# CERTIFICATE OF ANALYSIS

(Certificate No. KMC243005-01)

**Release Date:** 11/12/2024 **Re-test Date:** 10/12/2027

## Cyclobenzaprine HCl

## Identification

**Chemical Name** :
3-(5H-Dibenzo[a,d]cyclohepten-5-ylidene)-N,N-dimethyl-1-propanamine hydrochloride ;

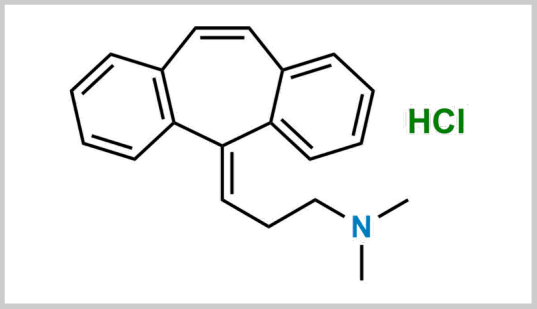
**Alt. Name** : Cyclobenzaprine Hydrochloride

**CAT No.** : KMC243005

**CAS No.** : 6202-23-9

**Molecular Formula** : C20H21N : HCl

**Molecular Weight** : 275.4 : 36.5




## Analytical Information

**Batch No.** : A010006-091-073

**Description** : White Solid

**HPLC Purity** : 99.97 %

**Weight Loss By TGA** : 0.13 %

**% Potency** : 99.84 %

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

**Mass** : Confirm

**IR** : Confirm

**1H 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 - 0.13(Weight Loss By TGA)] x [99.97(HPLC Purity)]/100 = 99.84 %

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 29/01/2026 |
| **Reviewed & Approved By** | Quality Control | Jatin Patel | | 29/01/2026 |

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