



CERTIFICATE OF ANALYSIS

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1. Identification

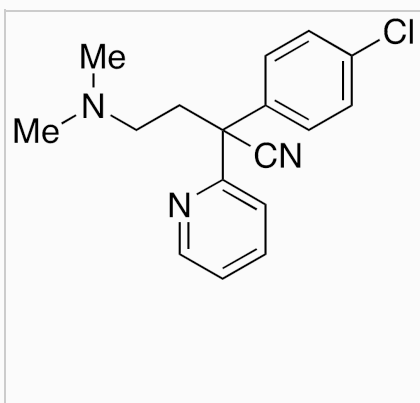
Catalogue Number: C424315

CAS Number: 65676-21-3

Product: Chlorpheniramine Nitrile

Synonym: α -(4-Chlorophenyl)- α -[2-(dimethylamino)ethyl]-2-pyridineacetonitrile;
 α -(p-Chlorophenyl)- α -[2-(dimethylamino)ethyl]-2-pyridineacetonitrile;

Structure:



Molecular Formula:

C₁₇H₁₈ClN₃

Molecular weight:

299.8

Source of Product:

Synthetic

Solubility:

Acetonitrile (Slightly), DMSO (Slightly), Ethyl Acetate (Slightly)

Lot Number: 3-SIE-198-1

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	Colourless to Pale Yellow Thick Oil to Solid	Off-White to Pale Yellow Semi-Solid to Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 68.04, %H: 5.64, %N: 13.32
HPLC Purity	Report Result	99.63% (225 nm)
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 \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
Sarbjot Kaur	Toni Rantanen	Chanell Chu	2/21/2024	2/19/2028