# CERTIFICATE OF ANALYSIS

(Certificate No. KMD005015-04)

**Release Date:** 13/12/2025 **Re-test Date:** 12/12/2028

## NITROSO DESMETHYL IMIPRAMINE IMPURITY

## Identification

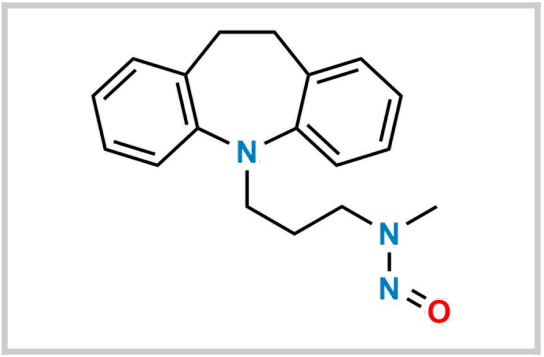
**Chemical Name** :
N-(3-(10,11-Dihydro-5H-dibenzo[b,f]azepin-5-yl)propyl)-N-methylnitrous amide (Mixture of E/Z Isomers)

**CAT No.** : KMD005015

**CAS No.** : 57164-17-7

**Molecular Formula** : C18H21N3O

**Molecular Weight** : 295.4




## Analytical Information

| | | | |
|---|---|---|---|
| **Batch No.** | : D005015-102-303 | **Solubility** | : Acetonitrile |
| **Description** | : Yellow Solid | **Mass** | : Confirm |
| **HPLC Purity** | : 99.97 % | **IR** | : Confirm |
| **Weight Loss By TGA** | : 0.48 % | **1H NMR** | : Confirm |
| **% Potency** | : 99.49 % | | |

## 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, 1HNMR, IR and TGA