



Ultra High Efficient Red Emitting Material for Organic Light-Emitting Devices

Product Specifications

LT-N771 PR-08

Grade Sublimed, > 99%(HPLC)

Absorption 448 nm (in CH₂Cl₂)

Photoluminescence 600 nm (in CH₂Cl₂)

HOMO/LUMO 5.0 eV/3.0 eV

Reference : Applied Mechanics and Materials, 2015, 748 57-61

Features

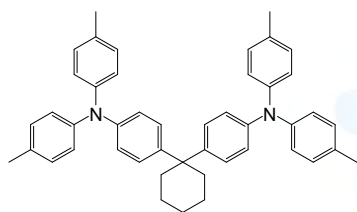
- On fabricating a Red PHOLED by doping PR-08 with host as the emitter, the device achieved a high power efficiency of 48.0 lm/W and an external quantum efficiency of 29.8%.
- PR-08 also can be used for the solution process OLED, the device achieved a high power efficiency of 24.1 lm/W and an external quantum efficiency of 16.2%.

Device Application

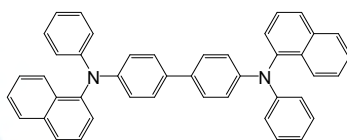
The Best Device :

ITO/PEDOT/TAPC(40 nm)/3wt% PR-08:NPB(15 nm)/TmPyPB(50 nm)/LiF(1 nm)/Al(120 nm)

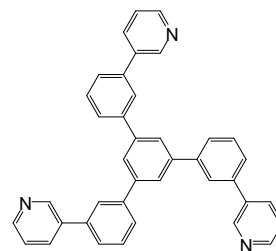
Related products from Lumtec :



LT- N137 TAPC



LT- N101 NPB



LT-N863 TmPyPB