CERTIFICATE OF ANALYSIS

(Certificate No. KMV003005-01)

Release Date: 03/07/2024 **Re-test Date:** 02/07/2027

Vortioxetine Sulfoxide Impurity

Identification

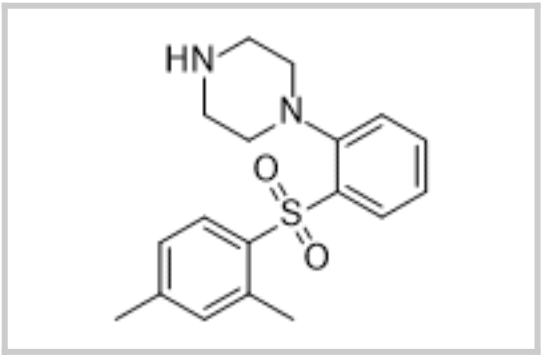
Chemical Name :
1-(2-((2,4-dimethylphenyl)sulfonyl)phenyl)piperazine

CAT No. : KMV003005

CAS No. : 1639263-80-1

Molecular Formula : C18H22N2O2S

Molecular Weight : 330.44



Analytical Information

Batch No.	: VOR-IMP-25-073-275	**Solubility**	: ACN
Description	: Light Yellow Solid	**Mass**	: Confirm
HPLC Purity	: 95.36 %	**IR**	: Confirm
Weight Loss By TGA	: 0.89 %	**1H NMR**	: Confirm
% Potency	: 94.51 %		

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 - 0.89(Weight Loss By TGA)] x [95.36(HPLC Purity)]/100 = 94.51 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		06/07/2024
Reviewed & Approved By	Quality Control	Jatin Patel		06/07/2024

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