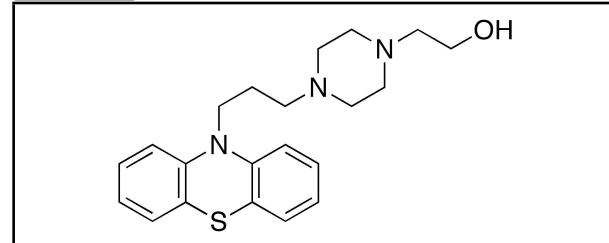


**CERTIFICATE OF ANALYSIS****1. Identification**

Catalogue Number P295320 Lot Number 14-ZCA-118-5

Product Name  
4-(3-Phenothiazin-10-ylpropyl)-1-piperazineethanol

StructureSynonyms

10-[3-[4-(2-Hydroxyethyl)-1-piperazinyl]propyl]-10H-phenothiazine; 4-[3-(10H-Phenothiazin-10-yl)propyl]-1-piperazineethanol; Phenazine (Pharmaceutical); Perphenazine EP Impurity B; Perphenazine USP Related Compound B

CAS Number

3533-97-9 Solubility DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular FormulaSource of ProductLong Term Storage Conditions

C<sub>21</sub>H<sub>27</sub>N<sub>3</sub>OS

4°C

Molecular WeightPurity

369.52

>95%

**2. Warnings**

Not Determined

**3. Analytical Information**

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Beige Solid	Off-White to Beige Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 67.22, %H: 7.23, %N: 11.01
HPLC Purity	>95%	98.60% (255 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**

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
			8/6/2025	8/4/2029

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