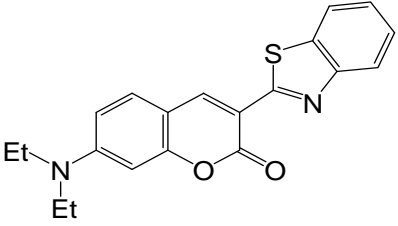
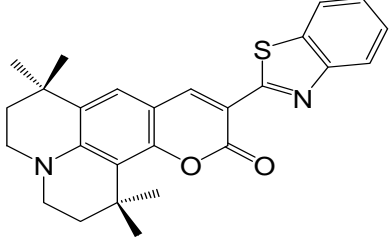
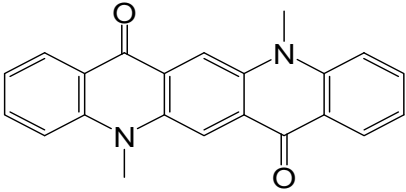
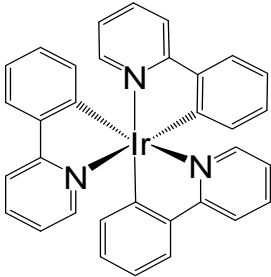
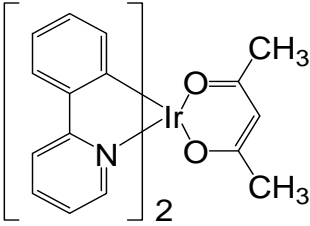
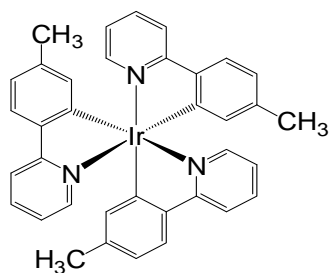


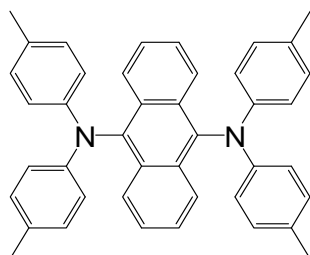
# Green Dopant Materials

LT-E501	Coumarin 6	<b>3-(2-Benzothiazolyl)-7-(diethylamino)coumarin</b>
		Formula : $C_{20}H_{18}N_2O_2S$
		Molecular Weight : 350.43 g/mole
		Thermal Gravimetric Analysis : 280°C (0.5% weight loss)
		Absorption : 443nm (in THF)
		Photoluminescence : 494nm (in THF)
LT-E502	C545T	<b>2,3,6,7-Tetrahydro-1,1,7,7,-tetramethyl-1H, 5H,11H-10-(2-benzothiazolyl)quinolizino[9,9a,1gh]coumarin</b>
		Formula : $C_{26}H_{26}N_2O_2S$
		Molecular Weight : 430.56 g/mole
		Thermal Gravimetric Analysis : 260°C (0.5% weight loss)
		Absorption : 473nm (in THF)
		Photoluminescence : 506nm (in THF)
LT-E503	DMQA	<b>N,N'-Dimethyl-quinacridone</b>
		Formula : $C_{22}H_{16}N_2O_2$
		Molecular Weight : 340.37 g/mole
		Thermal Gravimetric Analysis : 330°C (0.5% weight loss)
		Absorption : 294, 510nm (in THF)
		Photoluminescence : 523nm (in THF)
LT-E504	<b>Ir(ppy)<sub>3</sub></b>	<b>Tris(2-phenylpyridine)iridium(III)</b>
		Formula : $C_{33}H_{24}IrN_3$
		Molecular Weight : 654.78 g/mole
		Thermal Gravimetric Analysis : 330°C (0.5% weight loss)
		Absorption : 282, 377nm (in THF)
		Photoluminescence : 513nm (in THF)
LT-E505	<b>Ir(ppy)<sub>2</sub>(acac)</b>	<b>Bis(2-phenylpyridine)(acetylacetonate)iridium(III)</b>
		Formula : $C_{27}H_{23}IrN_2O_2$
		Molecular Weight : 599.70 g/mole
		Thermal Gravimetric Analysis : 290°C (0.5% weight loss)
		Absorption : 259nm (in THF)
		Photoluminescence : 378, 524nm (in THF)

**LT-N506****Ir(mppy)<sub>3</sub>****Tris[2-(p-tolyl)pyridine]iridium(III)**Formula : C<sub>36</sub>H<sub>30</sub>IrN<sub>3</sub>

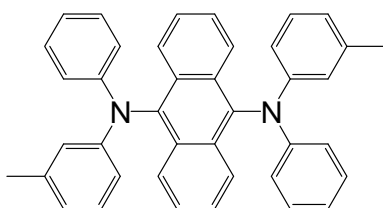
Molecular Weight : 696.86 g/mole

Thermal Gravimetric Analysis : 360°C (0.5% weight loss)

Absorption : 287, 373nm (in CH<sub>2</sub>Cl<sub>2</sub>)Photoluminescence : 514nm (in CH<sub>2</sub>Cl<sub>2</sub>)Reference : *Appl. Phys. Lett.*, Vol. 84, No. 14, 5 April 2004, 2476-247**LT-N507****TTPA****9,10-Bis[N,N-di-(p-tolyl)-amino]anthracene**Formula : C<sub>42</sub>H<sub>36</sub>N<sub>2</sub>

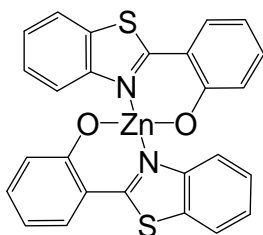
Molecular Weight : 568.75 g/mole

Thermal Gravimetric Analysis : 310°C (0.5% weight loss)

Absorption : 294, 471nm (in CH<sub>2</sub>Cl<sub>2</sub>)Photoluminescence : 554nm (in CH<sub>2</sub>Cl<sub>2</sub>)Reference : *Chem. Mater.*, 2002, 14, 3958-3963.**LT-N508****TPA****9,10-Bis[phenyl(m-tolyl)-amino]anthracene**Formula : C<sub>40</sub>H<sub>32</sub>N<sub>2</sub>

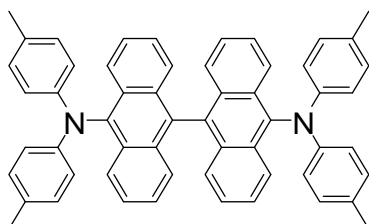
Molecular Weight : 540.70 g/mole

Thermal Gravimetric Analysis : 290°C (0.5% weight loss)

Absorption : 292, 458nm (in CH<sub>2</sub>Cl<sub>2</sub>)Photoluminescence : 532nm (in CH<sub>2</sub>Cl<sub>2</sub>)Reference : *Chem. Mater.*, 2002, 14, 3958-3963.**LT-N509****Zn(BTZ)<sub>2</sub>****Bis[2-(2-hydroxyphenyl)benzothiazolato]zinc(II)**Formula : C<sub>26</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub>S<sub>2</sub>Zn

Molecular Weight : 517.96 g/mole

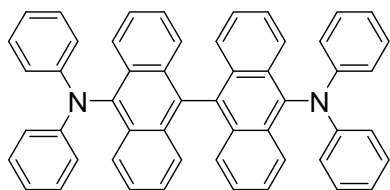
Thermal Gravimetric Analysis : 330°C (0.5% weight loss)

Absorption : 287, 334nm (in CH<sub>2</sub>Cl<sub>2</sub>)Photoluminescence : 458nm (in CH<sub>2</sub>Cl<sub>2</sub>)Reference : *Current Applied Physics*. 2 (2002), 295-298.**LT-N510****BA-TTB****N<sup>10</sup>,N<sup>10</sup>,N<sup>10'</sup>,N<sup>10'</sup>-tetra-tolyl-9,9'-bianthracene-10,10'-diamine**Formula : C<sub>56</sub>H<sub>44</sub>N<sub>2</sub>

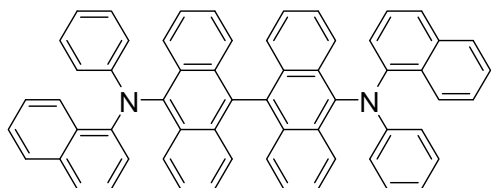
Molecular Weight : 744.96 g/mole

Thermal Gravimetric Analysis : 380°C (0.5% weight loss)

Absorption : 257nm (in CH<sub>2</sub>Cl<sub>2</sub>)Photoluminescence : 546nm (in CH<sub>2</sub>Cl<sub>2</sub>)

**LT-N511****BA-TAD** **$N^{10},N^{10'},N^{10'},N^{10'}$ -tetraphenyl-9,9'-bianthracene-10,10'-diamine**Formula :  $C_{52}H_{36}N_2$ 

Molecular Weight : 688.86 g/mole

Absorption : 257nm (in  $CH_2Cl_2$ )Photoluminescence : 518nm (in  $CH_2Cl_2$ )**LT-N512****BA-NPB** **$N^{10},N^{10'}$ -diphenyl- $N^{10},N^{10'}$ -dinaphthalenyl-9,9'-bianthracene-10,10'-diamine**Formula :  $C_{60}H_{40}N_2$ 

Molecular Weight : 788.97 g/mole

Thermal Gravimetric Analysis : 370°C (0.5% weight loss)

Absorption : 357, 441nm (in  $CH_2Cl_2$ )Photoluminescence : 517nm (in  $CH_2Cl_2$ )