



CERTIFICATE OF ANALYSIS

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1. Identification

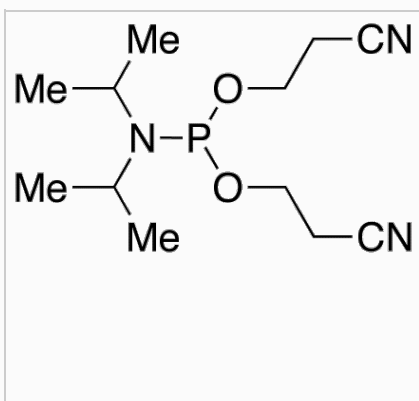
Catalogue Number: B420000

CAS Number: 102690-88-0

Product: Bis(2-cyanoethyl)-N,N-diisopropyl Phosphoramidite

Synonym: Bis(2-cyanoethoxy) (diisopropylamino)phosphine, Bis(2-cyanoethoxy)-N,N-diisopropylaminophosphine;

Structure:



Molecular Formula:

C₁₂H₂₂N₃O₂P

Molecular weight:

271.3

Source of Product:

N/A

Solubility:

Chloroform (Sparingly),
DMSO (Slightly), Ethyl Acetate
(Slightly), Methanol (Sli

Lot Number: 2022-SBL-023

Purity: 94%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Colourless to Light Yellow Oil	Clear Colourless Oil
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
P NMR	Conforms to Structure	Conforms
FT-IR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms

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 ± 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
Sarbjeet Kaur	Toni Rantanen	Chanell Chu	11/11/2022	11/9/2026