

CERTIFICATE OF ANALYSIS

(Certificate No. KMV003005-01)

Release Date: 03/07/2024

Re-test Date: 02/07/2027

Vortioxetine Sulfoxide Impurity

Identification

Chemical Name :

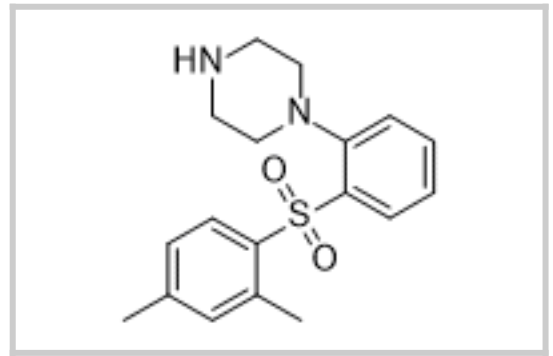
1-(2-((2,4-dimethylphenyl)sulfonyl)phenyl)piperazine

CAT No. : KMV003005

CAS No. : 1639263-80-1

Molecular Formula : C₁₈H₂₂N₂O₂S

Molecular Weight : 330.44



Analytical Information

Batch No. : VOR-IMP-25-073-275

Description : Light Yellow Solid

HPLC Purity : 95.36 %

Weight Loss By TGA : 0.89 %

% Potency : 94.51 %

Solubility : ACN

Mass : Confirm

IR : Confirm

¹H 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 - 0.89(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, ¹H NMR, IR and TGA