

# CERTIFICATE OF ANALYSIS

(Certificate No. KMD005011-01)

Release Date: 12/07/2024

Re-test Date: 11/07/2027

## Desipramine Impurity A

### Identification

**Chemical Name :**

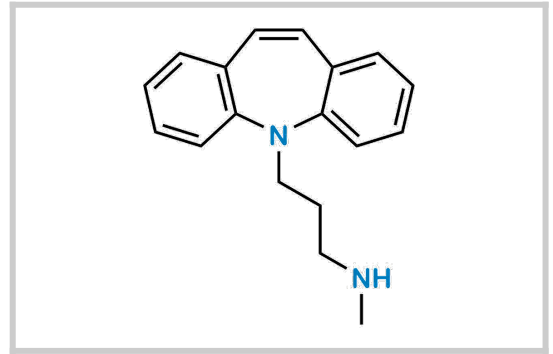
3-(5H-Dibenzo[b,f]azepin-5-yl)-N-methylpropan-1-amine ; Dehydrodesipramine [(3-Methylaminopropyl)-5H-dibenz[b,f]azepine]

CAT No. : KMD005011

CAS No. : 2010-13-1

Molecular Formula : C<sub>18</sub>H<sub>20</sub>N<sub>2</sub>

Molecular Weight : 264.4



### Analytical Information

Batch No. : DES-IMP-1-019-271

Description : Yellow Solid

HPLC Purity : 98.56 %

Weight Loss By TGA : 0.90 %

% Potency : 97.67 %

Solubility : Methanol

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 =  $[100 - 0.90(\text{Weight Loss By TGA})] \times [98.56(\text{HPLC Purity})]/100 = 97.67 \%$

-Re-tested on 12.07.2024

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		04/10/2024
Reviewed & Approved By	Quality Control	Jatin Patel		04/10/2024

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