CERTIFICATE OF ANALYSIS

(Certificate No. KMV003001-01)

Release Date: 06/02/2024 **Re-test Date:** 05/02/2027

Vortioxetine Impurity-2

Identification

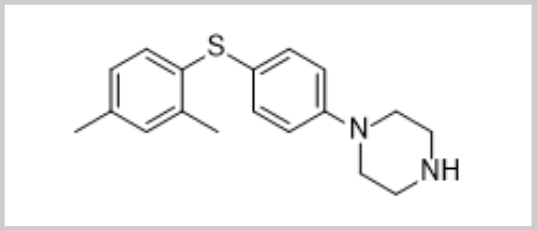
Chemical Name :
1-(4-((2,4-dimethylphenyl)thio)phenyl)piperazine

CAT No. : KMV003001

CAS No. : 1815608-51-5

Molecular Formula : C18H22N2S

Molecular Weight : 298.45



Analytical Information

Batch No.	: VOR-PAR-073- 052	**Solubility**	: ACN
Description	: Light Brown Solid	**Mass**	: Confirm
HPLC Purity	: 96.27 %	**IR**	: Confirm
Weight Loss By TGA	: 0.85 %	**1H NMR**	: Confirm
% Potency	: 95.45 %		

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 - 0.85(Weight Loss By TGA)] x [96.27(HPLC Purity)]/100 = 95.45 %

Recommendation : Released

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

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA