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## CERTIFICATE OF ANALYSIS

Analysis Date: Sep 2025

Re-test Date: Aug 2028

**Product Name: Prochlorperazine N-Oxide Impurity 1**

### Identification:

Chemical Name: 4-(3-(2-chloro-10H-phenothiazin-10-yl)propyl)-1-methylpiperazine 1-oxide

Synonyms : NA

CAS Number : 150111-55-0

CAT Number : CP-P82018

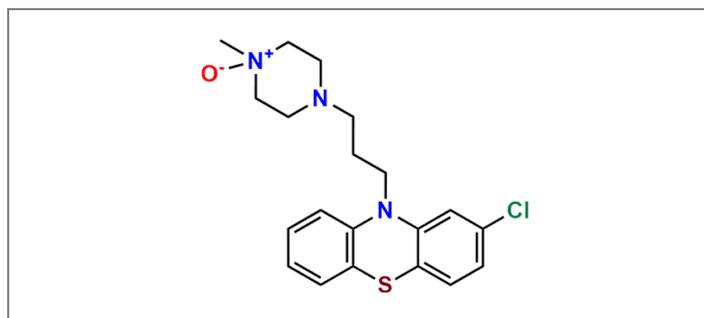
Molecular Formula : C<sub>20</sub>H<sub>24</sub>ClN<sub>3</sub>O<sub>3</sub>S

Molecular Weight : 389.94

Batch Number : CP-29-213

Storage Condition : Tightly closed, Inert atmosphere at -20° C

Shipping condition : At low temperature with dry ice and ice pack gel



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Off White Hygroscopic Sticky Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to Structure
4)	Purity by HPLC	91.53%
5)	<sup>1</sup> HNMR	Confirm to Structure
6)	Weight loss by TGA	2.535%
7)	Potency by TGA	89.21%



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**

Ms Rohini Gagare  
(Quality Assurance)

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