

# CERTIFICATE OF ANALYSIS

(Certificate No. KMV003003-01)

Release Date: 06/02/2024

Re-test Date: 05/02/2027

## Desethylene Vortioxetine

### Identification

**Chemical Name :**

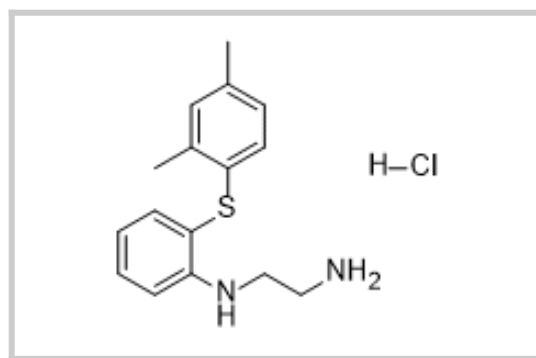
N1-(2-((2,4-Dimethylphenyl)thio)phenyl)ethane-1,2-diamine hydrochloride

**CAT No.** : KMV003003

**CAS No.** : Not Available

**Molecular Formula** : C<sub>16</sub>H<sub>20</sub>N<sub>2</sub>S : HCl

**Molecular Weight** : 272.41 : 36.5



### Analytical Information

**Batch No.** : VOR-DES-073-059

**Description** : Brown Hygroscopic Solid

**HPLC Purity** : 97.87 %

**Weight Loss By TGA** : 2.29 %

**% Potency** : 95.63 %

**Solubility** : ACN

**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 - 2.29(Weight Loss By TGA)] x [97.87(HPLC Purity)]/100 = 95.63 %

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		

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