

# 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

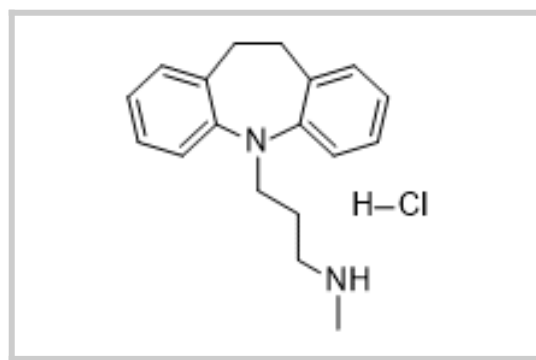
**Alt. Name** : Desipramine HCl

**CAT No.** : KMI003002

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

**Molecular Formula** : C<sub>18</sub>H<sub>22</sub>N<sub>2</sub> : HCl

**Molecular Weight** : 266.38 : 36.5



### Analytical Information

**Batch No.** : IMI-EPA-073-203

**Description** : Off White Solid

**HPLC Purity** : 99.79 %

**Weight Loss By TGA** : 0.17 %

**% Potency** : 99.62 %

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

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		10/05/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		10/05/2024

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