# CERTIFICATE OF ANALYSIS

(Certificate No. KMC013001-01)

**Release Date:** 28/10/2026 **Re-test Date:** 27/10/2029

## Chlorpromazine EP Impurity B

## Identification

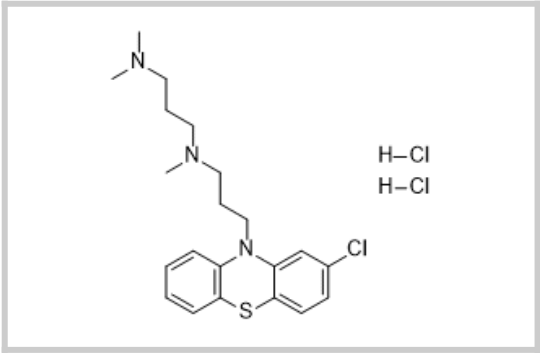
**Chemical Name** :
N1-(3-(2-chloro-10H-phenothiazin-10-yl)propyl)-N1,N3,N3-trimethylpropane-1,3-diamine dihydrochloride

**CAT No.** : KMC013001

**CAS No.** : 2512203-91-5

**Molecular Formula** : C21H28ClN3S : 2(HCl)

**Molecular Weight** : 389.99 : 2(36.5)




## Analytical Information

| | | | |
|---|---|---|---|
| **Batch No.** | : CHL-EPB-073-327 | **Solubility** | : ACN : Water (1:1) |
| **Description** | : Off White Solid | **Mass** | : Confirm |
| **HPLC Purity** | : 98.88 % | **IR** | : Confirm |
| **Weight Loss By TGA** | : 0.55 % | **1H NMR** | : Confirm |
| **% Potency** | : 98.34 % | **13C 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 - 0.55(Weight Loss By TGA)] x [98.88(HPLC Purity)]/100 = 98.34 %
-Re-tested on 28.10.2026
-13CNMR added on 27.10.2026

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 28/10/2026 |
| **Reviewed & Approved By** | Quality Control | Jatin Patel | | 28/10/2026 |

**Attachments** : COA, HPLC, MASS, 1HNMR, 13CNMR, IR and TGA