

# CERTIFICATE OF ANALYSIS

(Certificate No. KMD005015-04)

Release Date: 13/12/2025

Re-test Date: 12/12/2028

## NITROSO DESMETHYL IMIPRAMINE IMPURITY

### Identification

**Chemical Name :**

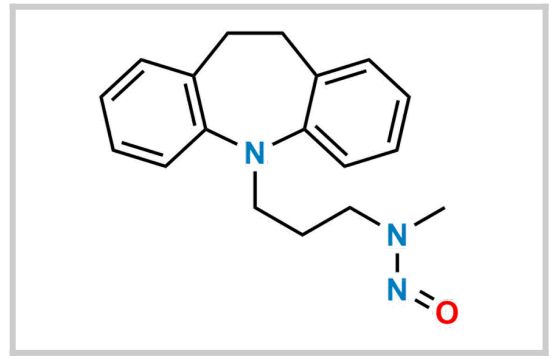
N-(3-(10,11-Dihydro-5H-dibenzo[b,f]azepin-5-yl)propyl)-N-methylnitrous amide (Mixture of E/Z Isomers)

CAT No. : KMD005015

CAS No. : 57164-17-7

Molecular Formula : C<sub>18</sub>H<sub>21</sub>N<sub>3</sub>O

Molecular Weight : 295.4



### Analytical Information

Batch No. : D005015-102-303

Description : Yellow Solid

HPLC Purity : 99.97 %

Weight Loss By TGA : 0.48 %

% Potency : 99.49 %

Solubility : Acetonitrile

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 - 0.48(Weight Loss By TGA)] x [99.97(HPLC Purity)]/100 = 99.49 %  
-Mixture of isomer

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		18/12/2025
Reviewed & Approved By	Quality Control	Jatin Patel		18/12/2025

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