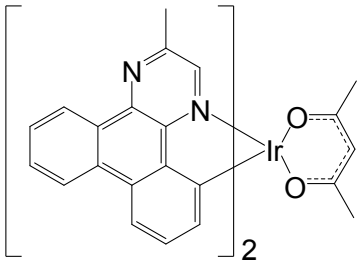
Lumtec Luminescence Technology Corp.

The red dopant material $Ir(MDQ)_2(acac)$ was used in several high performance luminescence devices

Product Specifications

LT-N753 $Ir(MDQ)_2(acac)$

CAS No.	536755-34-7
Grade	Sublimed, > 99% (HPLC)
Formula	$C_{39}H_{29}IrN_4O_2$
Molecular Weight	777.88 g/mole
Absorption	325, 428 nm (in CH_2Cl_2)
Photoluminenscence	616 nm (in CH_2Cl_2)
TGA	>290 °C (0.5% weight loss)



Reference : *1. Organic Electronics 15 (2014) 1368–1377*

2. Adv. Mater. 2014, 26, 1617–1621

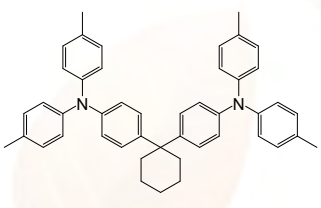
3. Organic Electronics 15 (2014) 182–188

Features

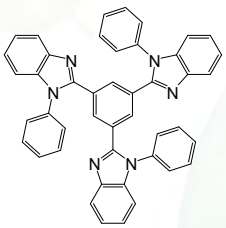
- $Ir(MDQ)_2(acac)$ used to fabricate Red phosphorescent organic light-emitting devices with a high efficiency of 49.2 cd/A.
- A fluorescence/phosphorescence hybrid white OLEDs with high efficiency of 40.3 lm/W.
- The high-color-quality white emission in an AC-driven field-induced electroluminescenc (FIPEL) device with CIE (0.36, 0.37) and a CRI as high as 97.1.

Device Application

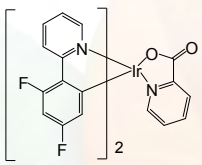
Related products from Lumtec :



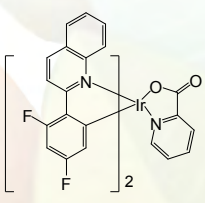
LT-N137 TAPC



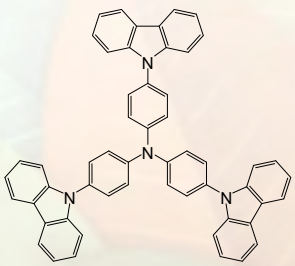
LT-E302 TPBi



LT-E607 FIrpic



LT-N765 FPQIrpic



LT-E207 TCTA

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