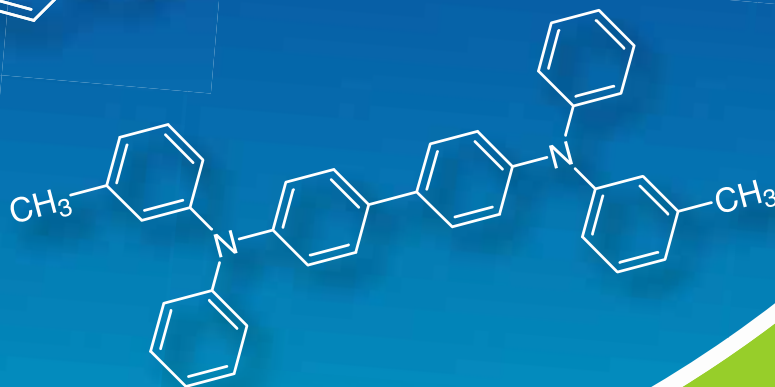
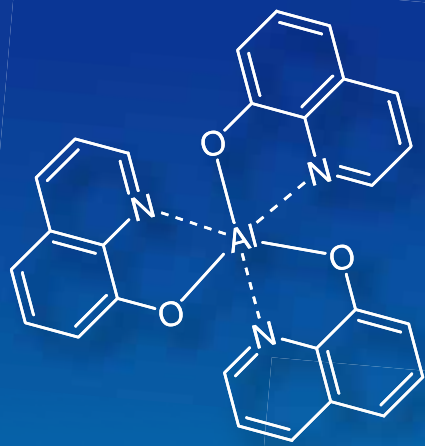


有机发光二极管(OLED)材料

Organic Light-Emitting Diode(OLED) Materials



主体材料

空穴传输材料

电子传输材料

蓝光掺杂剂

绿光掺杂剂

红光掺杂剂

有机发光二极管(OLED)材料

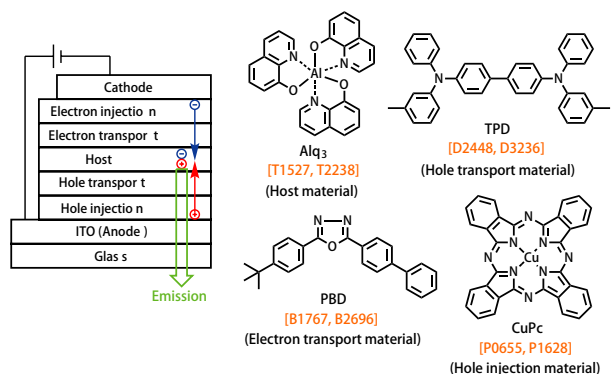
有机发光二极管(OLED)器件因其轻便可折叠受到广泛关注, 目前已成为新一代的显示器和光源材料。OLED材料自Tang等首次通过双层有机薄膜发现后, 主要集中于实际应用¹⁾。Adachi等对三层器件进行了进一步报道, 其主体材料层夹在空穴传输层和电子传输层之间。此外, 他们还报道了一种双层体系, 其中的一层同时具有主体和电子传输的特性^{2,3)}。为了提高载流子注入的效率, 一种包含电子注入层和空穴注入层的五层体系也吸引了相关研究。通过选择不同的主体层掺杂材料还可以控制发射出的RGB颜色。结合一种适当的掺杂材料, 可以制造出白光器件^{4,5)}。OLED发光面板就是白色有机发光器件(WOLED)的一个应用⁶⁾。

无定形材料具有透明、均匀、各向同性以及易于加工的特性, 可用于OLED器件。一种实用的OLED的器件还要求有极佳的耐热性和耐久性。很多基于三苯胺衍生物(TPD)的空穴传输材料都具有耐热和无定形的特性, 因而被广泛使用^{7,8)}。除了TPD以外, 拥有电子传输性质的恶二唑衍生物(PBD)⁹⁾, 作为主体材料的Alq₃¹⁾, 以及蓝光发射材料均二苯乙炔衍生物都可用做无定形OLED器件的基础材料¹⁰⁾。

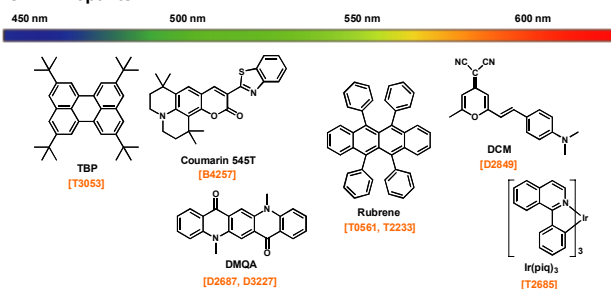
传统的荧光材料虽然电流密度高, 但仅利用了25%的单线态激子发光, 75%的三线态激子发生无辐射失活。另一方面, 磷光材料通过从单线态到三线态的系间窜跃, 可以实现100%的EL量子效率。到目前为止, 已有关于Ir(ppp)₃及其类似物等磷光材料的报道¹¹⁾。近来, 热激活延迟荧光(TADF)的非金属材料也引起了相关研究。Adachi等报道, 利用单线态和三线态间能隙低的荧光材料可以实现25%以上的量子效率, 这是因为发生了从三线态到单线态的反向能量转移^{12,13)}。

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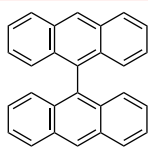
OLED Dopants



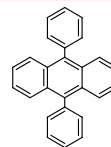
主体材料

Host Materials

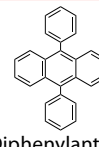
B4095 1g 5g

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CAS RN: 1055-23-8

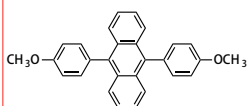
D1689 1g 25g

9,10-Diphenylanthracene
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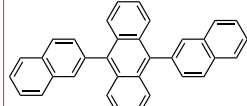
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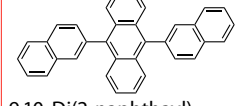
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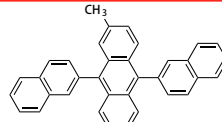
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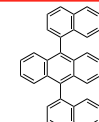
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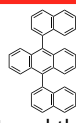
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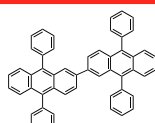
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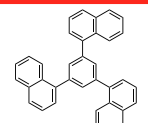
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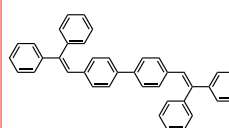
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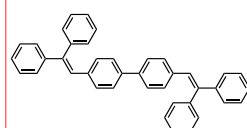
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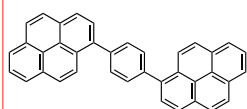
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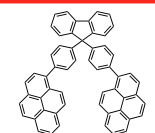
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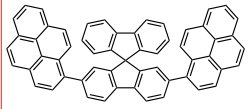
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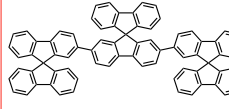
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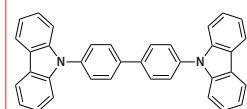
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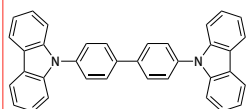
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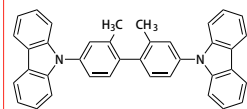
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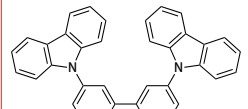
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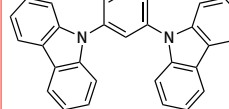
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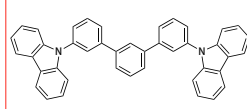
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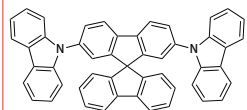
D4087 1g

1,3-Di-9-carbazolyl-benzene
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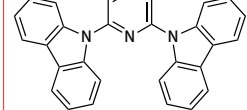
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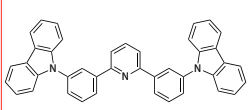
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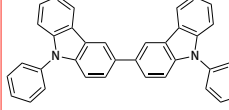
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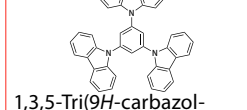
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CAS RN: 1013405-24-7

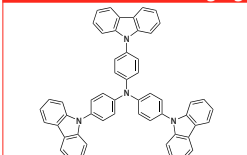
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9,9'-Diphenyl-9H,9'H-3,3'-
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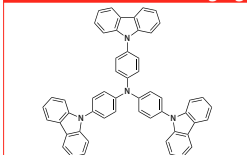
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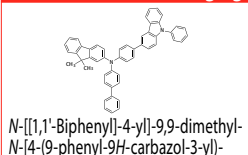
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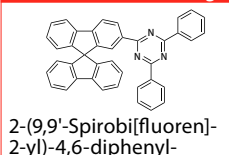
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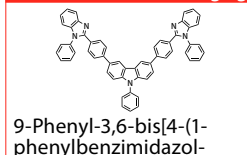
B5435 1g 5g

N-[[1,1'-Biphenyl]-4-yl]-9,9-dimethyl-
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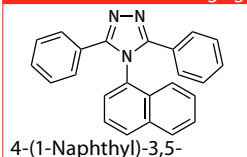
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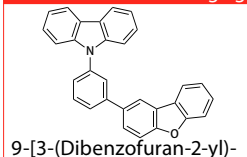
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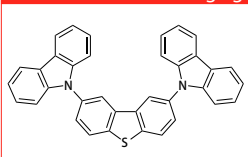
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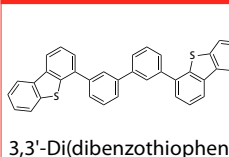
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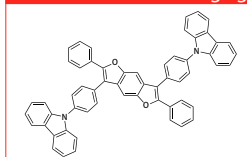
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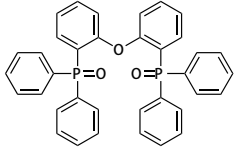
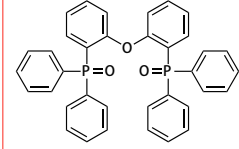
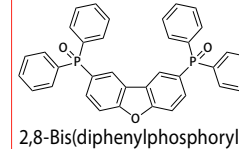
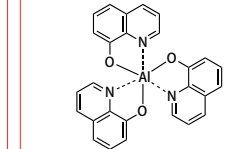
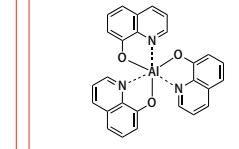
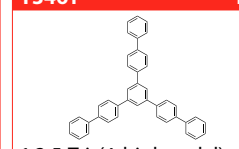
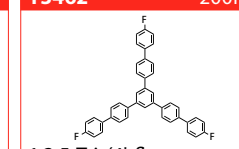
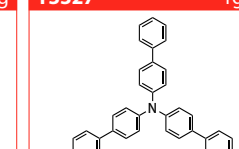
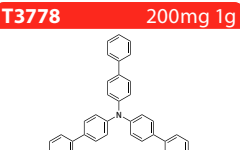
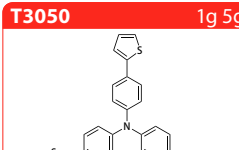
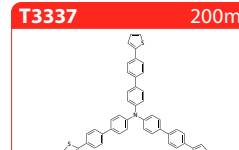
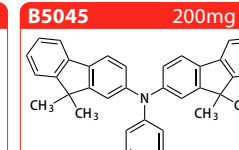
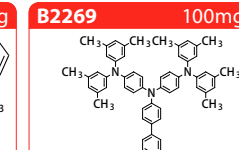
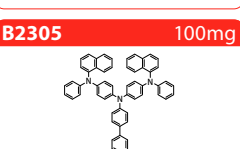
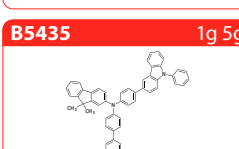
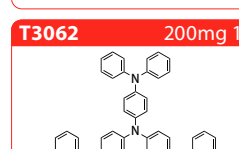
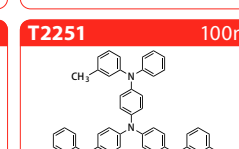
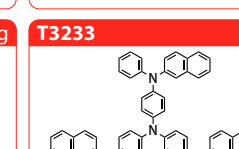
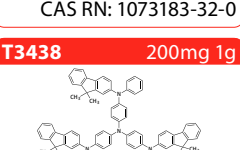
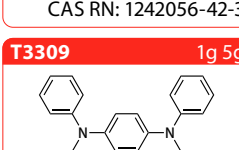
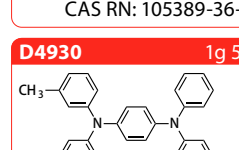
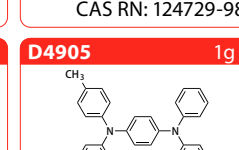
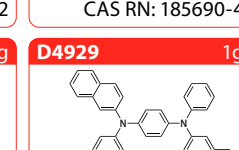
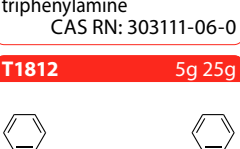
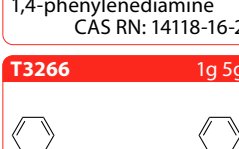
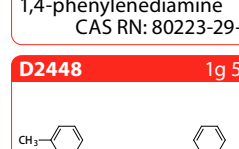
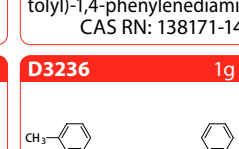
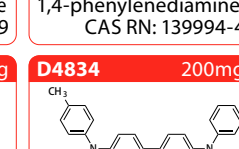
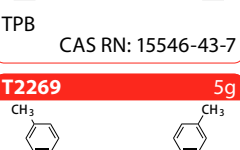
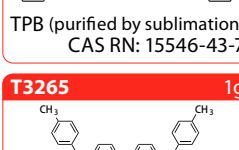
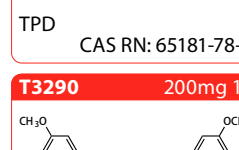
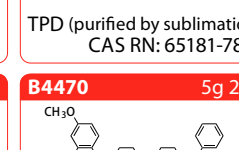
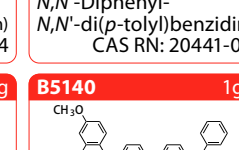
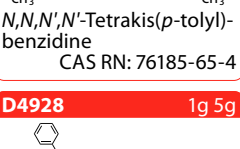
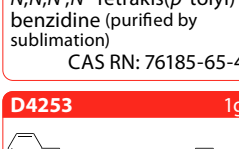
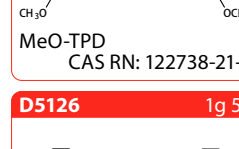
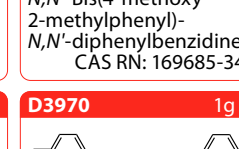
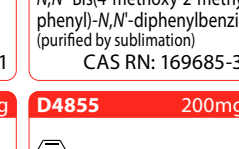
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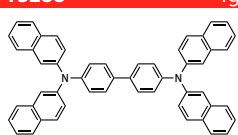
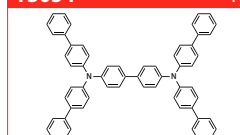
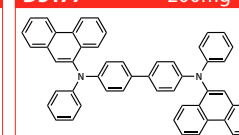
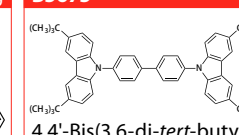
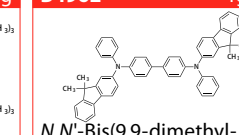
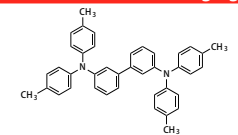
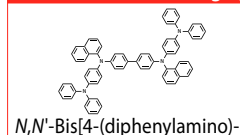
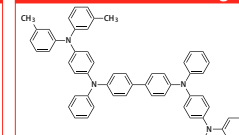
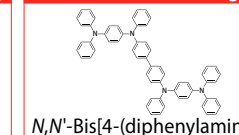
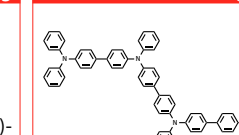
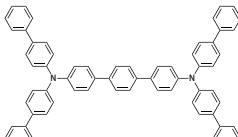
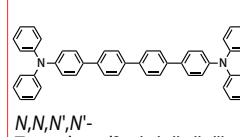
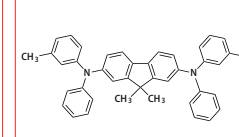
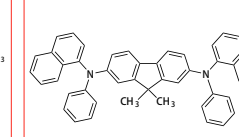
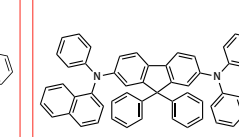
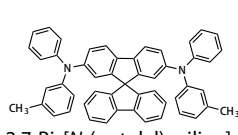


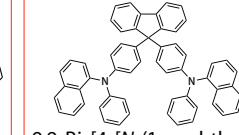
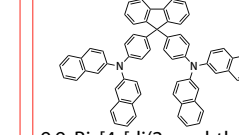
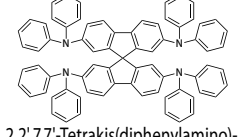
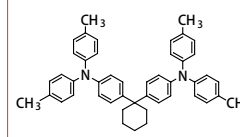
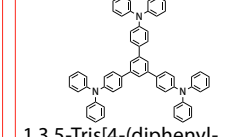
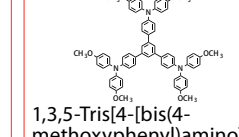
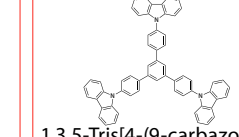
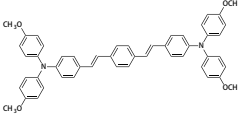
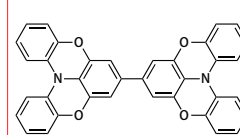
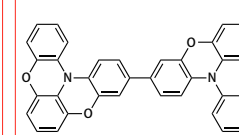
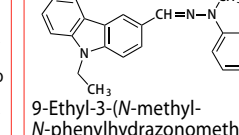
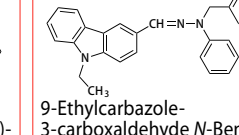
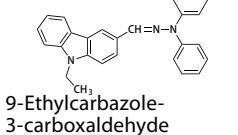
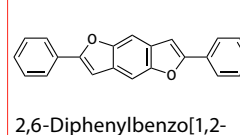
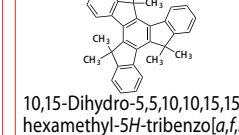
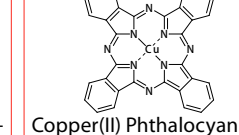
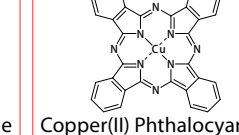
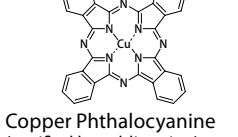
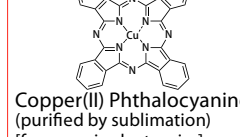
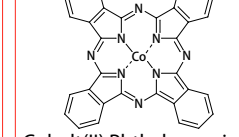
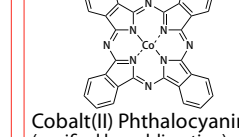
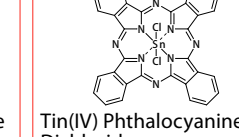
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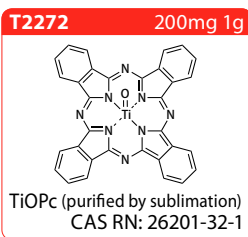
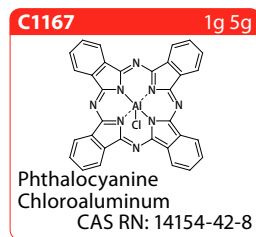
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C2780 200mg 1g

CZBDF
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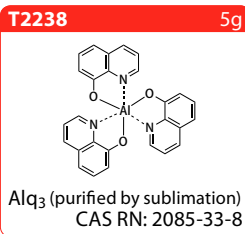
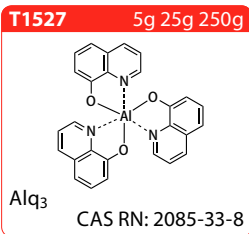
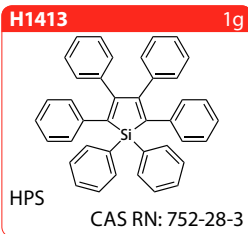
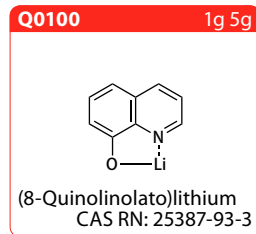
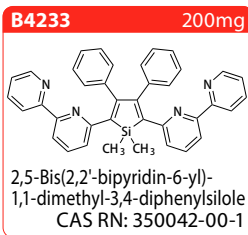
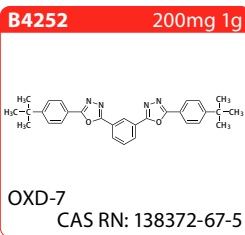
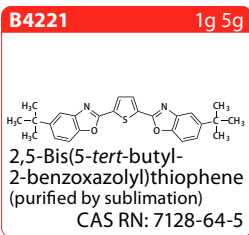
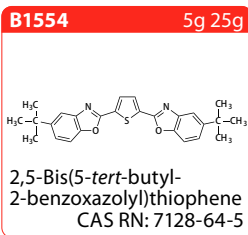
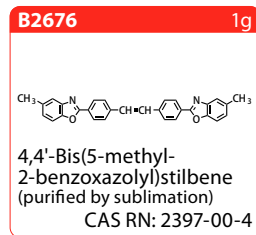
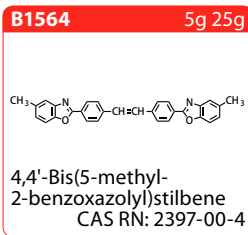
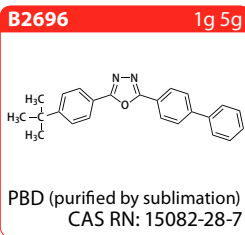
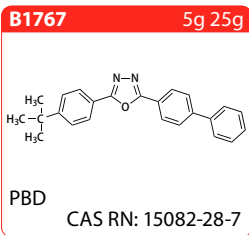
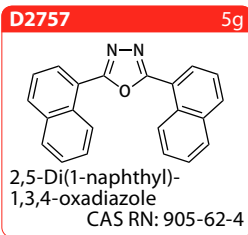
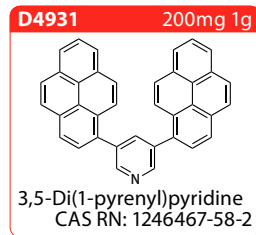
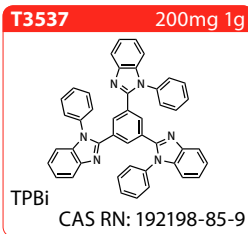
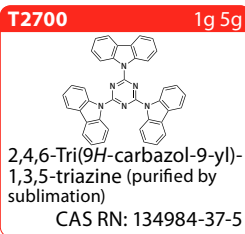
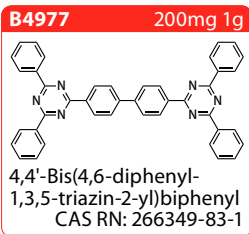
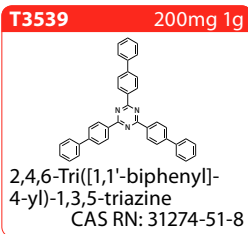
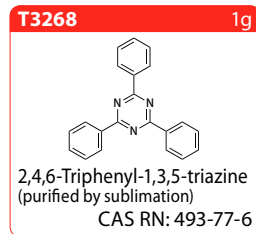
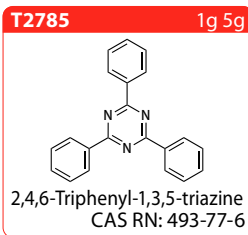
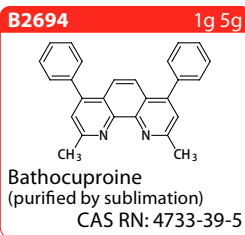
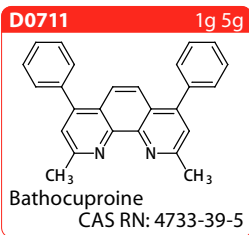
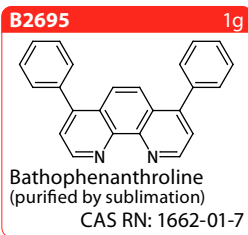
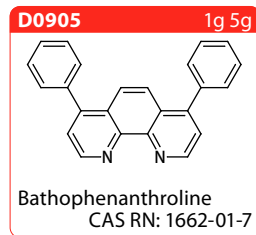
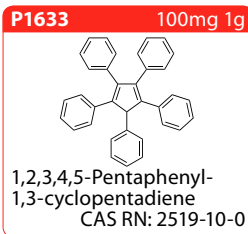
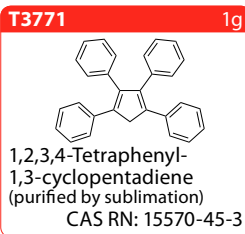
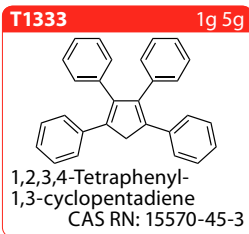
<p>B5240 1g</p>  <p>DPEPO CAS RN: 808142-23-6</p>	<p>B5448 200mg 1g</p>  <p>DPEPO (purified by sublimation) CAS RN: 808142-23-6</p>	<p>B5822 200mg 1g</p>  <p>2,8-Bis(diphenylphosphoryl)-dibenzo[b,d]furan CAS RN: 911397-27-8</p>	<p>T1527 5g 25g 250g</p>  <p>Alq₃ CAS RN: 2085-33-8</p>	<p>T2238 5g</p>  <p>Alq₃ (purified by sublimation) CAS RN: 2085-33-8</p>
<p>空穴传输材料 Hole Transport Materials</p>				
		<p>T3461 1g</p>  <p>1,3,5-Tris(4-biphenyl)-benzene CAS RN: 6326-64-3</p>	<p>T3462 200mg</p>  <p>1,3,5-Tris(4'-fluoro-biphenyl-4-yl)benzene CAS RN: 372956-40-6</p>	<p>T3327 1g 5g</p>  <p>Tris(4-biphenyl)amine CAS RN: 6543-20-0</p>
<p>T3778 200mg 1g</p>  <p>Tris(4-biphenyl)amine (purified by sublimation) CAS RN: 6543-20-0</p>	<p>T3050 1g 5g</p>  <p>Tris[4-(2-thienyl)phenyl]amine CAS RN: 142807-63-4</p>	<p>T3337 200mg</p>  <p>Tris[4'-(2-thienyl)-4-biphenyl]amine CAS RN: 1092356-36-9</p>	<p>B5045 200mg 1g</p>  <p>N,N-Bis(9,9-dimethyl-9H-fluoren-2-yl)aniline CAS RN: 165320-27-4</p>	<p>B2269 100mg 1g</p>  <p>4,4'-Bis[di(3,5-xylyl)amino]-4''-phenyltriphenylamine CAS RN: 249609-49-2</p>
<p>B2305 100mg</p>  <p>4,4'-Bis[N-(1-naphthyl)-N-phenylamino]-4''-phenyltriphenylamine CAS RN: 1073183-32-0</p>	<p>B5435 1g 5g</p>  <p>N-[[1,1'-Biphenyl]-4-yl]-9,9-dimethyl-N-[4-(9-phenyl-9H-carbazol-3-yl)-phenyl]-9H-fluoren-2-amine CAS RN: 1242056-42-3</p>	<p>T3062 200mg 1g</p>  <p>TDATA CAS RN: 105389-36-4</p>	<p>T2251 100mg</p>  <p>m-MTDATA CAS RN: 124729-98-2</p>	<p>T3233 1g</p>  <p>2-TNATA CAS RN: 185690-41-9</p>
<p>T3438 200mg 1g</p>  <p>4,4',4''-Tris[9,9-dimethyl-fluoren-2-yl(phenyl)-amino]-triphenylamine CAS RN: 303111-06-0</p>	<p>T3309 1g 5g</p>  <p>N,N,N',N'-Tetraphenyl-1,4-phenylenediamine CAS RN: 14118-16-2</p>	<p>D4930 1g 5g</p>  <p>N,N'-Diphenyl-N,N'-di(m-tolyl)-1,4-phenylenediamine CAS RN: 80223-29-6</p>	<p>D4905 1g 5g</p>  <p>N,N'-Diphenyl-N,N'-bis(p-tolyl)-1,4-phenylenediamine CAS RN: 138171-14-9</p>	<p>D4929 1g 5g</p>  <p>N,N'-Di(2-naphthyl)-N,N'-diphenyl-1,4-phenylenediamine CAS RN: 139994-47-1</p>
<p>T1812 5g 25g</p>  <p>TPB CAS RN: 15546-43-7</p>	<p>T3266 1g 5g</p>  <p>TPB (purified by sublimation) CAS RN: 15546-43-7</p>	<p>D2448 1g 5g</p>  <p>TPD CAS RN: 65181-78-4</p>	<p>D3236 1g 5g</p>  <p>TPD (purified by sublimation) CAS RN: 65181-78-4</p>	<p>D4834 200mg 1g</p>  <p>N,N'-Diphenyl-N,N'-di(p-tolyl)benzidine CAS RN: 20441-06-9</p>
<p>T2269 5g</p>  <p>N,N,N',N'-Tetrakis(p-tolyl)-benzidine CAS RN: 76185-65-4</p>	<p>T3265 1g</p>  <p>N,N,N',N'-Tetrakis(p-tolyl)-benzidine (purified by sublimation) CAS RN: 76185-65-4</p>	<p>T3290 200mg 1g</p>  <p>MeO-TPD CAS RN: 122738-21-0</p>	<p>B4470 5g 25g</p>  <p>N,N'-Bis(4-methoxy-2-methylphenyl)-N,N'-diphenylbenzidine CAS RN: 169685-34-1</p>	<p>B5140 1g 5g</p>  <p>N,N'-Bis(4-methoxy-2-methylphenyl)-N,N'-diphenylbenzidine (purified by sublimation) CAS RN: 169685-34-1</p>
<p>D4928 1g 5g</p>  <p>N,N'-Di(4-biphenyl)-N,N'-diphenylbenzidine CAS RN: 134008-76-7</p>	<p>D4253 1g</p>  <p>N,N'-Di-2-naphthyl-N,N'-diphenylbenzidine CAS RN: 139255-17-7</p>	<p>D5126 1g 5g</p>  <p>N,N'-Di-1-naphthyl-N,N'-diphenylbenzidine CAS RN: 123847-85-8</p>	<p>D3970 1g 5g</p>  <p>N,N'-Di-1-naphthyl-N,N'-diphenylbenzidine (purified by sublimation) CAS RN: 123847-85-8</p>	<p>D4855 200mg 1g</p>  <p>N,N'-Di-1-naphthyl-N,N'-di-2-naphthylbenzidine CAS RN: 374592-88-8</p>

<p>T3288 1g</p>  <p><i>N,N,N',N'</i>-Tetra(2-naphthyl)-benzidine CAS RN: 141752-82-1</p>	<p>T3054 1g</p>  <p><i>N,N,N',N'</i>-Tetrakis(4-biphenyl)benzidine CAS RN: 164724-35-0</p>	<p>D5177 200mg 1g</p>  <p><i>N,N'</i>-Di(9-phenanthrenyl)-<i>N,N'</i>-diphenylbenzidine CAS RN: 182507-83-1</p>	<p>B5675 1g</p>  <p>4,4'-Bis(3,6-di-<i>tert</i>-butyl-9<i>H</i>-carbazol-9-yl)-1,1'-biphenyl CAS RN: 838862-47-8</p>	<p>B4962 1g 5g</p>  <p><i>N,N'</i>-Bis(9,9-dimethyl-9<i>H</i>-fluoren-2-yl)-<i>N,N'</i>-diphenylbenzidine CAS RN: 361486-60-4</p>
<p>B4874 1g 5g</p>  <p>3,3'-Bis(di(<i>p</i>-tolyl)amino)-biphenyl CAS RN: 161485-60-5</p>	<p>B5093 1g 5g</p>  <p><i>N,N'</i>-Bis[4-(diphenylamino)phenyl]-<i>N,N'</i>-di(1-naphthyl)-benzidine CAS RN: 910058-11-6</p>	<p>B5634 1g 5g</p>  <p>DNTPD CAS RN: 199121-98-7</p>	<p>B5117 200mg 1g</p>  <p><i>N,N'</i>-Bis[4-(diphenylamino)phenyl]-<i>N,N'</i>-diphenylbenzidine CAS RN: 209980-53-0</p>	<p>D4863 1g 5g</p>  <p>TPTE CAS RN: 167218-46-4</p>
<p>T3656 1g</p>  <p>TaTm CAS RN: 952431-34-4</p>	<p>T3657 200mg 1g</p>  <p><i>N,N,N',N'</i>-Tetraphenyl[1,1':4'',1''':4''',1''''-quaterphenyl]-4,4''''-diamine CAS RN: 145898-89-1</p>	<p>D4920 200mg 1g</p>  <p>DMFL-TPD CAS RN: 143886-11-7</p>	<p>B4926 200mg 1g</p>  <p>DMFL-NPB CAS RN: 222319-05-3</p>	<p>D5443 200mg 1g</p>  <p>DPFL-NPB CAS RN: 357645-40-0</p>
<p>B4882 200mg 1g</p>  <p>2,7-Bis[<i>N</i>-(<i>m</i>-tolyl)anilino]-9,9'-spirobi[9<i>H</i>-fluorene] CAS RN: 1033035-83-4</p>	<p>B4959 200mg 1g</p>  <p>2,7-Bis[<i>N,N</i>-bis(4-methoxyphenyl)amino]-9,9'-spirobi[9<i>H</i>-fluorene] CAS RN: 1138220-69-5</p>	<p>B4875 200mg 1g</p>  <p>2,7-Bis[<i>N</i>-(1-naphthyl)anilino]-9,9'-spirobi[9<i>H</i>-fluorene] CAS RN: 932739-76-9</p>	<p>B4979 200mg 1g</p>  <p>9,9-Bis[4-[<i>N</i>-(1-naphthyl)anilino]phenyl]fluorene CAS RN: 510775-24-3</p>	<p>B4978 200mg 1g</p>  <p>9,9-Bis[4-[di(2-naphthyl)amino]phenyl]fluorene CAS RN: 916061-87-5</p>
<p>T3634 1g</p>  <p>2,2',7,7'-Tetrakis(diphenylamino)-9,9'-spirobi[9<i>H</i>-fluorene] CAS RN: 189363-47-1</p>	<p>B2079 1g 5g</p>  <p>TAPC CAS RN: 58473-78-2</p>	<p>T3436 200mg 1g</p>  <p>1,3,5-Tris[4-(diphenylamino)phenyl]benzene CAS RN: 147951-36-8</p>	<p>T3437 200mg 1g</p>  <p>1,3,5-Tris[4-[bis(4-methoxyphenyl)amino]phenyl]benzene CAS RN: 142894-38-0</p>	<p>T3439 200mg 1g</p>  <p>1,3,5-Tris[4-(9-carbazolyl)phenyl]benzene CAS RN: 160780-82-5</p>
<p>B5672 1g 5g 25g</p>  <p>TOP-HTM-α1 CAS RN: 872466-50-7</p>	<p>B4908 200mg 1g</p>  <p>HN-D1 CAS RN: 1395881-55-6</p>	<p>B4907 200mg 1g</p>  <p>HN-D2 CAS RN: 1395881-58-9</p>	<p>E0570 1g</p>  <p>9-Ethyl-3-(<i>N</i>-methyl-<i>N</i>-phenylhydrazonomethyl)-carbazole CAS RN: 75232-44-9</p>	<p>E0574 1g</p>  <p>9-Ethylcarbazole-3-carboxaldehyde <i>N</i>-Benzyl-<i>N</i>-phenylhydrazone CAS RN: 75238-79-8</p>
<p>E0571 1g</p>  <p>9-Ethylcarbazole-3-carboxaldehyde Diphenylhydrazone CAS RN: 73276-70-7</p>	<p>D4633 200mg 1g</p>  <p>2,6-Diphenylbenzo[1,2-<i>b</i>:4,5-<i>b'</i>]difuran CAS RN: 5379-77-1</p>	<p>D4753 200mg</p>  <p>10,15-Dihydro-5,5,10,10,15,15-hexamethyl-5<i>H</i>-tribenzo[<i>a,f,k</i>]-trindene CAS RN: 597554-76-2</p>	<p>P1005 25g 250g</p>  <p>Copper(II) Phthalocyanine (α-form) CAS RN: 147-14-8</p>	<p>P1006 25g 100g 500g</p>  <p>Copper(II) Phthalocyanine (β-form) CAS RN: 147-14-8</p>
<p>P1628 1g</p>  <p>Copper Phthalocyanine (purified by sublimation) CAS RN: 147-14-8</p>	<p>C3645 100mg 500mg</p>  <p>Copper(II) Phthalocyanine (purified by sublimation) [for organic electronics] CAS RN: 147-14-8</p>	<p>P0887 5g 25g</p>  <p>Cobalt(II) Phthalocyanine CAS RN: 3317-67-7</p>	<p>C3252 200mg</p>  <p>Cobalt(II) Phthalocyanine (purified by sublimation) CAS RN: 3317-67-7</p>	<p>P0997 1g</p>  <p>Tin(IV) Phthalocyanine Dichloride CAS RN: 18253-54-8</p>



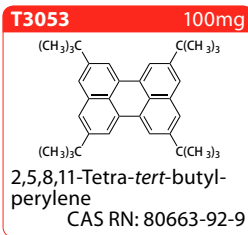
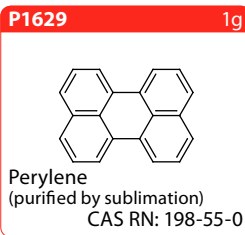
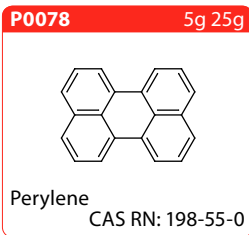
电子传输材料

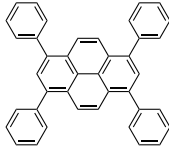
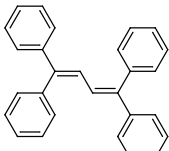
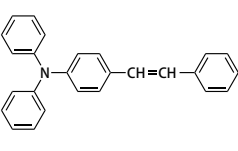
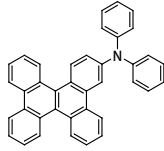
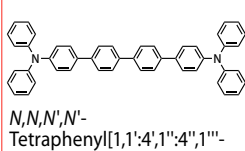
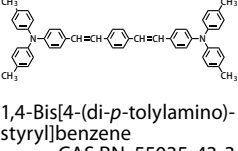
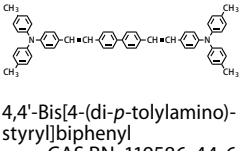
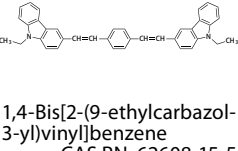
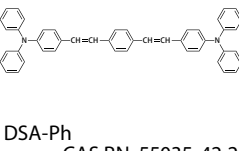
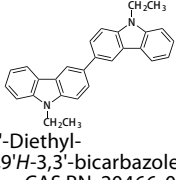
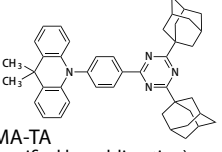
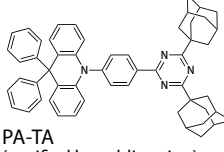
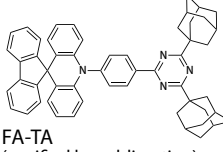
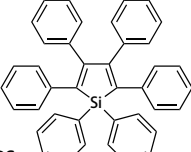
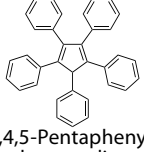
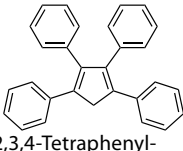
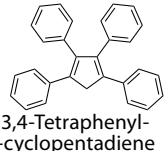
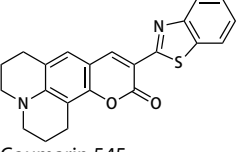
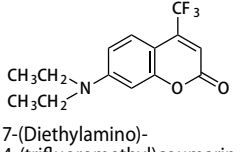
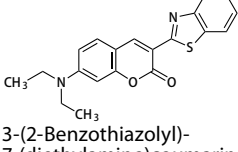
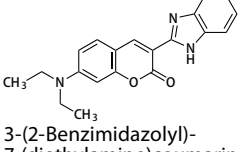
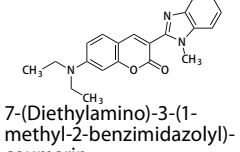
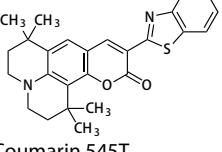
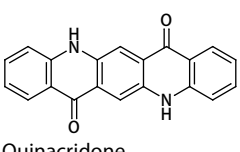
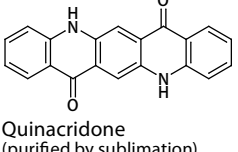
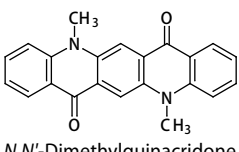
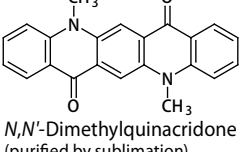
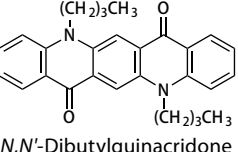
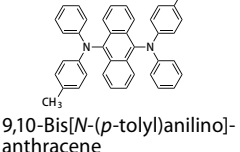
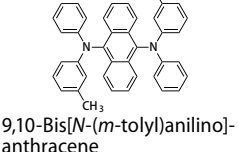
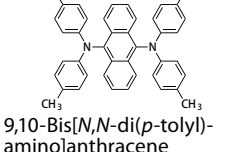
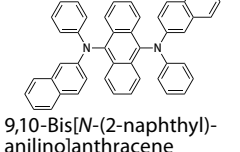
Electron Transport Materials



蓝光掺杂剂

Blue Dopants



T3042 50mg 200mg  1,3,6,8-Tetraphenylpyrene CAS RN: 13638-82-9	T0168 1g 5g  TPB CAS RN: 1450-63-1	S0924 1g 5g  4-Styryltriphenylamine CAS RN: 89114-74-9	D3739 200mg  3-DPADBC CAS RN: 1397202-77-5	T3657 200mg 1g  N,N,N',N'-Tetraphenyl[1,1':4,1'':4'':1''']-quaterphenyl-4,4''-diamine CAS RN: 145898-89-1
B2080 1g  1,4-Bis[4-(di- <i>p</i> -tolylamino)-styryl]benzene CAS RN: 55035-43-3	B4682 200mg  4,4'-Bis[4-(di- <i>p</i> -tolylamino)-styryl]biphenyl CAS RN: 119586-44-6	B4792 200mg  1,4-Bis[2-(9-ethylcarbazol-3-yl)vinyl]benzene CAS RN: 62608-15-5	B5820 200mg 1g  DSA-Ph CAS RN: 55035-42-2	D5387 1g 5g  9,9'-Diethyl-9H,9'H-3,3'-bicarbazole CAS RN: 20466-00-6
D5745 200mg  MA-TA (purified by sublimation) CAS RN: 2250187-15-4	D5746 200mg  PA-TA (purified by sublimation) CAS RN: 2250187-17-6	D5747 200mg  FA-TA (purified by sublimation) CAS RN: 2250187-16-5	H1413 1g  HPS CAS RN: 752-28-3	P1633 100mg 1g  1,2,3,4,5-Pentaphenyl-1,3-cyclopentadiene CAS RN: 2519-10-0
T1333 1g 5g  1,2,3,4-Tetraphenyl-1,3-cyclopentadiene CAS RN: 15570-45-3	T3771 1g  1,2,3,4-Tetraphenyl-1,3-cyclopentadiene (purified by sublimation) CAS RN: 15570-45-3	<div style="background-color: red; color: white; padding: 10px; border: 1px solid black;"> <h2 style="margin: 0;">绿光掺杂剂</h2> <h3 style="margin: 0;">Green Dopants</h3> </div>		
C2900 200mg  Coumarin 545 CAS RN: 85642-11-1	D4466 200mg  7-(Diethylamino)-4-(trifluoromethyl)coumarin CAS RN: 41934-47-8	B2088 1g 5g  3-(2-Benzothiazolyl)-7-(diethylamino)coumarin CAS RN: 38215-36-0	B2111 100mg 1g  3-(2-Benzimidazolyl)-7-(diethylamino)coumarin CAS RN: 27425-55-4	C2837 200mg 1g  7-(Diethylamino)-3-(1-methyl-2-benzimidazolyl)-coumarin CAS RN: 41044-12-6
B4257 200mg  Coumarin 545T CAS RN: 155306-71-1	Q0057 5g 25g  Quinacridone CAS RN: 1047-16-1	Q0083 1g  Quinacridone (purified by sublimation) CAS RN: 1047-16-1	D2687 1g 5g  N,N'-Dimethylquinacridone CAS RN: 19205-19-7	D3227 1g  N,N'-Dimethylquinacridone (purified by sublimation) CAS RN: 19205-19-7
D4780 200mg 1g  N,N'-Dibutylquinacridone CAS RN: 99762-80-8	B5149 200mg 1g  9,10-Bis[N-(<i>p</i> -tolyl)anilino]anthracene CAS RN: 190974-21-1	B4965 200mg 1g  9,10-Bis[N-(<i>m</i> -tolyl)anilino]anthracene CAS RN: 189263-81-8	B4966 200mg 1g  9,10-Bis[N,N-di(<i>p</i> -tolyl)-amino]anthracene CAS RN: 177799-16-5	B5023 200mg 1g  9,10-Bis[N-(2-naphthyl)anilino]anthracene CAS RN: 473717-08-7

