

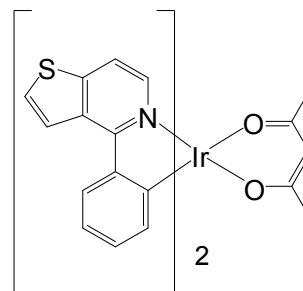


High Efficient Yellow Emitting Material for Organic Light-Emitting Devices

Product Specifications

LT-N748 PO-01

Grade	Sublimed, > 99% (HPLC)
Formula	$C_{31}H_{23}IrN_2O_2S_2$
Molecular Weight	712.08 g/mole
Absorption	444 nm (in CH_2Cl_2)
Photoluminescence	555 nm (in CH_2Cl_2)
HOMO/LUMO	5.1 eV/2.9 eV



Reference : TW I242999, US 7445857

Features

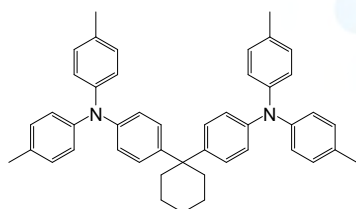
- On fabricating a yellow PHOLED by doping PO-01 with host as the emitter, the device achieved a high power efficiency of 58.2 lm/W and an external quantum efficiency of 23.6%.
- By using the efficient yellow phosphor PO-01 complex, the white OLED displayed a high power efficiency of 49.0 lm/W and a low driving voltage of 3.2V at practical brightness of 1000 cd/m².

Device Application

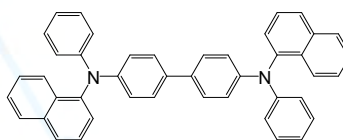
The Best Device :

ITO/PEDOT/TAPC(40 nm)/3wt% PO-01:NPB(15 nm)/TmPyPB(50 nm)/LiF(0.8 nm)/Al(120 nm)

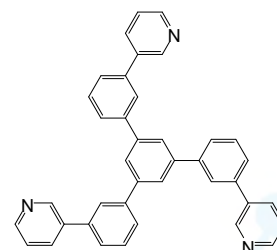
Related products from Lumtec :



LT- N137 TAPC



LT- N101 NPB



LT-N863 TmPyPB