

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMP070001-01)

**Release Date:** 08/04/2025

**Re-test Date:** 07/04/2028

## **Perazine Impurity**

### **Identification**

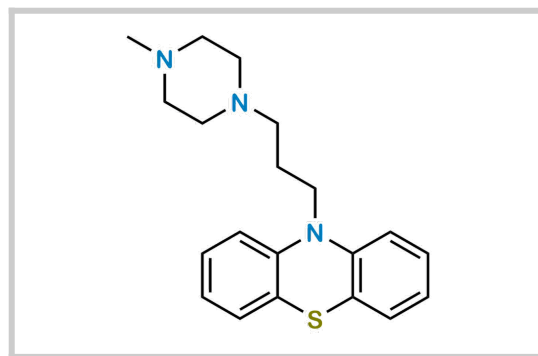
**Chemical Name :**  
10-(3-(4-Methylpiperazin-1-yl)propyl)-10H-phenothiazine

**CAT No.** : KMP070001

**CAS No.** : 84-97-9

**Molecular Formula** : C<sub>20</sub>H<sub>25</sub>N<sub>3</sub>S

**Molecular Weight** : 339.5



### **Analytical Information**

**Batch No.** : P070001-091-301

**Description** : Brown Thick Syrup

**HPLC Purity** : 99.66 %

**Weight Loss By TGA** : 1.59 %

**% Potency** : 98.08 %

**Solubility** : Acetonitrile

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H NMR** : Confirm

### **Additional Information**

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be Shipped at Room Temperature

**% Potency** = [100 - 1.59(Weight Loss By TGA)] x [99.66(HPLC Purity)]/100 = 98.08 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		09/04/2025
Reviewed & Approved By	Quality Control	Jatin Patel		09/04/2025

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA