

# CERTIFICATE OF ANALYSIS

(Certificate No. KMV003002-01)

Release Date: 05/02/2024

Re-test Date: 04/02/2027

## N-Formyl Vortioxetine

### Identification

**Chemical Name :**

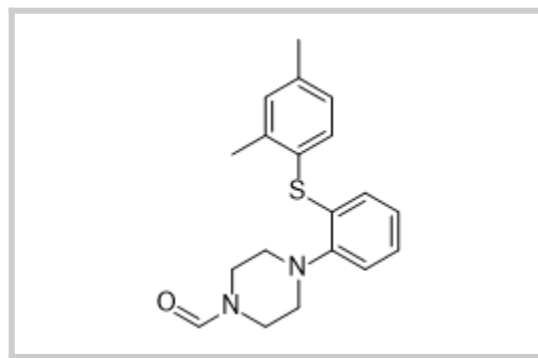
4-(2-((2,4-Dimethylphenyl)thio)phenyl)piperazine-1-carbaldehyde

CAT No. : KMV003002

CAS No. : 2135576-73-5

Molecular Formula : C<sub>19</sub>H<sub>22</sub>N<sub>2</sub>OS

Molecular Weight : 326.46



### Analytical Information

Batch No. : VOR-N-FOR-073-051

Description : Off White Solid

HPLC Purity : 99.94 %

Weight Loss By TGA : 0.14 %

% Potency : 99.8 %

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 - 0.14(Weight Loss By TGA)] x [99.94(HPLC Purity)]/100 = 99.8 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		
Reviewed & Approved By	Quality Control	Jatin Patel		

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