



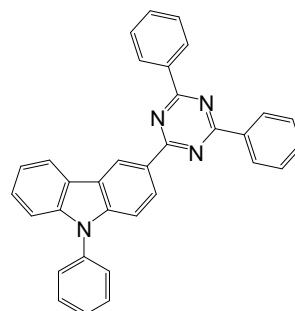
Bipolar host materials based on 1,3,5-triazine derivatives for highly efficient phosphorescent OLEDs

Product Specifications

CS10214 DPTPCz

CAS No.	1313391-57-9
Grade	Sublimed, > 99% (HPLC)
Formula	$C_{33}H_{22}N_4$
Molecular Weight	474.55 g/mole
Absorption	305, 353 nm(in ethyl acetate)
Photoluminescence	416 nm(in ethyl acetate)
HOMO/LUMO	5.69 eV/2.67 eV

Reference : *Phys. Chem. Chem. Phys.*, 2012, 14, 14255–14261



Features

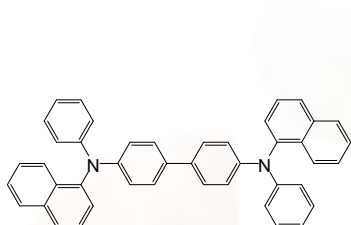
- Bipolar host materials, DPTPCz, with high triplet energy levels of 2.78eV for PhOLEDs.
- The phosphorescent devices based on DPTPCz exhibit maximum external quantum efficiencies of 14.4% (for blue device) and 21.2% (for green device), and maintain high efficiencies of 11.9% and 20.0% even at a high luminance of 10,000 cd/m².

Device Application

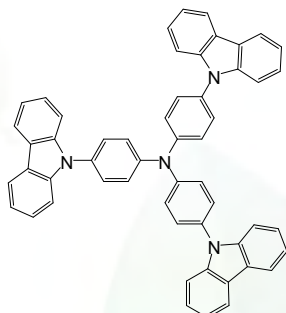
The Best Device :

ITO/NPB (30 nm)/TcTa (10 nm)/12 wt% FlrPic: DPTPCz (30 nm)/TAZ (30 nm)/LiF (1 nm)/Al

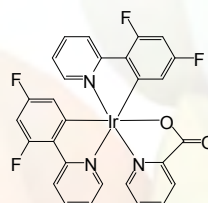
Related products from Lumtec :



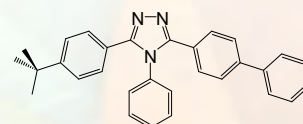
LT-E101 NPB



LT- E207 TcTa



LT-E607 FlrPic



LT-N836 TAZ