



CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA
Tel: (416) 665-9696, Fax: (416) 665-4439
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

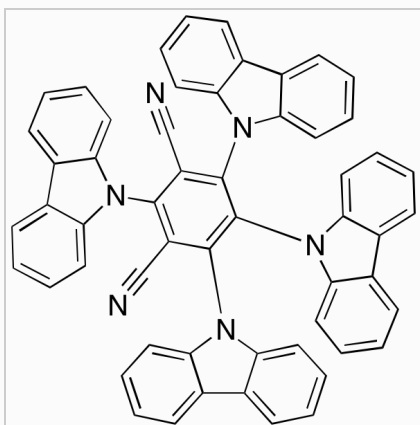
Catalogue Number: T889528

CAS Number: 1416881-52-1

Product: 2,4,5,6-Tetra(9H-carbazol-9-yl)isophthalonitrile

Synonym: 2,4,5,6-Tetra-9H-carbazol-9-yl-1,3-benzenedicarbonitrile; 1,2,3,5-Tetrakis(carbazol-9-yl)-4,6-dicyanobenzene; 2,4,5,6-Tetra(9H-carbazol-9-yl)isophthalonitrile

Structure:



Molecular Formula:

$C_{56}H_{32}N_6$

Molecular weight:

788.89

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly, Heated, Sonicated)

Lot Number: 1-SIE-46-5

Purity: 97%

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	Light Yellow to Dark Yellow Solid	Light Yellow Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 84.42, %H: 4.11, %N: 10.63
HPLC Purity	Report Result	97.66% (230 nm)
FT-IR	Conforms to Structure	Conforms

Additional Information: Contains: ~0.8% Diethyl Ether

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
Nicole Yip	Toni Rantanen	Chanell Chu	6/27/2022	6/25/2026
				