

# CERTIFICATE OF ANALYSIS

(Certificate No. KMC013001-01)

Release Date: 10/08/2024

Re-test Date: 09/08/2027

## Chlorpromazine Impurity B

### Identification

**Chemical Name :**

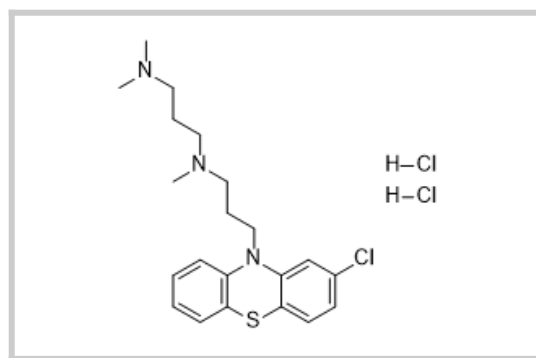
N1-(3-(2-chloro-10H-phenothiazin-10-yl)propyl)-N1,N3,N3-trimethylpropane-1,3-diamine dihydrochloride

**CAT No.** : KMC013001

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

**Molecular Formula** : C<sub>21</sub>H<sub>28</sub>ClN<sub>3</sub>S : 2(HCl)

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



### Analytical Information

**Batch No.** : CHL-EPB-073-327

**Description** : Off White Solid

**HPLC Purity** : 98.89 %

**Weight Loss By TGA** : 0.42 %

**% Potency** : 98.47 %

**Solubility** : ACN : Water (1:1)

**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 - 0.42(Weight Loss By TGA)] x [98.89(HPLC Purity)]/100 = 98.47 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		10/08/2024
Reviewed & Approved By	Quality Control	Jatin Patel		10/08/2024

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