

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA010001-02)

Release Date: 01/12/2025

Re-test Date: 30/11/2028

## N-Nitroso Nortriptyline Impurity

### Identification

**Chemical Name :**

N-(3-(10,11-dihydro-5H-dibenzo[a,d][7]annulen-5-ylidene)propyl)-N-methylnitrous amide (Mixture of E/Z Isomer)

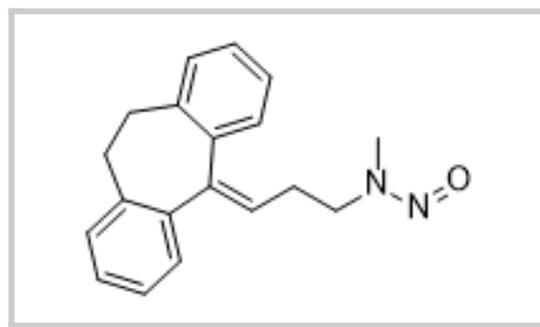
**Alt. Name** : N-Nitroso Nortriptyline

**CAT No.** : KMA010001

**CAS No.** : 55855-42-0

**Molecular Formula** : C<sub>19</sub>H<sub>20</sub>N<sub>2</sub>O

**Molecular Weight** : 292.37



### Analytical Information

**Batch No.** : SL-NPN-361-002

**Description** : Off White Solid

**HPLC Purity** : 99.84 %

**Weight Loss By TGA** : 0.52 %

**% Potency** : 99.32 %

**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 - 0.52(Weight Loss By TGA)] x [99.84(HPLC Purity)]/100 = 99.32 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		27/12/2025
Reviewed & Approved By	Quality Control	Jatin Patel		27/12/2025

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