



CERTIFICATE OF ANALYSIS

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1. Identification

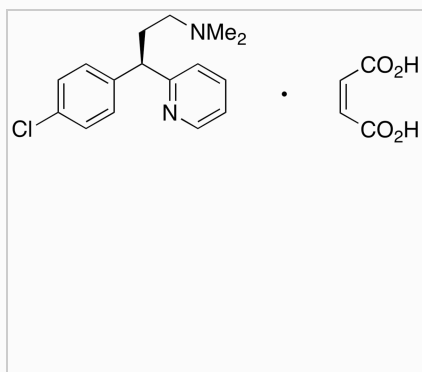
Catalogue Number: C424306

CAS Number: 23095-76-3

Product: (R)-(-)-Chlorpheniramine Maleate

Synonym: (γR)-γ-(4-chlorophenyl)-N,N-dimethyl-2-Pyridinepropanamine (2Z)-2-butenedioate (1:1); (R)-γ-(4-chlorophenyl)-N,N-dimethyl-2-Pyridinepropanamine (Z)-2-butenedioate (1:1); (-)-2-[p-chloro-α-[2-(dimethylamino)ethyl]benzyl]-Pyridine maleate (1:1); (-)-Chlorpheniramine maleate; (R)-γ-(4-chlorophenyl)-N,N-dimethyl-2-Pyridinepropanamine (2Z)-2-butenedioate (1:1); L-Chlorpheniramine maleate

Structure:



Molecular Formula:

$C_{16}H_{19}ClN_2 \cdot C_4H_4O_4$

Molecular weight:

274.79 + 116.07

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly), DMF (Slightly), Methanol (Slightly)

Lot Number: 2-RTW-140-1

Purity: 98%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 60.97, %H: 6.04, %N: 6.83
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.94% (225 nm)

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
Evan Burns	Toni Rantanen	Chanell Chu	9/19/2022	9/17/2026
				