydroxide (10% in Water) [4499-86-9]</p>	<p><b>T0964</b> 25mL 100mL 500mL</p> $\begin{array}{c} \text{CH}_2\text{CH}_2\text{CH}_3 \\   \\ \text{CH}_3\text{CH}_2\text{CH}_2-\text{N}^+-\text{CH}_2\text{CH}_2\text{CH}_3 \\   \\ \text{CH}_2\text{CH}_2\text{CH}_3 \end{array} \text{OH}^-$ <p>Tetrapropylammonium Hydroxide (10% in Water) [4499-86-9]</p>	<p><b>T1020</b> 25mL 100mL 500mL</p> $\begin{array}{c} \text{CH}_2\text{CH}_2\text{CH}_3 \\   \\ \text{CH}_3\text{CH}_2\text{CH}_2-\text{N}^+-\text{CH}_2\text{CH}_2\text{CH}_3 \\   \\ \text{CH}_2\text{CH}_2\text{CH}_3 \end{array} \text{OH}^-$ <p>Tetrapropylammonium Hydroxide (20-25% in Water) [4499-86-9]</p>	<p><b>T1565</b> 25g</p> $\begin{array}{c} \text{CH}_2\text{CH}_2\text{CH}_3 \\   \\ \text{CH}_3\text{CH}_2\text{CH}_2-\text{N}^+-\text{CH}_2\text{CH}_2\text{CH}_3 \\   \\ \text{CH}_2\text{CH}_2\text{CH}_3 \end{array} \text{OH}^-$ <p>Tetrapropylammonium Hydroxide (ca. 40% in Water) [4499-86-9]</p>	<p><b>T0216</b> 25g</p> $\begin{array}{c} (\text{CH}_2)_3\text{CH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_3-\text{N}^+-\text{CH}_3 \\   \\ (\text{CH}_2)_3\text{CH}_3 \end{array} \text{OH}^-$ <p>Tetrabutylammonium Hydroxide (10% in Water) [2052-49-5]</p>
<p><b>T0955</b> 25mL 100mL 500mL</p> $\begin{array}{c} (\text{CH}_2)_3\text{CH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_3-\text{N}^+-\text{CH}_3 \\   \\ (\text{CH}_2)_3\text{CH}_3 \end{array} \text{OH}^-$ <p>Tetrabutylammonium Hydroxide (10% in Water) [2052-49-5]</p>	<p><b>I0364</b> 25mL 100mL</p> $\begin{array}{c} (\text{CH}_2)_3\text{CH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_3-\text{N}^+-\text{CH}_3 \\   \\ (\text{CH}_2)_3\text{CH}_3 \end{array} \text{OH}^-$ <p>IPC-TBA-OH (10% in Water) [Reagent for Ion-Pair Chromatography] [2052-49-5]</p>	<p><b>T1685</b> 25g 100g 500g</p> $\begin{array}{c} (\text{CH}_2)_3\text{CH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_3-\text{N}^+-\text{CH}_3 \\   \\ (\text{CH}_2)_3\text{CH}_3 \end{array} \text{OH}^-$ <p>Tetrabutylammonium Hydroxide (40% in Water) [2052-49-5]</p>	<p><b>T0717</b> 25mL 100mL 500mL</p> $\begin{array}{c} (\text{CH}_2)_3\text{CH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_3-\text{N}^+-\text{CH}_3 \\   \\ (\text{CH}_2)_3\text{CH}_3 \end{array} \text{OH}^-$ <p>Tetrabutylammonium Hydroxide (10% in Methanol) [2052-49-5]</p>	<p><b>T0041</b> 25mL 500mL</p> $\begin{array}{c} (\text{CH}_2)_3\text{CH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_3-\text{N}^+-\text{CH}_3 \\   \\ (\text{CH}_2)_3\text{CH}_3 \end{array} \text{OH}^-$ <p>Tetrabutylammonium Hydroxide (10% in Methanol) [for non-aqueous titration] [2052-49-5]</p>
<p><b>T1948</b> 25mL 500mL</p> $\begin{array}{c} (\text{CH}_2)_3\text{CH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_3-\text{N}^+-\text{CH}_3 \\   \\ (\text{CH}_2)_3\text{CH}_3 \end{array} \text{OH}^-$ <p>Tetrabutylammonium Hydroxide (37% in Methanol) [2052-49-5]</p>	<p><b>T0056</b> 25g</p> $\begin{array}{c} (\text{CH}_2)_3\text{CH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_3-\text{N}^+-\text{CH}_3 \\   \\ (\text{CH}_2)_3\text{CH}_3 \end{array} \text{OH}^-$ <p>Tetrabutylammonium Hydroxide (10% in Isopropyl Alcohol) [2052-49-5]</p>	<p><b>T1134</b> 5g</p> $\begin{array}{c} (\text{CH}_2)_5\text{CH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_5-\text{N}^+-\text{CH}_3 \\   \\ (\text{CH}_2)_5\text{CH}_3 \end{array} \text{OH}^-$ <p>Tetrahexylammonium Hydroxide (10% in Methanol) [17756-56-8]</p>	<p><b>C0326</b> 25g 100g 500g</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{HOCH}_2\text{CH}_2-\text{N}^+-\text{CH}_3 \\   \\ \text{CH}_3 \end{array} \text{OH}^-$ <p>Choline (48-50% in Water) [123-41-1]</p>	<p><b>T2192</b> 25g</p> $\begin{array}{c} \text{CH}_2\text{CH}_2\text{OH} \\   \\ \text{HOCH}_2\text{CH}_2-\text{N}^+-\text{CH}_3 \\   \\ \text{CH}_2\text{CH}_2\text{OH} \end{array} \text{OH}^-$ <p>Tris(2-hydroxyethyl)methylammonium Hydroxide (45-50% in Water) [33667-48-0]</p>
<p><b>P0878</b> 25mL</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{C}_6\text{H}_5-\text{N}^+-\text{CH}_3 \\   \\ \text{CH}_3 \end{array} \text{OH}^-$ <p>Trimethylphenylammonium Hydroxide (20-25% in Methanol) [1899-02-1]</p>	<p><b>P0245</b> 25mL</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{C}_6\text{H}_5-\text{N}^+-\text{CH}_3 \\   \\ \text{CH}_3 \end{array} \text{OH}^-$ <p>Trimethylphenylammonium Hydroxide (20-25% in Methanol) [1899-02-1]</p>	<p><b>T0961</b> 25mL</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3-\text{N}^+-\text{CH}_3 \\   \\ \text{C}_6\text{H}_4-\text{CF}_3 \end{array} \text{OH}^-$ <p>3-(Trifluoromethyl)phenyltrimethylammonium Hydroxide (5% in Methanol) [68254-41-1]</p>	<p><b>B1070</b> 25mL 500mL</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{C}_6\text{H}_5-\text{CH}_2-\text{N}^+-\text{CH}_3 \\   \\ \text{CH}_3 \end{array} \text{OH}^-$ <p>Benzyltrimethylammonium Hydroxide (10% in Water) [100-85-6]</p>	<p><b>B0428</b> 25mL</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{C}_6\text{H}_5-\text{CH}_2-\text{N}^+-\text{CH}_3 \\   \\ \text{CH}_3 \end{array} \text{OH}^-$ <p>Benzyltrimethylammonium Hydroxide (10% in Water) [100-85-6]</p>
<p><b>B1071</b> 25mL 500mL</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{C}_6\text{H}_5-\text{CH}_2-\text{N}^+-\text{CH}_3 \\   \\ \text{CH}_3 \end{array} \text{OH}^-$ <p>Benzyltrimethylammonium Hydroxide (40% in Water) [100-85-6]</p>	<p><b>B0448</b> 25mL 100mL 500mL</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{C}_6\text{H}_5-\text{CH}_2-\text{N}^+-\text{CH}_3 \\   \\ \text{CH}_3 \end{array} \text{OH}^-$ <p>Benzyltrimethylammonium Hydroxide (40% in Methanol) [100-85-6]</p>	<p><b>B0445</b> 25mL 250mL</p> $\begin{array}{c} \text{CH}_2\text{CH}_3 \\   \\ \text{C}_6\text{H}_5-\text{CH}_2-\text{N}^+-\text{CH}_2\text{CH}_3 \\   \\ \text{CH}_2\text{CH}_3 \end{array} \text{OH}^-$ <p>Benzyltriethylammonium Hydroxide (10% in Water) [1836-42-6]</p>	<p><b>H1354</b> 25mL 100mL</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_{15}-\text{N}^+-\text{CH}_3 \\   \\ \text{CH}_3 \end{array} \text{OH}^-$ <p>Hexadecyltrimethylammonium Hydroxide (10% in Water) (Cl <math>\leq</math> 1.0%) [505-86-2]</p>	<p><b>H0974</b> 25mL 500mL</p> $\begin{array}{c} \text{CH}_3 \\   \\ \text{CH}_3(\text{CH}_2)_{15}-\text{N}^+-\text{CH}_3 \\   \\ \text{CH}_3 \end{array} \text{OH}^-$ <p>Hexadecyltrimethylammonium Hydroxide (10% in Water) [505-86-2]</p>

H0083 25mL 500mL

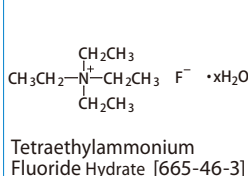


## 氟化季铵盐类 Ammonium Fluorides

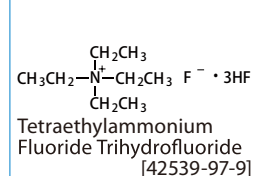
T2754 5g 25g



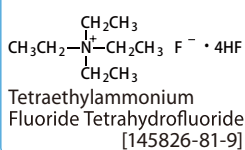
T0838 5g 25g



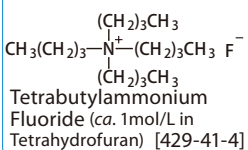
T2026 10g



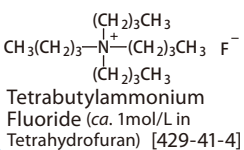
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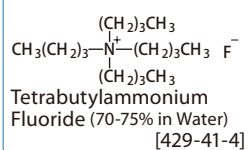
T1338 25mL 100mL 500mL



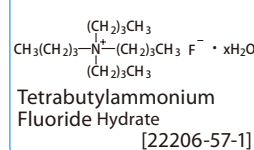
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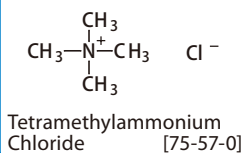


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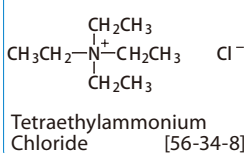


## 氯化季铵盐类 Ammonium Chlorides

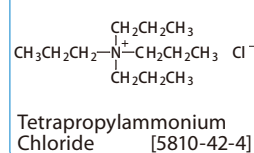
T0136 25g 500g



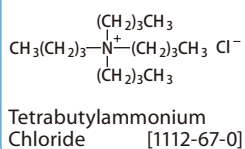
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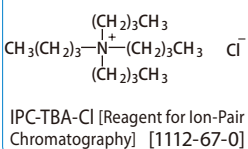
T2106 25g



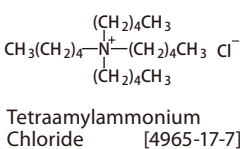
T0055 5g 25g 100g



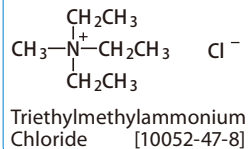
I0366 5g 25g



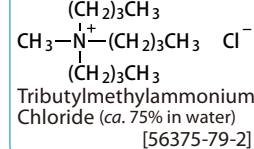
T1433 5g 25g



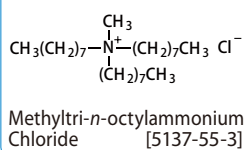
M0852 25g 500g



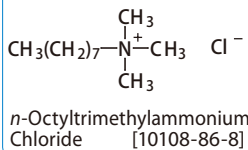
T2873 100mL 500mL



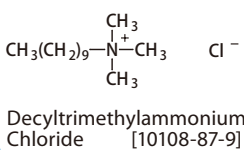
T1365 25g 500g



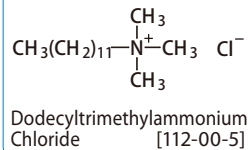
O0178 25g



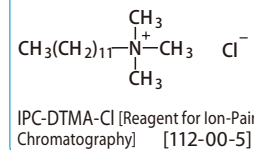
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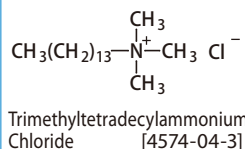
D1016 25g 500g



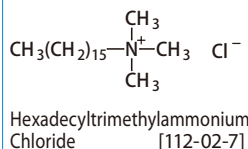
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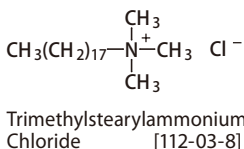
T0926 25g 500g



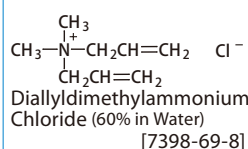
H0082 2g 100g 500g



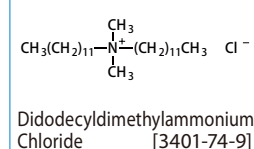
S0087 25g 100g 500g



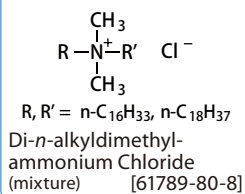
D2003 25mL 500mL



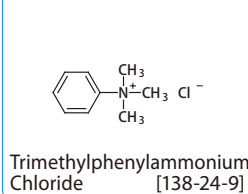
D4698 5g



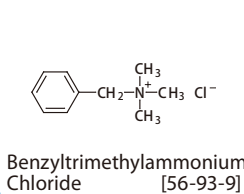
D1630 25g 500g



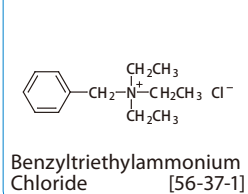
P0244 25g



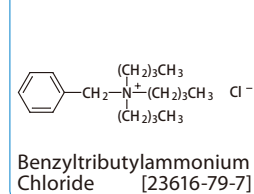
B0447 25g 100g 500g

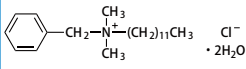
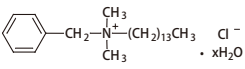
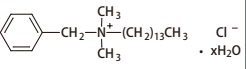
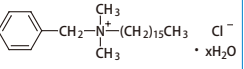
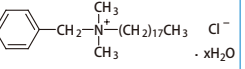
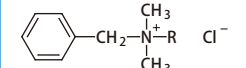
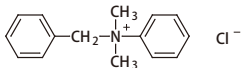
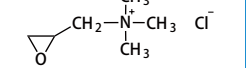
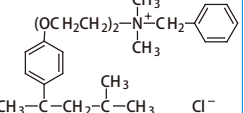
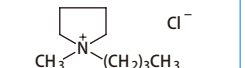
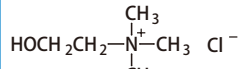
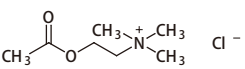
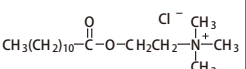
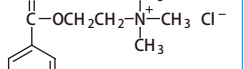
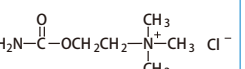
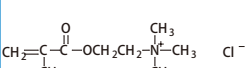
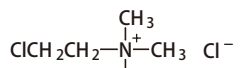
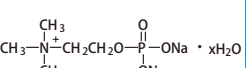
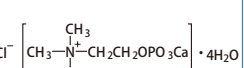
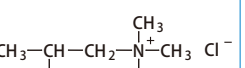
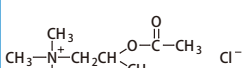
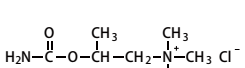
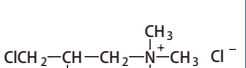
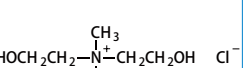
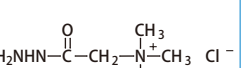
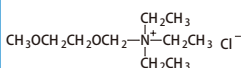
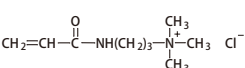
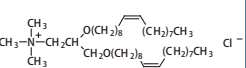
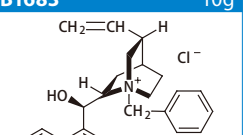
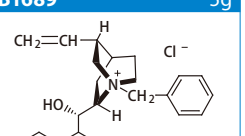
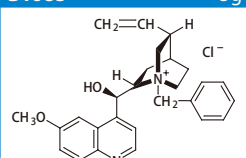
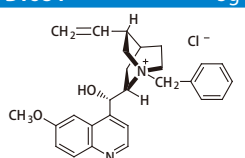
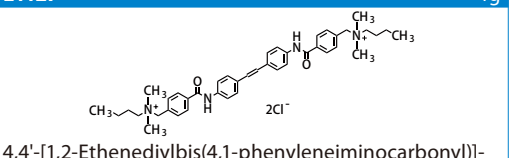
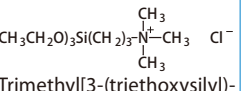
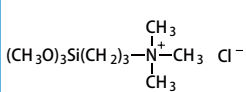

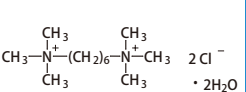
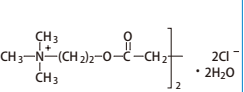


B0444 25g 500g



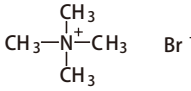
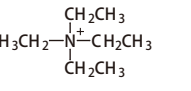
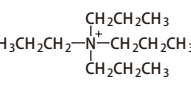
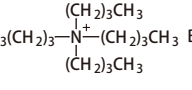
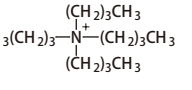
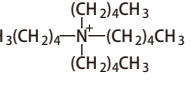
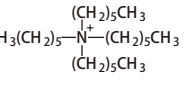
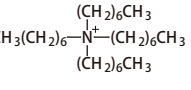
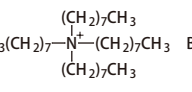
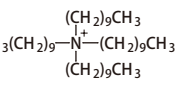
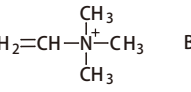
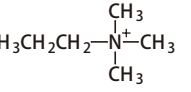
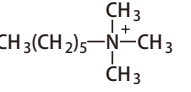
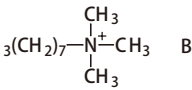
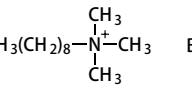
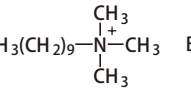
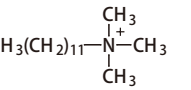
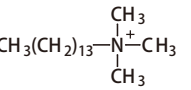
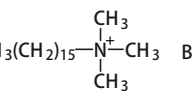
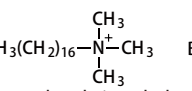
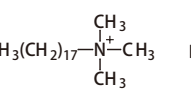
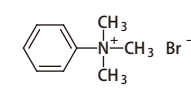
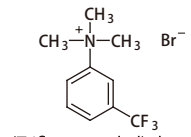
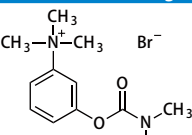
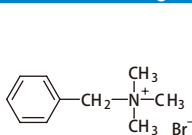
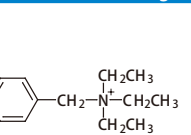
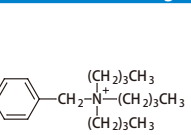
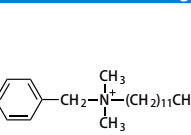
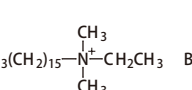
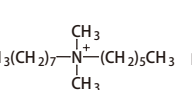
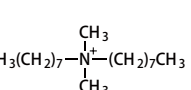
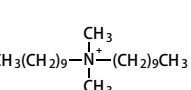
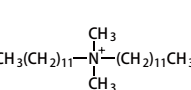
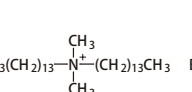
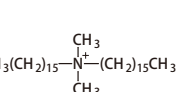
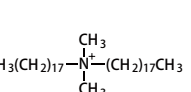
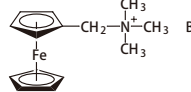
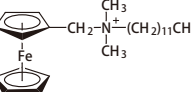
B1384 25g 500g

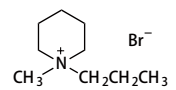
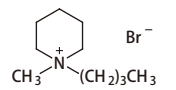
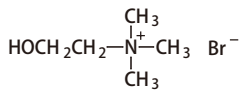
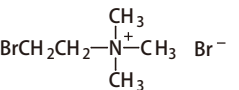
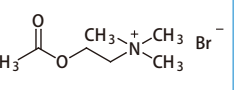
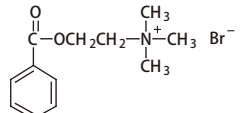
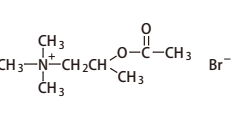
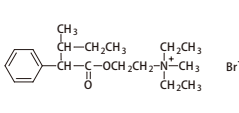
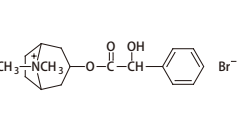
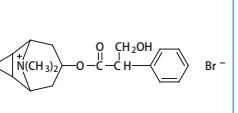
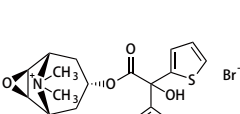
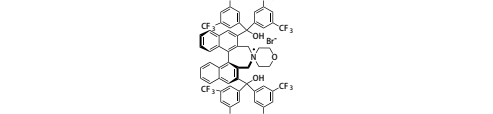
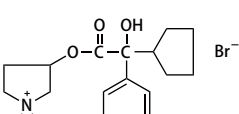
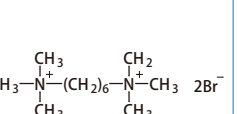
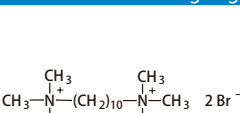
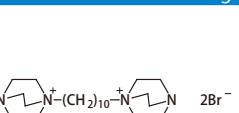
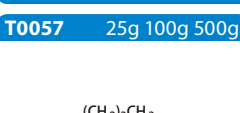
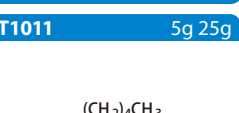
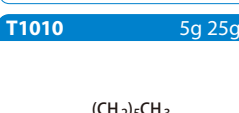
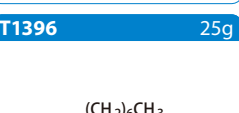
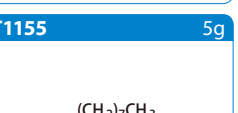

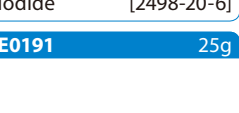
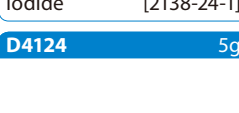
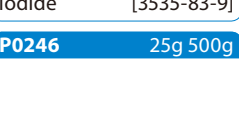
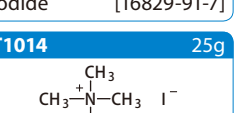
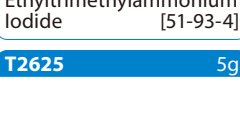
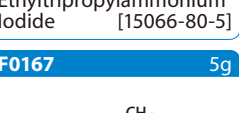
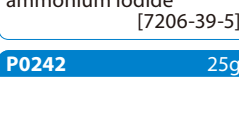
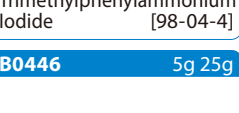
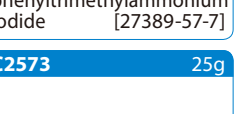


<b>B2171</b> 25g  Benzyl dodecyl dimethylammonium Chloride Dihydrate [139-07-1]	<b>A0208</b> 25g 100g 500g  Zephriol Hydrate [139-08-2]	<b>A5160</b> 5g  Tetradecyldimethylbenzylammonium Chloride Hydrate [139-08-2]	<b>B0237</b> 25g 500g  Benzylcetyl dimethylammonium Chloride Hydrate [122-18-9]	<b>B1297</b> 25g 100g 500g  Benzyl dimethyl stearyl ammonium Chloride Hydrate [122-19-0]
<b>B0414</b> 25g 500g  Benzalkonium Chloride (50% in Water) [63449-41-2]	<b>B0416</b> 25g  Benzyl dimethyl phenyl ammonium Chloride [3204-68-0]	<b>G0476</b> 25g 100g 500g  Glycidyl trimethyl ammonium Chloride (ca. 80% in Water) [3033-77-0]	<b>B0044</b> 25g 100g 500g  Benzethonium Chloride [121-54-0]	<b>B3358</b> 5g 25g  1-Butyl-1-methylpyrrolidinium Chloride [479500-35-1]
<b>C0329</b> 25g 500g  Choline Chloride [67-48-1]	<b>A0084</b> 25g 500g  Acetylcholine Chloride [60-31-1]	<b>D0973</b> 1g 5g  Lauroylcholine Chloride Hydrate [25234-60-0]	<b>B0107</b> 25g  Benzoylcholine Chloride [2964-09-2]	<b>C0596</b> 10g 25g  Carbachol [51-83-2]
<b>M0918</b> 25g 500g  Methacryloylcholine Chloride (ca. 80% in Water) [5039-78-1]	<b>C0172</b> 25g 500g  Chlorocholine Chloride [999-81-5]	<b>P0834</b> 1g 5g  Phosphocholine Chloride Sodium Salt Hydrate [16904-96-4]	<b>P0274</b> 25g 250g  Phosphocholine Chloride Calcium Salt Tetrahydrate [72556-74-2]	<b>M1293</b> 25g  β-Methylcholine Chloride [2382-43-6]
<b>M0073</b> 25g 500g  Methacholine Chloride [62-51-1]	<b>B4828</b> 5g 25g  Bethanechol Chloride [590-63-6]	<b>C1180</b> 25mL 500mL  (3-Chloro-2-hydroxypropyl)-trimethylammonium Chloride (ca. 65% in Water) [3327-22-8]	<b>B4384</b> 5g 25g  Bis(2-hydroxyethyl)-dimethylammonium Chloride [38402-02-7]	<b>B0457</b> 25g 500g  Girard's Reagent T [123-46-6]
<b>M0681</b> 5g  (2-Methoxyethoxymethyl)-triethylammonium Chloride [60043-43-8]	<b>A1493</b> 25mL 500mL  (3-Acrylamidopropyl)-trimethylammonium Chloride (74-76% in Water) [45021-77-0]	<b>T1307</b> 100mg 1g  DOTMA [104162-48-3]	<b>B1683</b> 10g  BCDC [69257-04-1]	<b>B1689</b> 5g  BCNC [69221-14-3]
<b>B1685</b> 5g  QUIBEC [67174-25-8]	<b>B1684</b> 5g  N-Benzylquinidinium Chloride [77481-82-4]	<b>E1127</b> 1g  4,4'-[1,2-Ethenediylbis(4,1-phenyleneimino carbonyl)]-bis(N-butyl-N,N-dimethylbenzenemethanaminium) Dichloride [1296211-78-3]	<b>T2246</b> 5g 25g  Trimethyl[3-(triethoxysilyl)-propyl]ammonium Chloride [84901-27-9]	
<b>T2796</b> 10g 25g  Trimethyl[3-(trimethoxysilyl)-propyl]ammonium Chloride (ca. 50% in Methanol) [35141-36-7]	<b>T0826</b> 25g 100g 500g  Tricaprylmethylammonium Chloride (R=C8-C10) [63393-96-4]	<b>H0090</b> 25g 100g 500g  Hexamethonium Chloride Dihydrate [60-25-3]	<b>S0149</b> 5g 25g  Succinylcholine Chloride Dihydrate [6101-15-1]	

# 溴化季铵盐类

## Ammonium Bromides

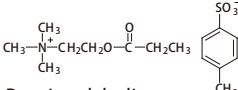
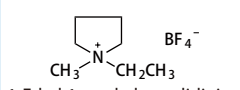
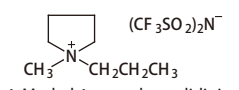
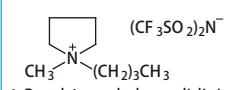
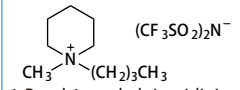
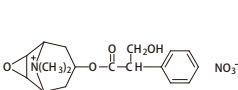
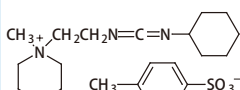
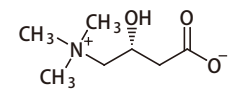
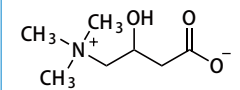
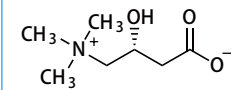
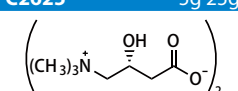
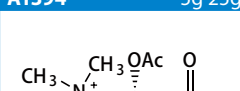
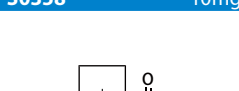
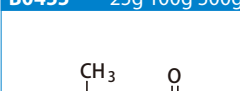
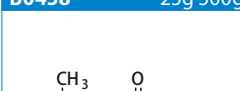

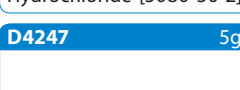



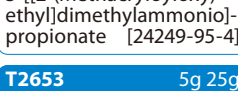
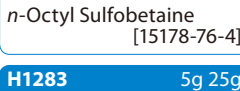
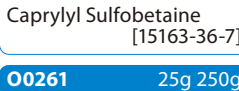
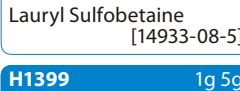
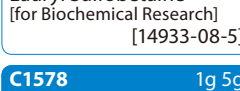
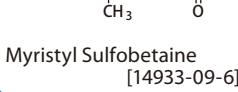
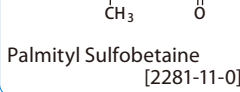
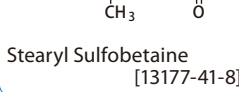
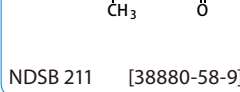
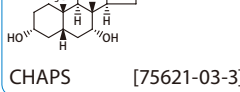
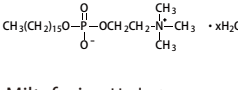
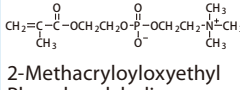
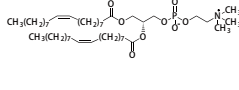
		<b>T0135</b> 25g 500g  Tetramethylammonium Bromide [64-20-0]	<b>T0094</b> 25g 500g  Tetraethylammonium Bromide [71-91-0]	<b>T0694</b> 25g 500g  Tetrapropylammonium Bromide [1941-30-6]
<b>T0054</b> 25g 100g 500g  Tetrabutylammonium Bromide [1643-19-2]	<b>I0365</b> 25g 100g 500g  IPC-TBA-Br [Reagent for Ion-Pair Chromatography] [1643-19-2]	<b>T1432</b> 5g 25g  Tetraamylammonium Bromide [866-97-7]	<b>T1599</b> 25g  Tetrahexylammonium Bromide [4328-13-6]	<b>T1602</b> 5g 25g  Tetraheptylammonium Bromide [4368-51-8]
<b>T1603</b> 10g 25g  Tetra- <i>n</i> -octylammonium Bromide [14866-33-2]	<b>T1142</b> 25g  Tetra(decyl)ammonium Bromide [14937-42-9]	<b>T0494</b> 1g 10g  Neurine Bromide [10603-92-6]	<b>T2762</b> 25g  Trimethylpropylammonium Bromide [2650-50-2]	<b>H0534</b> 25g 500g  Hexyltrimethylammonium Bromide [2650-53-5]
<b>O0163</b> 25g 500g  <i>n</i> -Octyltrimethylammonium Bromide [2083-68-3]	<b>T2734</b> 5g  Trimethylnonylammonium Bromide [1943-11-9]	<b>D1467</b> 25g 500g  Decyltrimethylammonium Bromide [2082-84-0]	<b>D1468</b> 25g 100g 500g  Dodecyltrimethylammonium Bromide [1119-94-4]	<b>T0906</b> 25g 500g  Tetradecyltrimethylammonium Bromide [1119-97-7]
<b>H0081</b> 25g 100g 500g  Hexadecyltrimethylammonium Bromide [57-09-0]	<b>H1307</b> 5g  Heptadecyltrimethylammonium Bromide [21424-24-8]	<b>S0364</b> 25g  Trimethylstearyl ammonium Bromide [1120-02-1]	<b>P0243</b> 25g 100g 500g  Trimethylphenylammonium Bromide [16056-11-4]	<b>T1036</b> 25g  3-(Trifluoromethyl)phenyltrimethylammonium Bromide [262608-95-7]
<b>N0358</b> 5g 25g  Neostigmine Bromide [114-80-7]	<b>B2980</b> 25g 250g  Benzyltrimethylammonium Bromide [5350-41-4]	<b>B0443</b> 25g 500g  Benzyltriethylammonium Bromide [5197-95-5]	<b>B1217</b> 25g 500g  Benzyltributylammonium Bromide [25316-59-0]	<b>B3748</b> 5g 25g  Benzyl dodecyl dimethyl ammonium Bromide [7281-04-1]
<b>D0721</b> 25g 500g  Ethylhexadecyldimethyl ammonium Bromide [124-03-8]	<b>H0989</b> 5g 25g  Hexyldimethyloctyl ammonium Bromide [187731-26-6]	<b>D2754</b> 5g 25g  Dimethyldioctyl ammonium Bromide [3026-69-5]	<b>D2363</b> 5g 25g  Didecyl dimethyl ammonium Bromide [2390-68-3]	<b>D1974</b> 25g 100g 500g  Dilauryldimethyl ammonium Bromide [3282-73-3]
<b>D2355</b> 25g 500g  Dimethyldimyristyl ammonium Bromide [68105-02-2]	<b>D2354</b> 25g 500g  Dimethyldipalmityl ammonium Bromide [70755-47-4]	<b>D1975</b> 25g 250g  Dimethyldioctadecyl ammonium Bromide [3700-67-2]	<b>F0166</b> 1g 5g  (Ferrocenylmethyl)trimethyl ammonium Bromide [106157-30-6]	<b>F0286</b> 5g  (Ferrocenylmethyl)dodecyl dimethyl ammonium Bromide [98778-40-6]

<b>M1976</b> 5g 25g  1-Methyl-1-propylpiperidinium Bromide [88840-42-0]	<b>B3424</b> 5g 25g  1-Butyl-1-methylpiperidinium Bromide [94280-72-5]	<b>C0328</b> 25g 500g  Choline Bromide [1927-06-6]	<b>B0577</b> 25g  Bromocholine Bromide [2758-06-7]	<b>A0083</b> 25g  Acetylcholine Bromide [66-23-9]			
<b>B0106</b> 25g  Benzoylcholine Bromide [24943-60-0]	<b>M0072</b> 25g 100g  Methacholine Bromide [333-31-3]	<b>V0063</b> 1g  Valethamate Bromide [90-22-2]	<b>H0448</b> 5g 25g  Homatropine Methyl Bromide [80-49-9]	<b>S0231</b> 1g  Scopolamine Methyl Bromide [155-41-9]			
<b>T3032</b> 50mg 200mg  Tiotropium Bromide [136310-93-5]	<b>B3970</b> 50mg  (11bS)-2,6-bis[bis[3,5-bis(trifluoromethyl)phenyl]hydroxymethyl]-3,5-dihydrospiro[4H-dinaphth[2,1-c:1',2'-e]azepine-4,4'-morpholinium] Bromide [1197922-04-5]	<b>G0392</b> 100mg  Glycopyrrolate [596-51-0]	<b>H0481</b> 25g 500g  Hexamethonium Bromide [55-97-0]				
<b>D1314</b> 5g 25g  Decamethonium Bromide [541-22-0]	<b>D3269</b> 1g  1,1'-(Decane-1,10-diyl)bis[4-azoniabicyclo[2.2.2]octane] Dibromide [94630-53-2]	<b>碘化季铵盐类</b> <b>Ammonium Iodides</b>					
<b>T0057</b> 25g 100g 500g  Tetrabutylammonium Iodide [311-28-4]	<b>T1011</b> 5g 25g  Tetraamylammonium Iodide [2498-20-6]				<b>T1010</b> 5g 25g  Tetrahexylammonium Iodide [2138-24-1]	<b>T1396</b> 25g  Tetraheptylammonium Iodide [3535-83-9]	<b>T1155</b> 5g  Tetra-n-octylammonium Iodide [16829-91-7]
<b>E0190</b> 25g  Ethyltrimethylammonium Iodide [51-93-4]	<b>E0191</b> 25g  Ethyltripropylammonium Iodide [15066-80-5]				<b>D4124</b> 5g  Dimethyloctadecylammonium Iodide [7206-39-5]	<b>P0246</b> 25g 500g  Trimethylphenylammonium Iodide [98-04-4]	<b>T1014</b> 25g  3-(Trifluoromethyl)phenyltrimethylammonium Iodide [27389-57-7]
<b>T2625</b> 5g  Trimethyl[2-((trimethylsilyl)methyl)benzyl]ammonium Iodide [83781-47-9]	<b>F0167</b> 5g  (Ferrocenylmethyl)trimethylammonium Iodide [12086-40-7]				<b>P0242</b> 25g  Triethylphenylammonium Iodide [1010-19-1]	<b>B0446</b> 5g 25g  Benzyltriethylammonium Iodide [5400-94-2]	<b>C2573</b> 25g  Choline Iodide [17773-10-3]



<b>A0085</b> 25g  Acetylcholine iodide [2260-50-6]	<b>B0772</b> 1g 25g  Butyrylcholine iodide [2494-56-6]	<b>B0108</b> 25g  Benzoylcholine iodide [17518-43-3]	<b>M0598</b> 25g  β-Methylcholine iodide [26112-50-5]	<b>H0407</b> 10g  Triethylcholine iodide [5957-17-5]
<b>A0116</b> 1g 5g 25g  Acetylthiocholine iodide [1866-15-5]	<b>B0775</b> 5g 25g  Butyrylthiocholine iodide [1866-16-6]	<b>B0307</b> 1g 5g 25g  Benzoylthiocholine iodide [10561-14-5]	<b>D1343</b> 1g  1,1-Dimethyl-4-phenylpiperazinium iodide [54-77-3]	<b>D1315</b> 5g 25g  Decamethonium iodide [1420-40-2]
<b>其他</b> <b>Other Ammonium Salts</b>				
<b>T0843</b> 25g  Tetramethylammonium <i>p</i> -Toluenesulfonate [3983-91-3]	<b>T0842</b> 25g 500g  Tetramethylammonium Tetrafluoroborate [661-36-9]	<b>T0840</b> 25g  Tetramethylammonium Hydrogen Sulfate [80526-82-5]	<b>T0841</b> 25g  Tetramethylammonium Perchlorate [2537-36-2]	<b>T0842</b> 25g 500g  Tetramethylammonium Tetrafluoroborate [661-36-9]
<b>T0843</b> 25g  Tetramethylammonium <i>p</i> -Toluenesulfonate [3983-91-3]	<b>T0852</b> 5g 25g  Tetramethylammonium Borohydride [16883-45-7]	<b>T1048</b> 5g 25g  Tetramethylammonium Acetate [10581-12-1]	<b>T1240</b> 5g 25g  Tetramethylammonium Sulfate [14190-16-0]	<b>T1296</b> 25g  Tetramethylammonium Hexafluorophosphate [558-32-7]
<b>T2717</b> 5g  Tetramethylammonium Dichloroiodate [1838-41-1]	<b>T1553</b> 5g 25g  Tetramethylammonium Triacetoxyborohydride [109704-53-2]	<b>T1397</b> 25g  Tetramethylammonium Acetate (ca. 15% in Water) [10581-12-1]	<b>T0837</b> 5g 25g  Tetraethylammonium Borohydride [17083-85-1]	<b>T0839</b> 25g  Tetraethylammonium Perchlorate [2567-83-1]
<b>T0983</b> 5g 25g  Tetraethylammonium Tetrafluoroborate [429-06-1]	<b>T0937</b> 25g 500g  Tetraethylammonium <i>p</i> -Toluenesulfonate [733-44-8]	<b>T3082</b> 5g 25g  Tetraethylammonium Nitrate [1941-26-0]	<b>T1745</b> 5g 25g  Tetraethylammonium Triflate [35895-69-3]	<b>T1559</b> 1g 5g  Tetrapropylammonium Perruthenate [114615-82-6]
<b>B1123</b> 10g $2[(C_4H_9)_4N]^+ Cr_2O_7^{2-}$ Bis(tetrabutylammonium) Dichromate [56660-19-6]	<b>I0367</b> 10mL 100mL  IPC-TBA-P (0.5mol/L in Water) [5574-97-0]	<b>T0835</b> 25g 100g 500g  Tetrabutylammonium Hydrogen Sulfate [32503-27-8]	<b>T0836</b> 25g 100g 500g  Tetrabutylammonium Perchlorate [1923-70-2]	<b>T2648</b> 25g  Tetrabutylammonium Tetrafluoroborate [429-42-5]
<b>T0914</b> 25g 100g 500g  Tetrabutylammonium Tetrafluoroborate [429-42-5]	<b>T0917</b> 5g 25g  Tetrabutylammonium Borohydride [33725-74-5]	<b>T0920</b> 5g 25g  Tetrabutylammonium Azide [993-22-6]	<b>T1186</b> 25g  Tetrabutylammonium Dichlorobromide [13053-75-3]	<b>T1189</b> 25g  Tetrabutylammonium Dibromochloride [64531-21-1]

<b>T1261</b> 1g  Tetrabutylammonium Dibromoaureate [50481-01-1]	<b>T1269</b> 1g 10g  Tetrabutylammonium Dibromiodide [15802-00-3]	<b>T1271</b> 5g 25g  Tetrabutylammonium Triiodide [13311-45-0]	<b>T1273</b> 100mg  Tetrabutylammonium Dichloroaurate [50480-99-4]	<b>T1278</b> 25g 250g  Tetrabutylammonium Thiocyanate [3674-54-2]
<b>T1279</b> 25g 250g  Tetrabutylammonium Hexafluorophosphate [3109-63-5]	<b>T1284</b> 25g 100g 500g  Tetrabutylammonium Tribromide [38932-80-8]	<b>T1295</b> 5g 25g  Tetrabutylammonium Bifluoride [23868-34-0]	<b>T1357</b> 100mg 1g  Tetrabutylammonium Diiodoaurate	<b>T1480</b> 1g 5g  Tetrabutylammonium Tetraphenylborate [15522-59-5]
<b>T1568</b> 10g 25g  Tetrabutylammonium Triflate [35895-70-6]	<b>T1592</b> 1g 5g  Tetrabutylammonium Difluorotriphenylstannate [139353-88-1]	<b>T1635</b> 5g 25g  Tetrabutylammonium Dihydrogen Trifluoride [99337-56-1]	<b>T1803</b> 1g 5g  Tetrabutylammonium Perrhenate [16385-59-4]	<b>T1909</b> 5g 25g  Tetrabutylammonium Difluorotriphenylsilicate [163931-61-1]
<b>T2669</b> 5g 25g  Tetrabutylammonium <i>p</i> -Nitrophenoxide [3002-48-0]	<b>B5440</b> 200mg 1g  Bis(tetrabutylammonium) Dihydrogen Pyrophosphate [857447-79-1]	<b>B1466</b> 100mg  TCNDQ [68271-98-7]	<b>T1270</b> 1g  Tetrabutylammonium Bromodiiodide [3419-99-6]	<b>I0368</b> 25g 100g  IPC-TBA-HS [32503-27-8]
<b>T1276</b> 25g  Tetrabutylammonium Salicylate [22307-72-8]	<b>T2694</b> 25g 100g  Tetrabutylammonium Acetate [10534-59-5]	<b>T2198</b> 25g  Triethylmethylammonium Tetrafluoroborate [69444-47-9]	<b>A2274</b> 5g  Amyltriethylammonium Bis(trifluoromethanesulfonyl)- imide [906478-91-9]	<b>M1660</b> 5g  Methyltri- <i>n</i> -octylammonium Bis(trifluoromethanesulfonyl)- imide [375395-33-8]
<b>M1457</b> 1g 5g  Methyltri- <i>n</i> -octylammonium Hydrogen Sulfate [59158-14-4]	<b>H0733</b> 1g 25g  Cetyltrimethylammonium Hexafluorophosphate [101079-29-2]	<b>H0735</b> 1g 5g  Hexadecyltrimethylammonium Perchlorate [6941-37-3]	<b>H0734</b> 1g 5g  Cetyltrimethylammonium Tetrafluoroborate [73257-08-6]	<b>C1966</b> 5g  Cyclohexyltrimethylammonium Bis(trifluoromethanesulfonyl)- imide [952155-74-7]
<b>P0928</b> 25g 500g  Trimethylphenylammonium Tribromide [4207-56-1]	<b>N0447</b> 5g 25g  Neostigmine Methyl Sulfate [51-60-5]	<b>B3128</b> 5g 25g  Benzyltriethylammonium Borohydride [85874-45-9]	<b>B1604</b> 5g 25g  Benzyltrimethylammonium Dichloroiodate [114971-52-7]	<b>B1543</b> 5g  Benzyltrimethylammonium Tetrachloroiodate [121309-88-4]
<b>T1382</b> 5g 25g  Benzyltrimethylammonium Tribromide [111865-47-5]	<b>D2124</b> 5g 25g  Denatonium Benzoate [3734-33-6]	<b>P1719</b> 5g 25g  Benzyltrimethylammonium Cyanoborohydride Resin cross-linked with 10% DVB (30-50mesh) (2.6-3.0mmol/g)	<b>C0553</b> 25g 500g  Choline Bitartrate [87-67-2]	<b>A0998</b> 10g  Acetylcholine Perchlorate [927-86-6]

<p><b>P0517</b> 1g 25g</p>  <p>Propionylcholine <i>p</i>-Toluenesulfonate [1866-13-3]</p>	<p><b>E0977</b> 5g 25g</p>  <p>1-Ethyl-1-methylpyrrolidinium Tetrafluoroborate [117947-85-0]</p>	<p><b>M2098</b> 5g 25g</p>  <p>1-Methyl-1-propylpyrrolidinium Bis(trifluoromethanesulfonyl)- imide [223437-05-6]</p>	<p><b>B2851</b> 5g 25g</p>  <p>1-Butyl-1-methylpyrrolidinium Bis(trifluoromethanesulfonyl)- imide [223437-11-4]</p>	<p><b>B4844</b> 5g 25g</p>  <p>1-Butyl-1-methylpiperidinium Bis(trifluoromethanesulfonyl)- imide [623580-02-9]</p>
<p><b>S0230</b> 1g 5g</p>  <p>Scopolamine Methyl Nitrate [6106-46-3]</p>	<p><b>C0793</b> 5g 25g</p>  <p>CMC [2491-17-0]</p>	<p><b>C0049</b> 5g 25g</p>  <p>L-Carnitine [541-15-1]</p>	<p><b>C0050</b> 25g 500g</p>  <p>DL-Carnitine Hydrochloride [461-05-2]</p>	<p><b>C3058</b> 5g 25g</p>  <p>L-Carnitine Hydrochloride [6645-46-1]</p>
<p><b>C2625</b> 5g 25g</p>  <p>L-Carnitine L-Tartrate [36687-82-8]</p>	<p><b>A1394</b> 5g 25g</p>  <p>Acetyl-L-carnitine Hydrochloride [5080-50-2]</p>	<p><b>S0358</b> 10mg</p>  <p>Stachydrine Hydrochloride [4136-37-2]</p>	<p><b>B0455</b> 25g 100g 500g</p>  <p>Betaine Anhydrous [107-43-7]</p>	<p><b>B0458</b> 25g 500g</p>  <p>Betaine Hydrochloride [590-46-5]</p>
<p><b>M2359</b> 1g</p>  <p>3-[[[2-(Methacryloyloxy) ethyl]dimethylammonio]- propionate [24249-95-4]</p>	<p><b>D4247</b> 5g</p>  <p><i>n</i>-Octyl Sulfobetaine [15178-76-4]</p>	<p><b>D4246</b> 5g 25g</p>  <p>Caprylyl Sulfobetaine [15163-36-7]</p>	<p><b>D2332</b> 25g 250g</p>  <p>Lauryl Sulfobetaine [14933-08-5]</p>	<p><b>D3860</b> 5g 25g</p>  <p>Lauryl Sulfobetaine [for Biochemical Research] [14933-08-5]</p>
<p><b>T2653</b> 5g 25g</p>  <p>Myristyl Sulfobetaine [14933-09-6]</p>	<p><b>H1283</b> 5g 25g</p>  <p>Palmityl Sulfobetaine [2281-11-0]</p>	<p><b>O0261</b> 25g 250g</p>  <p>Stearyl Sulfobetaine [13177-41-8]</p>	<p><b>H1399</b> 1g 5g</p>  <p>NDSB 211 [38880-58-9]</p>	<p><b>C1578</b> 1g 5g</p>  <p>CHAPS [75621-03-3]</p>
<p><b>M2445</b> 100mg 1g</p>  <p>Miltefosine Hydrate [58066-85-6]</p>	<p><b>M2005</b> 1g 5g</p>  <p>2-Methacryloyloxyethyl Phosphorylcholine [67881-98-5]</p>	<p><b>D4250</b> 250mg</p>  <p>DOPC [4235-95-4]</p>	<p><b>D3924</b> 200mg 1g</p>  <p>DMPC [18194-24-6]</p>	<p><b>D3925</b> 200mg 1g</p>  <p>L-DPPC [63-89-8]</p>
<p><b>D3926</b> 200mg 1g</p>  <p>DSPC [816-94-4]</p>	<p><b>M1279</b> 1g 5g 25g</p>  <p>Burgess Reagent [29684-56-8]</p>	<p><b>F0358</b> 5g 25g 100g</p>  <p>F-TEDA-BF<sub>4</sub> [140681-55-6]</p>		







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# 增塑剂



## 邻苯二甲酸酯

<b>P0302 Dimethyl Phthalate</b>	25g / 500g
<b>P0296 Diethyl Phthalate</b>	25mL / 500mL
<b>P0306 Dipropyl Phthalate</b>	25mL / 100mL / 500mL
<b>P0301 Diisopropyl Phthalate</b>	25mL / 100mL / 500mL
<b>P0292 Dibutyl Phthalate</b>	25mL / 500mL
<b>P0298 Diisobutyl Phthalate</b>	25g / 500g
<b>P0291 Diamyl Phthalate</b>	25g / 100g / 500g
<b>P1344 Dihexyl Phthalate</b>	5g / 25g
<b>P0293 Dicyclohexyl Phthalate</b>	25g / 500g
<b>P0304 Di-n-octyl Phthalate</b>	25mL / 100mL / 500mL
<b>P0297 Bis(2-ethylhexyl) Phthalate</b>	25g / 500g
<b>P0303 Dinonyl Phthalate (mixture of isomers)</b>	25mL / 100mL / 500mL
<b>P0300 Diisononyl Phthalate (mixture of branched chain isomers)</b>	500g
<b>P0299 Diisodecyl Phthalate (mixture of branched chain isomers)</b>	25mL / 500mL
<b>D3248 Diundecyl Phthalate (mixture of branched chain isomers)</b>	500g
<b>P0307 Ditridecyl Phthalate (mixture of branched chain isomers)</b>	25g / 500g
<b>P0657 Bis(2-butoxyethyl) Phthalate</b>	25g
<b>E0164 Ethoxycarbonylmethyl Ethyl Phthalate</b>	25g / 500g
<b>B0737 Butoxycarbonylmethyl Butyl Phthalate</b>	25g / 500g
<b>P0305 Diphenyl Phthalate</b>	25g / 500g
<b>P0288 Benzyl Butyl Phthalate</b>	25g / 500g
<b>B2714 Benzyl 2-Ethylhexyl Phthalate</b>	25g
<b>B2715 Benzyl Isononyl Phthalate (mixture of branched chain isomers)</b>	25g

## 间苯二甲酸酯

<b>I0157 Dimethyl Isophthalate</b>	25g / 500g
<b>B4302 Bis(2-ethylhexyl) Isophthalate</b>	25g / 500g

## 脂肪酸酯

<b>S0104 Dimethyl Succinate</b>	25g / 500g
<b>S0103 Diethyl Succinate</b>	25g / 500g
<b>M0012 Dimethyl Maleate</b>	25mL / 500mL
<b>M0010 Diethyl Maleate</b>	25mL / 500mL
<b>M0009 Dibutyl Maleate</b>	25g / 500g
<b>M0011 Bis(2-ethylhexyl) Maleate</b>	25mL / 500mL
<b>F0116 Dibutyl Fumarate</b>	25g / 500g
<b>F0117 Bis(2-ethylhexyl) Fumarate</b>	25mL / 500mL
<b>A0166 Dimethyl Adipate</b>	25mL / 500mL
<b>A0162 Diethyl Adipate</b>	25mL / 500mL
<b>A0654 Diisopropyl Adipate</b>	25mL / 500mL
<b>A0931 Dipropyl Adipate</b>	25mL
<b>A0655 Dibutyl Adipate</b>	25mL / 500mL
<b>A0706 Diisobutyl Adipate</b>	25mL / 500mL
<b>A0163 Bis(2-ethylhexyl) Adipate</b>	25mL / 500mL
<b>A1387 Diisononyl Adipate</b>	25mL / 500mL
<b>A0164 Diisodecyl Adipate</b>	25mL / 500mL
<b>A1388 Heptylnonyl Adipate</b>	25mL / 500mL
<b>A1386 Di-n-alkyl Adipate</b>	25mL / 500mL
<b>B2716 Bis(2-butoxyethyl) Adipate</b>	25g / 500g
<b>A1308 Dimethyl Azelate</b>	25mL
<b>A0653 Bis(2-ethylhexyl) Azelate (&gt;75.0%)</b>	25mL / 500mL
<b>A1473 Bis(2-ethylhexyl) Azelate (&gt;98.0%)</b>	25mL
<b>S0027 Dimethyl Sebacate</b>	25g / 500g
<b>S0024 Diethyl Sebacate</b>	25mL / 500mL
<b>S0023 Dibutyl Sebacate</b>	25mL / 500mL
<b>S0028 Di-n-octyl Sebacate</b>	25mL
<b>S0025 Bis(2-ethylhexyl) Sebacate</b>	25mL / 500mL
<b>D3754 Diisononyl Cyclohexanedicarboxylate (mixture of isomers)</b>	25mL / 500mL
<b>O0055 Methyl Oleate</b>	25mL / 500mL
<b>O0054 Ethyl Oleate (&gt;70.0%)</b>	25mL / 500mL
<b>O0143 Ethyl Oleate (&gt;95.0%)</b>	5mL / 25mL

## 偏苯三甲酸酯

<b>B0880</b> Tributyl Trimellitate	25mL
<b>B0881</b> Tris(2-ethylhexyl) Trimellitate	25mL / 500mL

## 磷酸酯

<b>P0271</b> Trimethyl Phosphate	25g / 500g
<b>P0270</b> Triethyl Phosphate	25g / 500g
<b>P0265</b> Triamyl Phosphate	25mL
<b>P1022</b> Tris(2-ethylhexyl) Phosphate	25mL / 500mL
<b>P0683</b> Tris(2-butoxyethyl) Phosphate	25g / 500g
<b>P0268</b> Tris(2-chloroethyl) Phosphate	25g
<b>P0269</b> Tris(1,3-dichloro-2-propyl) Phosphate	25g / 500g
<b>P1021</b> 2-Ethylhexyl Diphenyl Phosphate	25g / 500g
<b>P0272</b> Triphenyl Phosphate	25g / 500g
<b>P0259</b> Cresyl Diphenyl Phosphate (mixture of analogue)	25mL / 500mL
<b>P0273</b> Tricresyl Phosphate (mixture of isomers)	25g / 500g
<b>P1331</b> Tri- <i>o</i> -cresyl Phosphate	5g / 25g

## 多元醇醚或酯

<b>B0489</b> Diethylene Glycol Diethyl Ether	25mL / 500mL
<b>B0828</b> Diethylene Glycol Dibutyl Ether	25mL / 500mL

<b>D1230</b> Diethylene Glycol Diacetate	25mL / 500mL
<b>D1522</b> Diethylene Glycol Dibenzoate	25mL / 500mL
<b>B0496</b> Triethylene Glycol Dimethyl Ether	25g / 500g
<b>T0923</b> Triethylene Glycol Diacetate	25g / 500g
<b>G0082</b> Monoolein	25g / 500g
<b>G0086</b> Triacetin	25g / 500g
<b>T0364</b> Tributyrin	25mL / 500mL

## 羟基羧酸酯

<b>C0368</b> Trimethyl Citrate	5g / 25g
<b>C0367</b> Triethyl Citrate	25g / 500g
<b>C0601</b> Tripropyl Citrate	25g
<b>C0366</b> Tributyl Citrate	25mL / 500mL
<b>A0879</b> Methyl <i>O</i> -Acetylricinoleate	25mL / 500mL
<b>A0086</b> Triethyl <i>O</i> -Acetylcitrate	25g / 500g
<b>A0822</b> Tributyl <i>O</i> -Acetylcitrate	25mL / 500mL

## 其他

<b>C0011</b> (±)-Camphor	25g / 500g
<b>C0010</b> (+)-Camphor	25g / 500g
<b>C1251</b> (-)-Camphor	5g
<b>B0716</b> <i>N</i> -Butylbenzenesulfonamide	25g / 500g
<b>E0187</b> <i>N</i> -Ethyltoluenesulfonamide ( <i>o</i> - and <i>p</i> - mixture)	25g / 500g
<b>N0194</b> 2-Nitrobiphenyl	25g / 100g / 500g

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