

# CERTIFICATE OF ANALYSIS

(Certificate No. KMD017005-01)

Release Date: 05/05/2024

Re-test Date: 04/05/2027

## Doxylamine Pyridine 4-yl Isomer

### Identification

**Chemical Name :**

N,N-dimethyl-2-(1-phenyl-1-(pyridin-4-yl)ethoxy)ethanamine

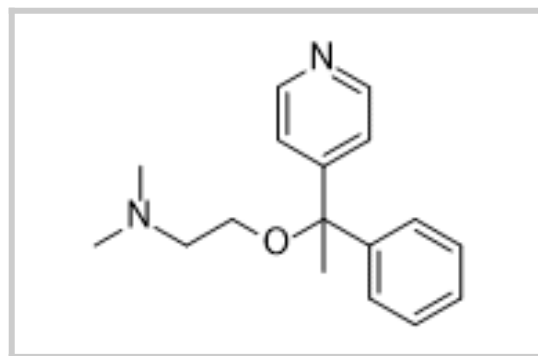
**Alt. Name** : Doxylamine 4-Pyridinyl Isomer

**CAT No.** : KMD017005

**CAS No.** : 873407-01-3

**Molecular Formula** : C<sub>17</sub>H<sub>22</sub>N<sub>2</sub>O

**Molecular Weight** : 270.37



### Analytical Information

**Batch No.** : DOX-EPA-073-195

**Description** : Brown Liquid

**HPLC Purity** : 99.64 %

**Weight Loss By TGA** : 0.23 %

**% Potency** : 99.41 %

**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 - 0.23(Weight Loss By TGA)] x [99.64(HPLC Purity)]/100 = 99.41 %

**Recommendation** : Released

|                        | Department      | Name          | Signature | Date       |
|------------------------|-----------------|---------------|-----------|------------|
| Prepared By            | Analytical      | Jignesh Patel |           | 08/05/2024 |
| Reviewed & Approved By | Quality Control | Jatin Patel   |           | 08/05/2024 |

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