CERTIFICATE OF ANALYSIS

(Certificate No. KMV003037-01)

Release Date: 20/05/2025 **Re-test Date:** 19/05/2028

Vortioxetine Impurity 2

Identification

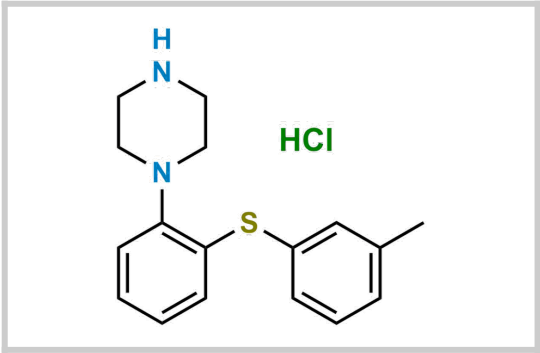
Chemical Name :
1-(2-(m-Tolylthio)phenyl)piperazine hydrochloride

CAT No. : KMV003037

CAS No. : 1293342-89-8

Molecular Formula : C17H20N2S : HCl

Molecular Weight : 284.4 : 36.5



Analytical Information

Batch No.	: V003037-102-032	**Solubility**	: Water
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 96.97 %	**IR**	: Confirm
Weight Loss By TGA	: 0.29 %	**1H NMR**	: Confirm
% Potency	: 96.69 %		

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 - 0.29(Weight Loss By TGA)] x [96.97(HPLC Purity)]/100 = 96.69 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		20/05/2025
Reviewed & Approved By	Quality Control	Jatin Patel		20/05/2025

Attachments : COA, HPLC,1H NMR,MASS, IR and TGA