

CERTIFICATE OF ANALYSIS

(Certificate No. KMV003083-01)

Release Date: 03/05/2025

Re-test Date: 02/05/2028

Vortioxetine Related Compound I

Identification

Chemical Name :

1-{2-[(3,5-Dimethylphenyl)thio]phenyl}piperazine hydrochloride

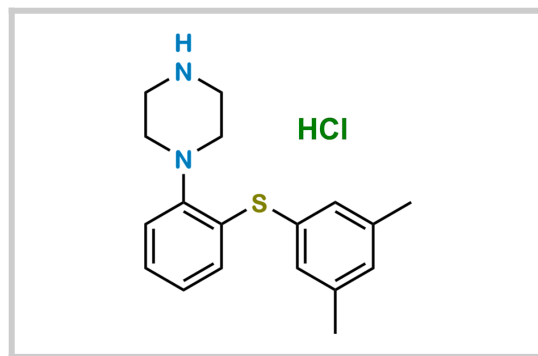
Alt. Name : Vortioxetine Impurity 7 (HCl)

CAT No. : KMV003083

CAS No. : 3070439-20-9

Molecular Formula : C₁₈H₂₂N₂S : HCl

Molecular Weight : 298.5 : 36.5



Analytical Information

Batch No. : V003083-091-366

Description : Creamish Solid

HPLC Purity : 99.91 %

Weight Loss By TGA : 1.09 %

% Potency : 98.82 %

Solubility : ACN : Water (1:1)

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

¹³C 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 - 1.09(Weight Loss By TGA)] x [99.91(HPLC Purity)]/100 = 98.82 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		09/05/2025
Reviewed & Approved By	Quality Control	Jatin Patel		09/05/2025

Attachments : COA, HPLC, MASS, ¹HNMR, ¹³CNMR, IR and TGA