



CERTIFICATE OF ANALYSIS

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1. Identification

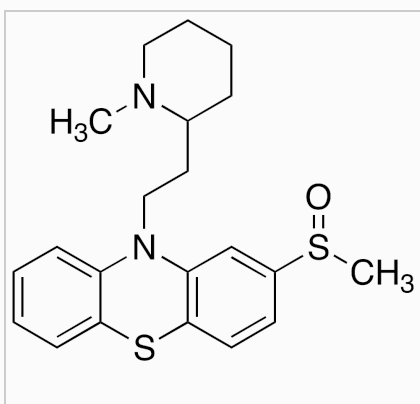
Catalogue Number: M225760

CAS Number: 5588-33-0

Product: Mesoridazine

Synonym: 10-[2-(1-Methyl-2-piperidiny)ethyl]-2-(methylsulfinyl)-phenothiazine; 1-Methyl-2-[2-(methylsulfinyl)phenothiazin-10-yl]ethyl]piperidine; 10-[2-(1-Methyl-2-piperidyl)ethyl]-2-(methylsulfinyl)phenothiazine; NSC 186066; Serentil; TPS 23; Thioridazine-2-sulfoxide; Thioridazine EP Impurity D;

Structure:



Molecular Formula:

C₂₁H₂₆N₂OS₂

Molecular weight:

386.57

Source of Product:

Synthetic

Solubility:

Acetonitrile (Slightly), Chloroform (Slightly), DMSO (Slightly), Methanol (Slightly)

Lot Number: 6-KSK-172-3

Purity: 95%

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 Orange Sticky Solid	Light Yellow to Orange Sticky Solid
Elemental Analysis	Conforms	%C: 62.23, %H: 7.29, %N: 7.13
HPLC Purity	Report Result	95.62% (260 nm)
MS	Conforms to Structure	Conforms
NMR	Conforms to Structure	Conforms
Specific Rotation	Report Result	+0.0° (c = 0.3, Methanol)
Water Content	Report Result	~4.7% based on Elemental Analysis

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
Neha Khanna	Toni Rantanen	Christina Gouliaras	5/19/2022	5/17/2026
				