



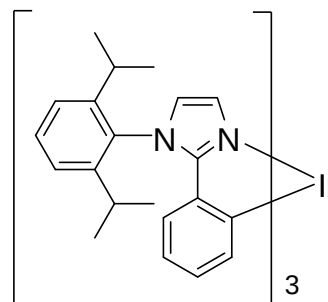
Luminescence Technology Corp.

High-performance Blue Phosphorescent Emitter Material for OLED

Product Specifications

LT-N643 *fac*-Ir(iprpmi)₃

Formula	C ₆₃ H ₆₉ IrN ₆
Molecular Weight	1102.48 g/mole
5% wt loss Temp	365 °C (by TGA)
Absorption	262, 350nm (in CH ₂ Cl ₂)
Photoluminescence	473, 505nm (in CH ₂ Cl ₂)
HOMO energy level	-4.91eV
LUMO energy level	-2.15eV
Assay	>98% (by HPLC)



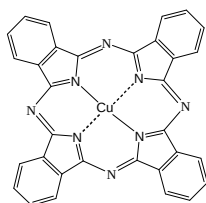
Features

- High-performance OLED device, exhibiting η_{ext} 12%
- The EL spectra show blue emission at λ_{max} = 473nm
- High evaporating stability

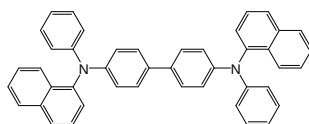
Device Application

ITO/CuPc(10nm)/NPB(30nm)/mCBP:LT-N643(9%,30nm)/BAIq(40nm)/Al

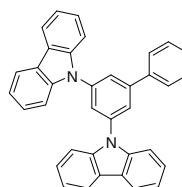
Related products from Lumtec:



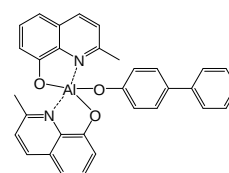
LT-E201 CuPc



LT-E101 NPB



LT-N4042 mCBP



LT-E407 BAIq

Materials are used by qualified for testing and research only, there are not guaranteed in patent contention by customer use.

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