

# CERTIFICATE OF ANALYSIS

(Certificate No. KMV003010-01)

Release Date: 19/06/2025

Re-test Date: 18/06/2028

## N-Nitroso Vortioxetine

### Identification

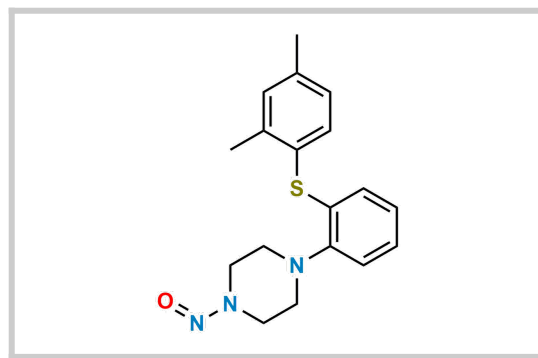
**Chemical Name :**  
1-(2-((2,4-Dimethylphenyl)thio)phenyl)-4-nitrosopiperazine

**CAT No.** : KMV003010

**CAS No.** : 2925447-38-5

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

**Molecular Weight** : 327.4



### Analytical Information

**Batch No.** : V003010-102-087

**Description** : Light Yellow Solid

**HPLC Purity** : 99.93 %

**Weight Loss By TGA** : 0.36 %

**% Potency** : 99.57 %

**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 - 0.36(Weight Loss By TGA)] x [99.93(HPLC Purity)]/100 = 99.57 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		19/06/2025
Reviewed & Approved By	Quality Control	Jatin Patel		19/06/2025

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