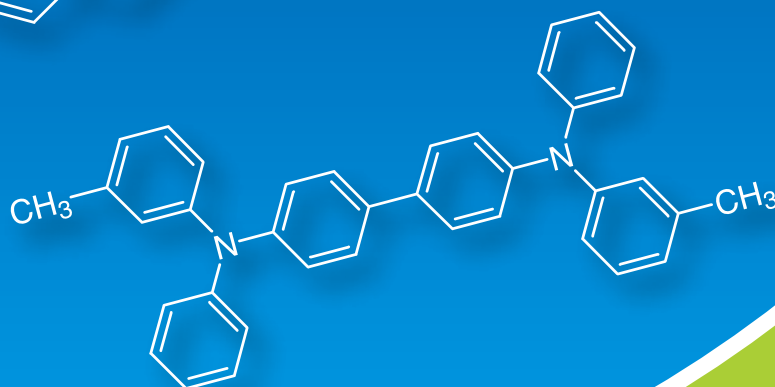
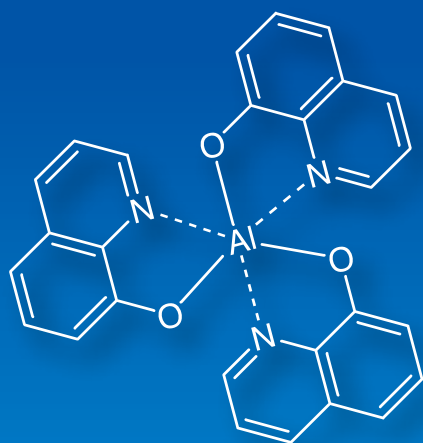


Organic Light-Emitting Diode (OLED) Materials



Host Materials

Hole Transport Materials

Electron Transport Materials

Blue Dopants

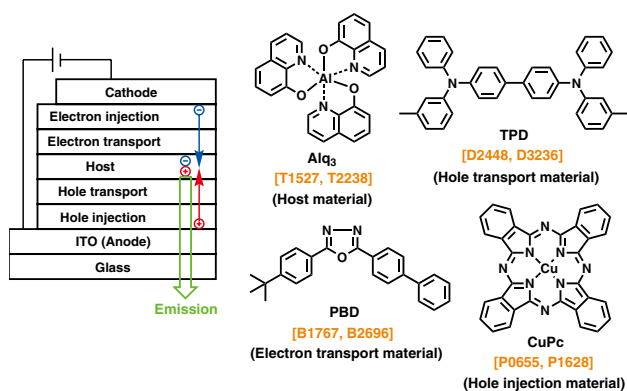
Green Dopants

Red Dopants

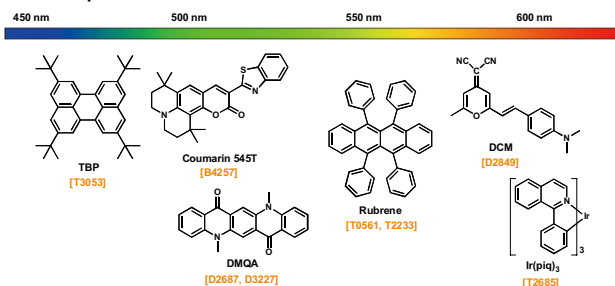
Organic Light-Emitting Diode(OLED) Materials

Organic light-emitting diode (OLED) devices have received much attention, because they are expected to be a next generation display and light source, thanks to lightweight and flexible organic materials. The OLED was focused on practical use, after Tang *et al.* first observed the OLED device by use of a two layered organic thin film.¹⁾ Adachi *et al.* further reported a three layered device, in which a host layer is sandwiched by hole transport and electron transport layers. In addition, they reported a two layered system, in which one layer has roles of host and electron transport properties.^{2,3)} A five layered system including electron injection and hole injection layers has been also studied in order to improve the efficiency of carrier injection. One can control RGB colors of emission by selection of a dopant into a host layer. A suitable combination of the dopant can give a white colored device.^{4,5)} An application using the white organic light-emitting device (WOLED) is an OLED light panel.⁶⁾

An amorphous material is useful for an OLED device, because it is transparent, homogeneous, isotropic and easily processible. A practical OLED device further requires excellent heat-resistance and durability. Many hole transport materials based on triphenylamine derivatives (TPD) are widely usable,



OLED Dopants



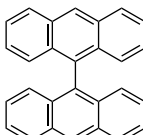
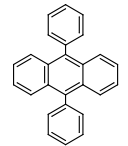
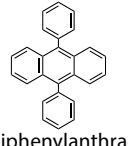
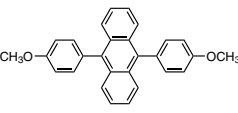
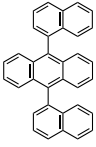
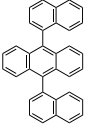
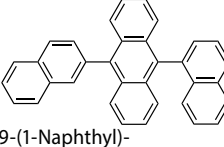
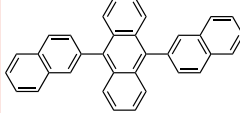
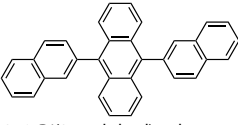
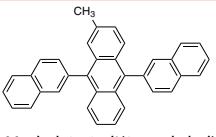
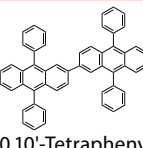
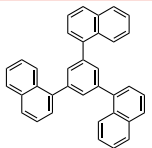
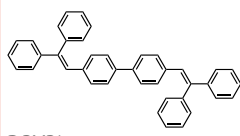
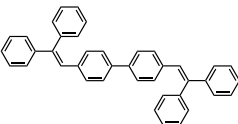
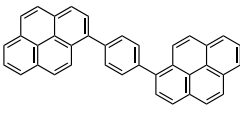
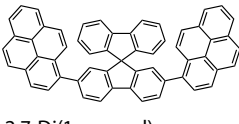
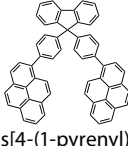
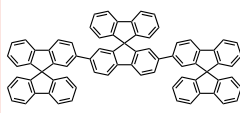
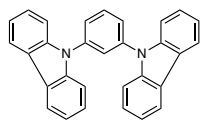
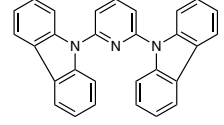
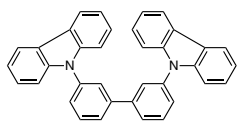
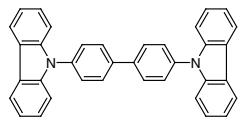
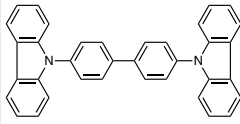
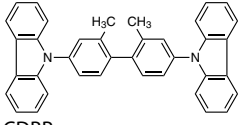
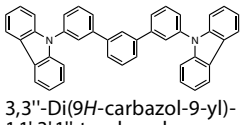
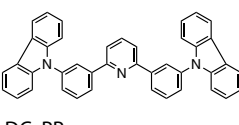
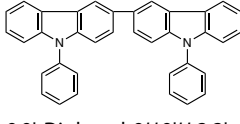
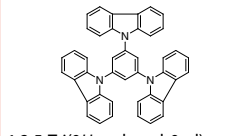
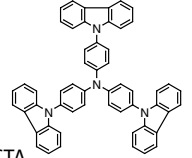
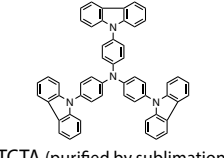
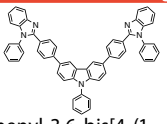
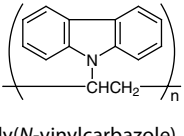
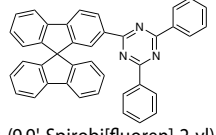
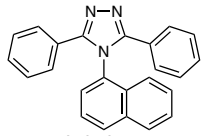
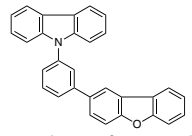
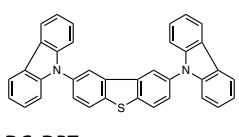
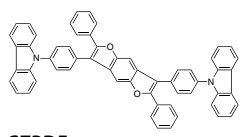
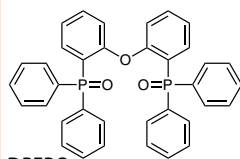
because they are heat-resistant and amorphous.^{7,8)} In addition to the TPDs, oxadiazole derivatives (PBD) having an electron transport property,⁹⁾ Alq₃ as a host material,¹⁾ and blue emissive distylyl derivatives¹⁰⁾ are fundamental materials for amorphous OLED devices.

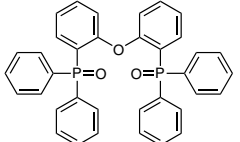
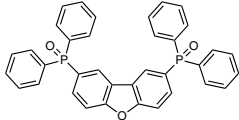
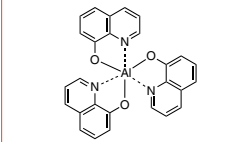
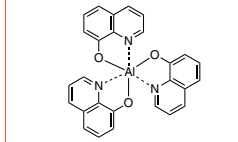
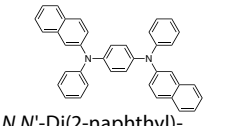
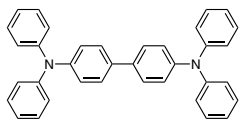
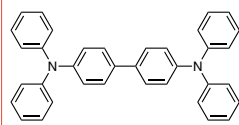
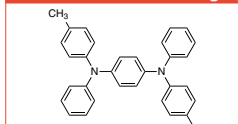
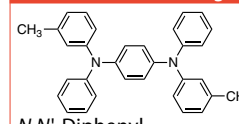
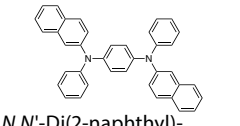
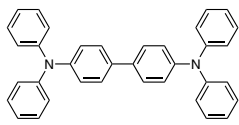
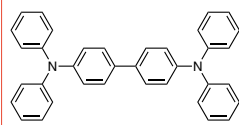
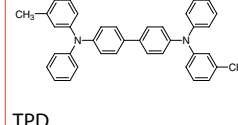
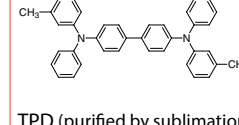
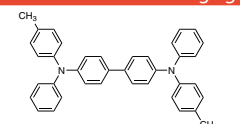
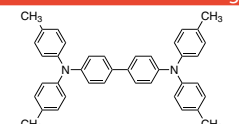
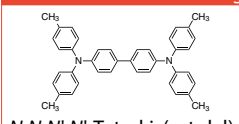
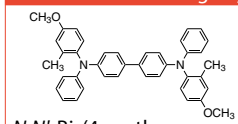
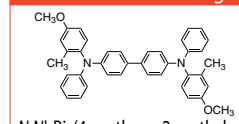
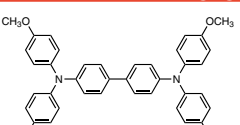
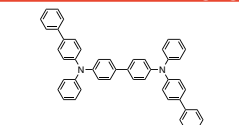
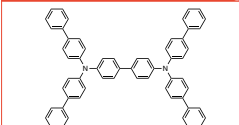
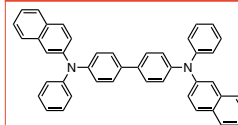
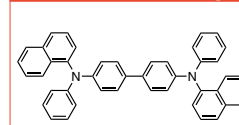
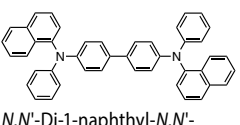
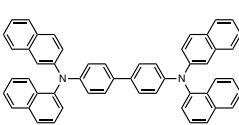
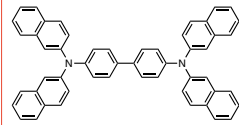
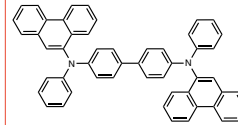
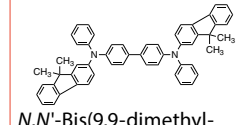
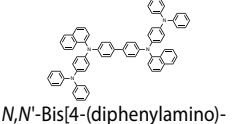
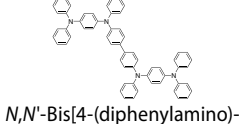
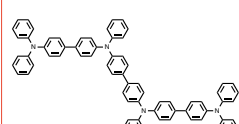
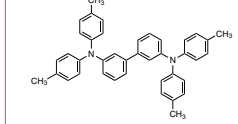
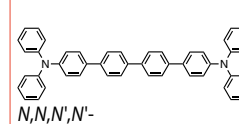
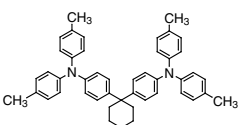
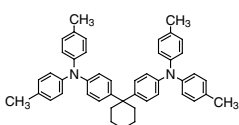
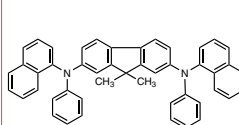
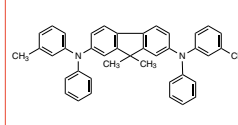
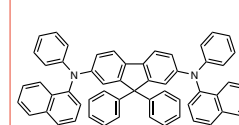
A conventional fluorescent material provides only 25% of a singlet exciton but loses 75% of the triplet one by a nonradiative deactivation, although it has a high current density. On the other hand, a phosphorescent material may provide 100% EL quantum efficiency through an intersystem crossing from singlet to triplet excited states. The phosphorescent Ir(ppy)₃ and its analogues have been reported so far.¹¹⁾ Recently, metal-free materials exhibiting thermally activated delayed fluorescence (TADF) were investigated as well. Adachi *et al.* reported more than 25% quantum efficiency by use of fluorescent materials having a low energy gap between singlet and triplet excited states, because an inverted energy transfer occurs from the triplet to the singlet state.^{12,13)}

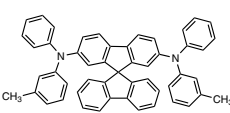
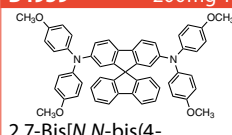
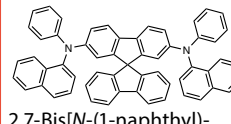
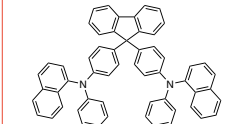
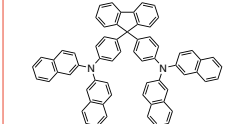
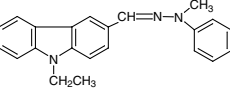
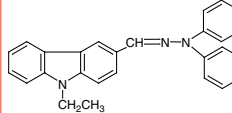
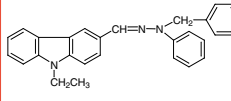
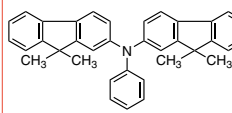
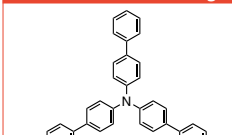
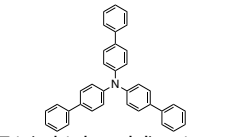
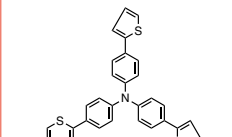
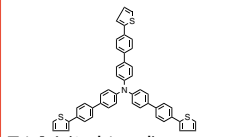
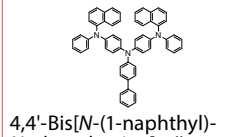
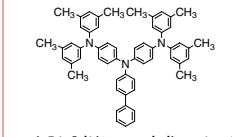
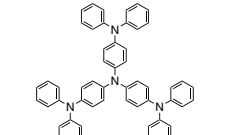
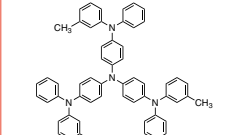
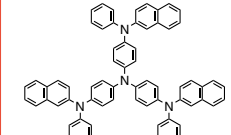
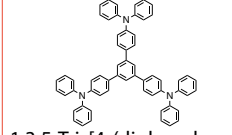
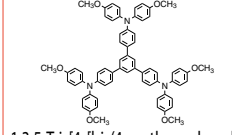
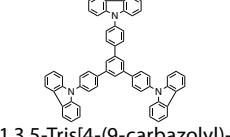
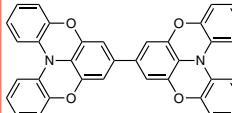
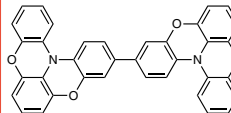
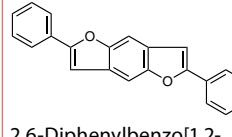

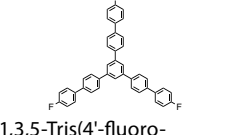
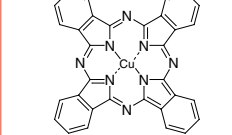
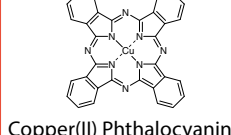
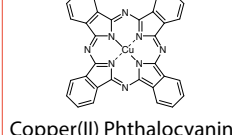
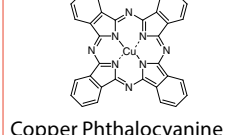
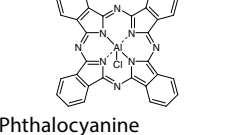
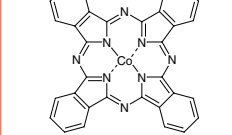
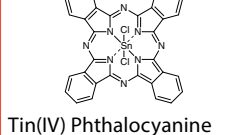
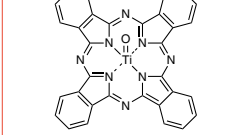
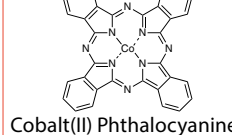
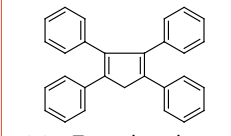
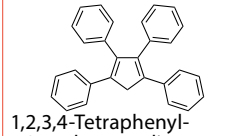
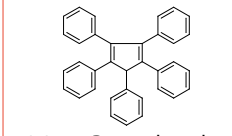
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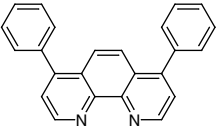
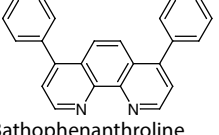
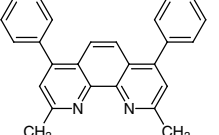
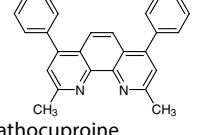
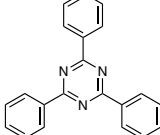
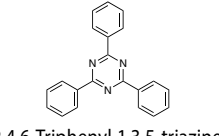
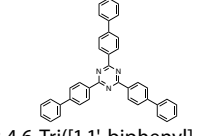
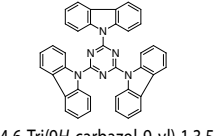
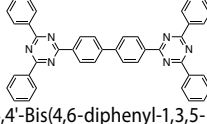
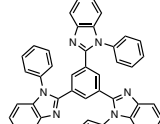
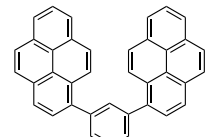
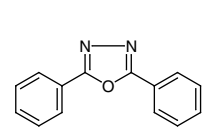
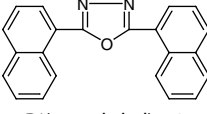
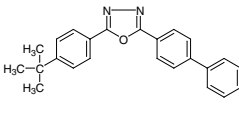
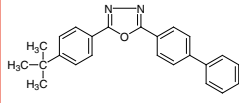
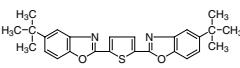
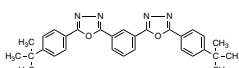
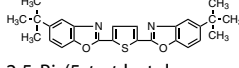
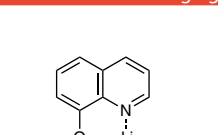
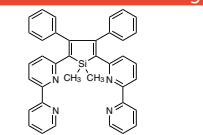
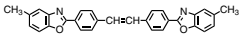
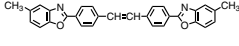
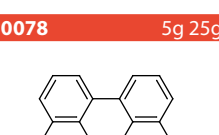
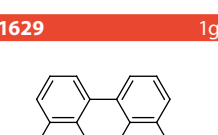
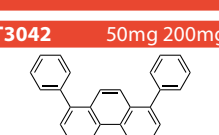
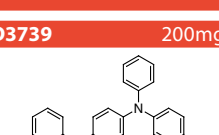
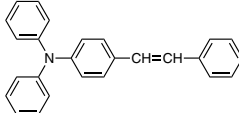
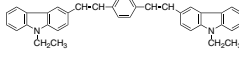
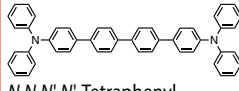
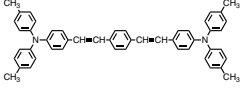
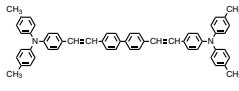
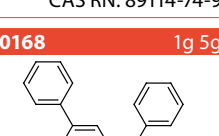
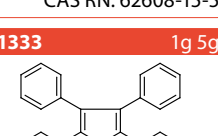
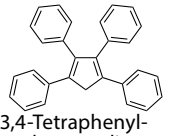
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Host Materials

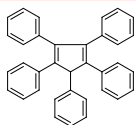
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B5139 200mg 1g  DPVBi (purified by sublimation) CAS RN: 142289-08-5	D4922 200mg 1g  1,4-Di(1-pyrenyl)benzene CAS RN: 475460-77-6	D4932 200mg 1g  2,7-Di(1-pyrenyl)- 9,9'-spirobi[9H-fluorene] CAS RN: 886456-80-0	B4980 200mg 1g  9,9-Bis[4-(1-pyrenyl)- phenyl]fluorene CAS RN: 1174006-47-3	T3433 200mg 1g  TSBF CAS RN: 518997-91-6
D4087 1g  1,3-Di-9-carbazolylbenzene (purified by sublimation) CAS RN: 550378-78-4	B4961 200mg 1g  2,6-Bis(9H-carbazol-9-yl)- pyridine CAS RN: 168127-49-9	D4772 200mg  mCBP CAS RN: 342638-54-4	B2713 1g 5g  CBP CAS RN: 58328-31-7	B4219 1g  CBP (purified by sublimation) CAS RN: 58328-31-7
B4910 200mg  CDBP CAS RN: 604785-54-8	D4904 200mg 1g  3,3''-Di(9H-carbazol-9-yl)- 1,1':3,1''-terphenyl CAS RN: 1116499-73-0	B4702 200mg  DCzPPy CAS RN: 1013405-24-7	D4903 1g 5g  9,9'-Diphenyl-9H,9'H-3,3'- bicarbazole CAS RN: 57102-62-2	T1934 1g 5g  1,3,5-Tri(9H-carbazol-9-yl)- benzene (purified by sublimation) CAS RN: 148044-07-9
T2616 1g 5g  TCTA CAS RN: 139092-78-7	T2274 200mg 1g  TCTA (purified by sublimation) CAS RN: 139092-78-7	P2330 200mg 1g  9-Phenyl-3,6-bis[4-(1- phenylbenzimidazol-2-yl)- phenyl]carbazole CAS RN: 1258780-50-5	P0656 5g  Poly(N-vinylcarbazole) CAS RN: 25067-59-8	P2512 200mg 1g  2-(9,9'-Spirobi[fluoren]-2-yl)- 4,6-diphenyl-1,3,5-triazine CAS RN: 1207176-84-8
N1139 200mg 1g  4-(1-Naphthyl)-3,5- diphenyl-1,2,4-triazole CAS RN: 16152-10-6	D4919 200mg 1g  9-[3-(Dibenzofuran-2-yl)- phenyl]-9H-carbazole CAS RN: 1338446-77-7	B4942 200mg 1g  DCzDBT CAS RN: 913738-04-2	C2780 200mg  CZBDF CAS RN: 1092578-51-2	B5240 1g  DPEPO CAS RN: 808142-23-6

<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>	
<h2>Hole Transport Materials</h2>				
<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>D4905 1g 5g</p>  <p>N,N'-Diphenyl-N,N'-bis(<i>p</i>- tolyl)-1,4-phenylenediamine CAS RN: 138171-14-9</p>	<p>D4930 1g 5g</p>  <p>N,N'-Diphenyl- N,N'-di(<i>m</i>-tolyl)- 1,4-phenylenediamine CAS RN: 80223-29-6</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(<i>p</i>-tolyl)- benzidine CAS RN: 20441-06-9</p>	<p>T2269 5g</p>  <p>N,N,N',N'-Tetrakis(<i>p</i>-tolyl)- benzidine CAS RN: 76185-65-4</p>	<p>T3265 1g</p>  <p>N,N,N',N'-Tetrakis(<i>p</i>-tolyl)- benzidine (purified by sublimation) CAS RN: 76185-65-4</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-methyl- phenyl)-N,N'-diphenylbenzidine (purified by sublimation) CAS RN: 169685-34-1</p>
<p>T3290 200mg 1g</p>  <p>MeO-TPD CAS RN: 122738-21-0</p>	<p>D4928 1g 5g</p>  <p>N,N'-Di(4-biphenyl)- N,N'-diphenylbenzidine CAS RN: 134008-76-7</p>	<p>T3054 1g</p>  <p>N,N,N',N'-Tetrakis(4- biphenyl)benzidine CAS RN: 164724-35-0</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>N,N,N',N'-Tetra(2-naphthyl)- benzidine CAS RN: 141752-82-1</p>	<p>D5177 200mg 1g</p>  <p>N,N'-Di(9-phenanthrenyl)- N,N'-diphenylbenzidine CAS RN: 182507-83-1</p>	<p>B4962 1g 5g</p>  <p>N,N'-Bis(9,9-dimethyl- 9H-fluorene-2-yl)-N,N'- diphenylbenzidine CAS RN: 361486-60-4</p>
<p>B5093 1g 5g</p>  <p>N,N'-Bis[4-(diphenylamino)- phenyl]-N,N'-di(1-naphthyl)- benzidine CAS RN: 910058-11-6</p>	<p>B5117 200mg 1g</p>  <p>N,N'-Bis[4-(diphenylamino)- phenyl]-N,N'-diphenyl- benzidine CAS RN: 209980-53-0</p>	<p>D4863 1g 5g</p>  <p>TPTE CAS RN: 167218-46-4</p>	<p>B4874 1g 5g</p>  <p>3,3'-Bis(di(<i>p</i>-tolyl)amino)- biphenyl CAS RN: 161485-60-5</p>	<p>T3657 200mg 1g</p>  <p>N,N,N',N'- Tetraphenyl[1,1',4',1''',1''''- quaterphenyl]-4,4''-diamine CAS RN: 145898-89-1</p>
<p>B2079 1g 5g</p>  <p>TAPC CAS RN: 58473-78-2</p>	<p>B3146 1g</p>  <p>TAPC (purified by sublimation) CAS RN: 58473-78-2</p>	<p>B4926 200mg 1g</p>  <p>DMFL-NPB CAS RN: 222319-05-3</p>	<p>D4920 200mg 1g</p>  <p>DMFL-TPD CAS RN: 143886-11-7</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>E0570 1g</p>  <p>9-Ethyl-3-(<i>N</i>-methyl-<i>N</i>-phenylhydrazonomethyl)carbazole CAS RN: 75232-44-9</p>	<p>E0571 1g</p>  <p>3-(Diphenylhydrazonomethyl)-9-ethylcarbazole CAS RN: 73276-70-7</p>	<p>E0574 1g</p>  <p>9-Ethyl-3-(<i>N</i>-benzyl-<i>N</i>-phenylhydrazonomethyl)carbazole CAS RN: 75238-79-8</p>	<p>B5045 200mg 1g</p>  <p><i>N,N</i>-Bis(9,9-dimethyl-9<i>H</i>-fluoren-2-yl)aniline CAS RN: 165320-27-4</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>B2305 100mg</p>  <p>4,4'-Bis[<i>N</i>-(1-naphthyl)-<i>N</i>-phenylamino]-4''-phenyltriphenylamine CAS RN: 1073183-32-0</p>	<p>B2269 100mg 1g</p>  <p>4,4'-Bis[di(3,5-xylyl)amino]-4''-phenyltriphenylamine CAS RN: 1249609-49-2</p>
<p>T3062 200mg 1g</p>  <p>TDATA CAS RN: 105389-36-4</p>	<p>T2251 100mg</p>  <p><i>m</i>-MTDATA CAS RN: 124729-98-2</p>	<p>T3233 1g</p>  <p>2-TNATA CAS RN: 185690-41-9</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: 42894-38-0</p>
<p>T3439 200mg 1g</p>  <p>1,3,5-Tris[4-(9-carbazolyl)phenyl]benzene CAS RN: 160780-82-5</p>	<p>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>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>T3462 200mg</p>  <p>1,3,5-Tris(4'-fluoro-biphenyl-4-yl)benzene CAS RN: 372956-40-6</p>	<p>P0655 25g</p>  <p>Copper Phthalocyanine CAS RN: 147-14-8</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>C1167 1g 5g</p>  <p>Phthalocyanine Chloroaluminum CAS RN: 14154-42-8</p>	<p>P0887 5g 25g</p>  <p>Cobalt(II) Phthalocyanine CAS RN: 3317-67-7</p>	<p>P0997 1g</p>  <p>Tin(IV) Phthalocyanine Dichloride CAS RN: 18253-54-8</p>	<p>T2272 200mg 1g</p>  <p>TiOPc (purified by sublimation) CAS RN: 26201-32-1</p>	<p>C3252 200mg</p>  <p>Cobalt(II) Phthalocyanine (purified by sublimation) CAS RN: 3317-67-7</p>
<p>Electron Transport Materials</p>				
	<p>T1333 1g 5g</p>  <p>1,2,3,4-Tetraphenyl-1,3-cyclopentadiene CAS RN: 15570-45-3</p>	<p>T3771 1g</p>  <p>1,2,3,4-Tetraphenyl-1,3-cyclopentadiene (purified by sublimation) CAS RN: 15570-45-3</p>	<p>P1633 100mg 1g</p>  <p>1,2,3,4,5-Pentaphenyl-1,3-cyclopentadiene CAS RN: 2519-10-0</p>	

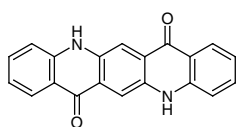
<p>D0905 1g 5g</p>  <p>Bathophenanthroline (purified by sublimation) CAS RN: 1662-01-7</p>	<p>B2695 1g</p>  <p>Bathophenanthroline (purified by sublimation) CAS RN: 1662-01-7</p>	<p>D0711 1g 5g</p>  <p>Bathocuproine CAS RN: 4733-39-5</p>	<p>B2694 1g 5g</p>  <p>Bathocuproine (purified by sublimation) CAS RN: 4733-39-5</p>	<p>T2785 1g 5g</p>  <p>2,4,6-Triphenyl-1,3,5-triazine CAS RN: 493-77-6</p>
<p>T3268 1g</p>  <p>2,4,6-Triphenyl-1,3,5-triazine (purified by sublimation) CAS RN: 493-77-6</p>	<p>T3539 200mg 1g</p>  <p>2,4,6-Tri([1,1'-biphenyl]-4-yl)-1,3,5-triazine CAS RN: 31274-51-8</p>	<p>T2700 1g 5g</p>  <p>2,4,6-Tri(9H-carbazol-9-yl)-1,3,5-triazine (purified by sublimation) CAS RN: 134984-37-5</p>	<p>B4977 200mg 1g</p>  <p>4,4'-Bis(4,6-diphenyl-1,3,5-triazin-2-yl)biphenyl (This product is unavailable in the U.S.) CAS RN: 266349-83-1</p>	<p>T3537 200mg 1g</p>  <p>TPBi CAS RN: 192198-85-9</p>
<p>D4931 200mg 1g</p>  <p>3,5-Di(1-pyrenyl)pyridine CAS RN: 1246467-58-2</p>	<p>D1429 10g</p>  <p>2,5-Diphenyl-1,3,4-oxadiazole CAS RN: 725-12-2</p>	<p>D2757 5g</p>  <p>2,5-Di(1-naphthyl)-1,3,4-oxadiazole CAS RN: 905-62-4</p>	<p>B1767 5g</p>  <p>PBD CAS RN: 15082-28-7</p>	<p>B2696 1g 5g</p>  <p>PBD (purified by sublimation) CAS RN: 15082-28-7</p>
<p>B1554 5g 25g</p>  <p>2,5-Bis(5-tert-butyl-2-benzoxazolyl)thiophene CAS RN: 7128-64-5</p>	<p>B4252 200mg 1g</p>  <p>OXD-7 CAS RN: 138372-67-5</p>	<p>B4221 1g 5g</p>  <p>2,5-Bis(5-tert-butyl-2-benzoxazolyl)thiophene (purified by sublimation) CAS RN: 7128-64-5</p>	<p>Q0100 1g 5g</p>  <p>(8-Quinolinolato)lithium CAS RN: 25387-93-3</p>	<p>B4233 200mg</p>  <p>2,5-Bis(2,2'-bipyridin-6-yl)-1,1-dimethyl-3,4-diphenylsilole CAS RN: 350042-00-1</p>
<p>B1564 5g 25g</p>  <p>4,4'-Bis(5-methyl-2-benzoxazolyl)stilbene CAS RN: 2397-00-4</p>	<p>B2676 1g</p>  <p>4,4'-Bis(5-methyl-2-benzoxazolyl)stilbene (purified by sublimation) CAS RN: 2397-00-4</p>	<h2 style="margin: 0;">Blue Dopants</h2>		
<p>P0078 5g 25g</p>  <p>Perylene CAS RN: 198-55-0</p>	<p>P1629 1g</p>  <p>Perylene (purified by sublimation) CAS RN: 198-55-0</p>			
<p>T3042 50mg 200mg</p>  <p>1,3,6,8-Tetraphenylpyrene CAS RN: 13638-82-9</p>	<p>D3739 200mg</p>  <p>3-DPADBC CAS RN: 1397202-77-5</p>	<p>S0924 1g 5g</p>  <p>4-Styryltriphenylamine CAS RN: 89114-74-9</p>	<p>B4792 200mg</p>  <p>1,4-Bis[2-(9-ethylcarbazol-3-yl)vinyl]benzene CAS RN: 62608-15-5</p>	<p>T3657 200mg 1g</p>  <p>N,N,N',N'-Tetraphenyl-1,1',4',4''-quaterphenyl-3,4''-diamine CAS RN: 145898-89-1</p>
<p>B2080 1g</p>  <p>1,4-Bis[4-(di-p-tolylamino)-styryl]benzene CAS RN: 55035-43-3</p>	<p>B4682 200mg</p>  <p>4,4'-Bis[4-(di-p-tolylamino)-styryl]biphenyl CAS RN: 119586-44-6</p>	<p>T0168 1g 5g</p>  <p>TPB CAS RN: 1450-63-1</p>	<p>T1333 1g 5g</p>  <p>1,2,3,4-Tetraphenyl-1,3-cyclopentadiene CAS RN: 15570-45-3</p>	<p>T3771 1g</p>  <p>1,2,3,4-Tetraphenyl-1,3-cyclopentadiene (purified by sublimation) CAS RN: 15570-45-3</p>

P1633 100mg 1g

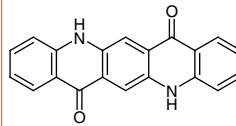

 1,2,3,4,5-Pentaphenyl-1,3-cyclopentadiene
 CAS RN: 2519-10-0

Green Dopants

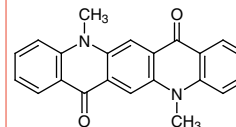
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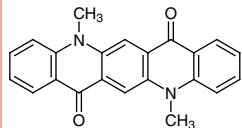
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 Quinacridone (purified by sublimation)
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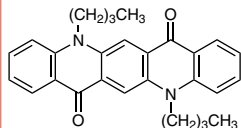
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 N,N'-Dimethylquinacridone
 CAS RN: 19205-19-7

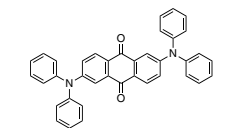
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 N,N'-Dimethylquinacridone (purified by sublimation)
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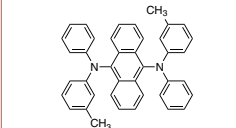
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 N,N'-Dibutylquinacridone
 CAS RN: 99762-80-8

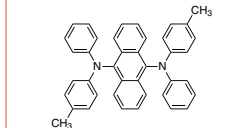
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 2,6-Bis(diphenylamino)-anthraquinone
 CAS RN: 868850-50-4

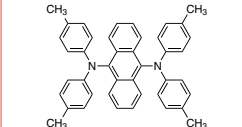
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 9,10-Bis[N-(m-tolyl)anilino]-anthracene
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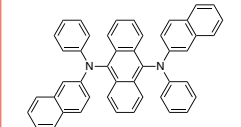
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 9,10-Bis[N-(p-tolyl)anilino]-anthracene
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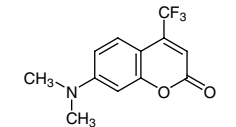
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 9,10-Bis[N,N-di(p-tolyl)-amino]anthracene
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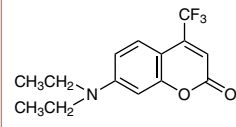
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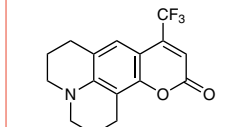
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 7-(Dimethylamino)-4-(trifluoromethyl)coumarin
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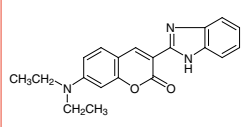
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 7-(Diethylamino)-4-(trifluoromethyl)coumarin
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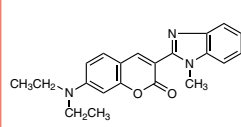
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 Coumarin 153
 CAS RN: 53518-18-6

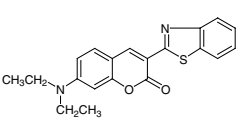
B2111 100mg 1g


 3-(2-Benzimidazolyl)-7-(diethylamino)coumarin
 CAS RN: 27425-55-4

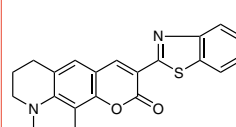
C2837 200mg 1g


 7-(Diethylamino)-3-(1-methyl-2-benzimidazolyl)coumarin
 CAS RN: 41044-12-6

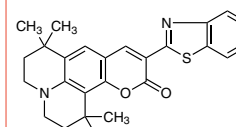
B2088 1g 5g


 3-(2-Benzothiazolyl)-7-(diethylamino)coumarin
 CAS RN: 38215-36-0

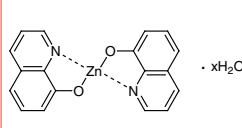
C2900 200mg


 Coumarin 545
 CAS RN: 85642-11-1

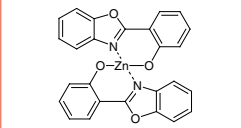
B4257 200mg


 Coumarin 545T
 CAS RN: 155306-71-1

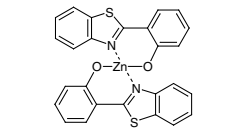
B1678 5g 25g


 Bis(8-quinolinolato)zinc(II) Hydrate
 CAS RN: 13978-85-3

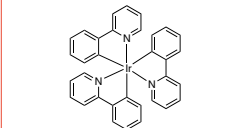
B2078 5g


 Bis[2-(2-benzoxazolyl)-phenolato]zinc(II)
 CAS RN: 23467-27-8

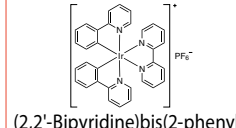
B2077 1g 5g


 Bis[2-(2-benzothiazolyl)-phenolato]zinc(II)
 CAS RN: 58280-31-2

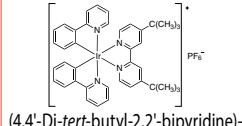
T1946 200mg


 Tris(2-phenylpyridinato)iridium(III) (purified by sublimation)
 CAS RN: 94928-86-6

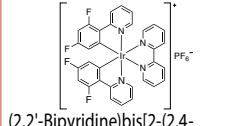
B4893 200mg


 (2,2'-Bipyridine)bis(2-phenylpyridinato)iridium(III) Hexafluorophosphate
 CAS RN: 106294-60-4

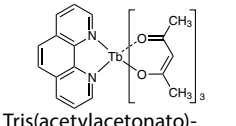
D4887 200mg


 (4,4'-Di-tert-butyl-2,2'-bipyridine)-bis(2-pyridinyl)phenyl]iridium(III) Hexafluorophosphate
 CAS RN: 676525-77-2

B4944 200mg

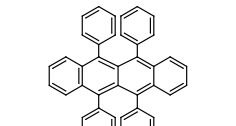

 (2,2'-Bipyridine)bis[2-(2,4-difluoro-phenyl)pyridine]iridium(III) Hexafluorophosphate
 CAS RN: 864163-80-4

T3207 200mg

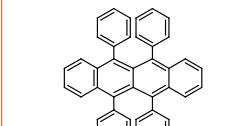

 Tris(acetylacetonato)-(1,10-phenanthroline)-terbium(III)
 CAS RN: 18078-86-9

Red Dopants

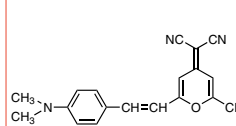
T0561 100mg 1g

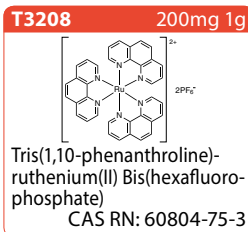
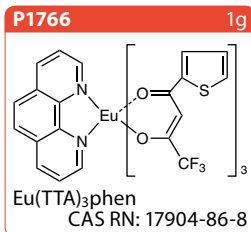
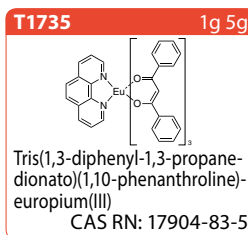
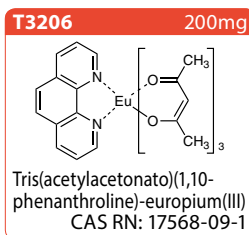
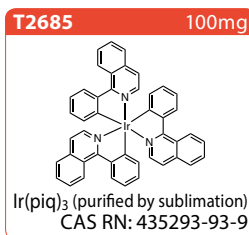
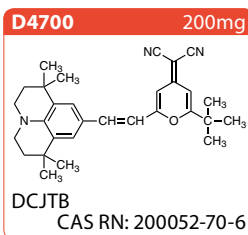
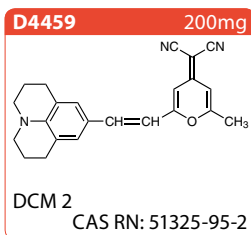

 Rubrene
 CAS RN: 517-51-1

T2233 250mg 1g


 Rubrene (purified by sublimation)
 CAS RN: 517-51-1

D2849 500mg


 DCM
 CAS RN: 51325-91-8



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