CERTIFICATE OF ANALYSIS

(Certificate No. KMV003083-01)

Release Date: 03/05/2025 **Re-test Date:** 02/05/2028

Vortioxetine Releated Compund I

Identification

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

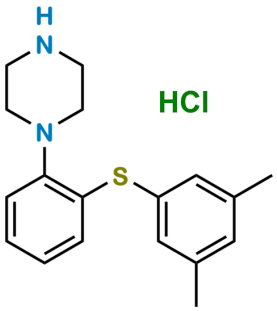
Alt. Name : Vortioxetine Impurity 7 (HCl)

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	**Solubility**	: ACN : Water (1:1)
Description	: Creamish Solid	**Mass**	: Confirm
HPLC Purity	: 99.91 %	**IR**	: Confirm
Weight Loss By TGA	: 1.09 %	**1H NMR**	: Confirm
% Potency	: 98.82 %	**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