# CERTIFICATE OF ANALYSIS

(Certificate No. KMI003002-01)

**Release Date:** 09/05/2024 **Re-test Date:** 08/05/2027

## Desipramine Hydrochloride Impurity

## Identification

**Chemical Name** :
3-(10,11-dihydro-5H-dibenzo[b,f]azepin-5-yl)-N-methylpropan-1-amine hydrochloride

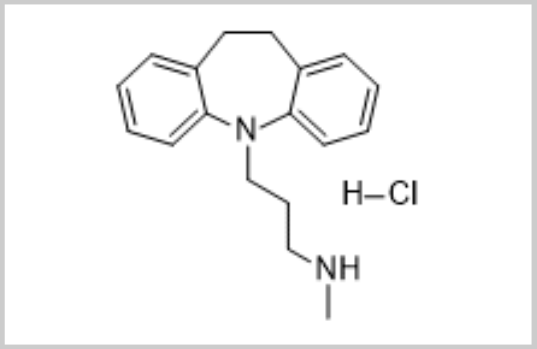
**Alt. Name** : Desipramine HCl

**CAT No.** : KMI003002

**CAS No.** : 58-28-6

**Molecular Formula** : C18H22N2 : HCl

**Molecular Weight** : 266.38 : 36.5




## Analytical Information

| | | | |
|---|---|---|---|
| **Batch No.** | : IMI-EPA-073-203 | **Solubility** | : ACN : Water (1:1) |
| **Description** | : Off White Solid | **Mass** | : Confirm |
| **HPLC Purity** | : 99.79 % | **IR** | : Confirm |
| **Weight Loss By TGA** | : 0.17 % | **1H NMR** | : Confirm |
| **% Potency** | : 99.62 % | | |

## 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 - 0.17(Weight Loss By TGA)] x [99.79(HPLC Purity)]/100 = 99.62 %

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 10/05/2024 |
| **Reviewed & Approved By** | Quality Control | Jatin Patel | | 10/05/2024 |

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