CERTIFICATE OF ANALYSIS

(Certificate No. KMV003084-01)

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

Vortioxetine Releated Compund H

Identification

Chemical Name :
1-(2-((2,5-Dimethylphenyl)thio)phenyl)piperazine hydrochloride

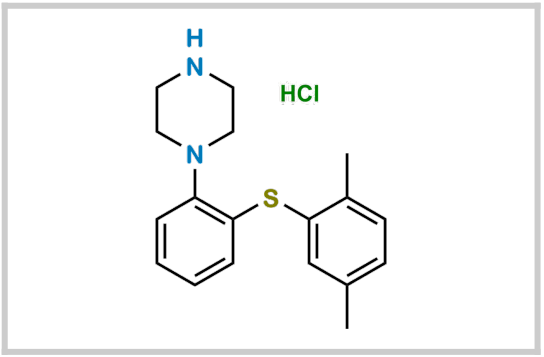
Alt. Name : Vortioxetine Impurity 8 (HCl)

CAT No. : KMV003084

CAS No. : 508233-77-0(free base) :
3070439-19-6 (HCl Salt)

Molecular Formula : C18H22N2S : HCl

Molecular Weight : 298.5 : 36.5



Analytical Information

Batch No.	: V003084-102-001	**Solubility**	: ACN : Water (1:1)
Description	: Creamish Solid	**Mass**	: Confirm
HPLC Purity	: 99.03 %	**IR**	: Confirm
Weight Loss By TGA	: 2.67 %	**1H NMR**	: Confirm
% Potency	: 96.39 %	**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 - 2.67(Weight Loss By TGA)] x [99.03(HPLC Purity)]/100 = 96.39 %

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