

# CERTIFICATE OF ANALYSIS

(Certificate No. KMD017002-01)

Release Date: 19/04/2024

Re-test Date: 18/04/2027

## Doxylamine Dioxide

### Identification

**Chemical Name :**

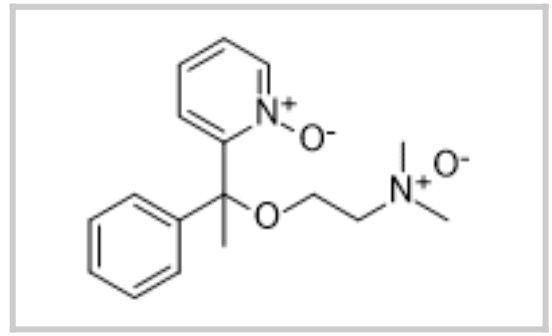
N,N-dimethyl-2-(1-(1-oxidopyridin-2-yl)-1-phenylethoxy)ethanamine oxide

CAT No. : KMD017002

CAS No. : 105176-70-3

Molecular Formula : C<sub>17</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub>

Molecular Weight : 302.37



### Analytical Information

Batch No. : DOX-DI-N-OXIDE-073-175

Solubility : ACN

Description : Light Yellow Thick Syrup

Mass : Confirm

HPLC Purity : 99.57 %

IR : Confirm

Weight Loss By TGA : 2.85 %

<sup>1</sup>H NMR : Confirm

% Potency : 96.73 %

### 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 - 2.85(Weight Loss By TGA)] x [99.57(HPLC Purity)]/100 = 96.73 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		19/04/2024
Reviewed & Approved By	Quality Control	Jatin Patel		19/04/2024

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