



CERTIFICATE OF ANALYSIS

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1. Identification

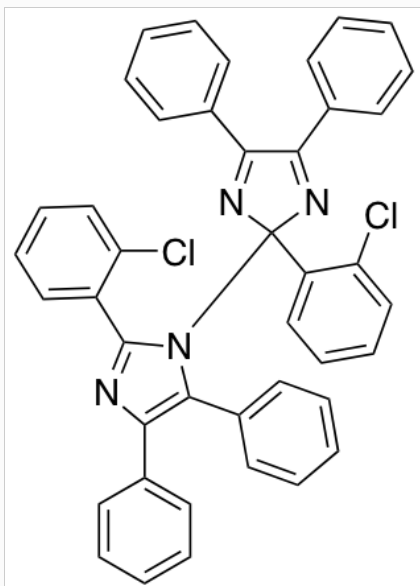
Catalogue Number: C375435

CAS Number: 7189-82-4

Product: 2,2'-Bis(2-chlorophenyl)-4,4',5,5'-tetraphenyl-1,2'-biimidazole

Synonym: 2-(2-chlorophenyl)-1-[2-(2-chlorophenyl)-4,5-diphenyl-2H-imidazol-2-yl]-4,5-diphenyl-1H-Imidazole; 2-(o-chlorophenyl)-1-[2-(o-chlorophenyl)-4,5-diphenyl-2H-imidazol-2-yl]-4,5-diphenyl-Imidazole (7CI,8CI); 2-(2-Chlorophenyl)-1-[2-(2-chlorophenyl)-4,5-diphenyl-2H-imidazol-2-yl]-4,5-diphenyl-1H-imidazole; 2,2-Bis-(2-chlorophenyl)-4,5,4',5'-tetraphenyl-2'H-[1,2]biimidazolyl; 2,2'-Bis(2-chlorophenyl)-4,4',5,5'-tetraphenyl-1,2'-biimidazole; 2,2'-Bis(2-chlorophenyl)-4,5,4',5'-tetraphenyl-1,2'-biimidazo

Structure:



Molecular Formula:

$C_{42}H_{28}Cl_2N_4$

Molecular weight:

659.61

Source of Product:

N/A

Solubility:

Chloroform (Slightly), DMSO (Slightly)

Lot Number: 2022-QIU-132

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Pale Yellow to Yellow Solid	Pale Yellow to Light Yellow Solid
HPLC Purity	Report Result	99.47% (270 nm)
MS	Conforms to Structure	Conforms
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 75.04, %H: 4.28, %N: 8.59

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	Chanell Chu	1/3/2023	1/1/2027

