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## CERTIFICATE OF ANALYSIS

Analysis Date: Feb 2025

Re-test Date: Jan 2028

**Product Name: Promethazine EP Impurity C**

### Identification:

Chemical Name: (2RS)-N-methyl-1-(10H-phenothiazin-10-yl)propan-2-amine

Synonyms : Desmethyl Promethazine

CAS Number : 37707-23-6

CAT Number : CP-P86003

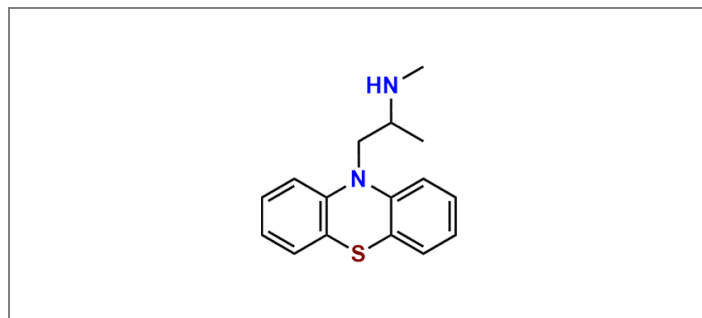
Molecular Formula : C<sub>16</sub>H<sub>18</sub>N<sub>2</sub>S

Molecular Weight : 270.39

Batch Number : CP-PRO-DES-0823

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	White to Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.30%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	0.139%
9)	Potency by TGA	99.16%



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.