



1. Identification

Catalogue Number

P295320

Lot Number

14-ZCA-118-5

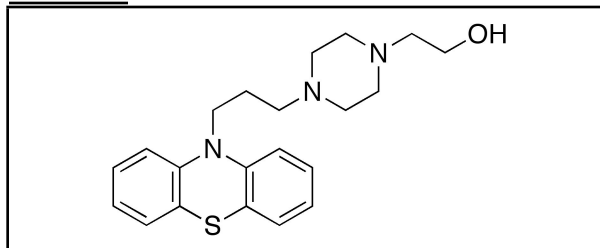
Product Name

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

Synonyms

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

Structure



CAS Number

3533-97-9

Solubility

DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₂₁H₂₇N₃OS

Source of Product

Synthetic

Long Term Storage Conditions

4°C

Molecular Weight

369.52

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

White to Beige Solid

Results

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

Reviewed by

A. Vijaya

Vijaya Annapareddy

Product Quality Specialist

Reviewed by

Toni Rantanen

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Chanell Chu

Quality Assurance Associate

Test Date

8/6/2025

Retest Date

8/4/2029