CERTIFICATE OF ANALYSIS

(Certificate No. KMV003044-01)

Release Date: 12/11/2024 **Re-test Date:** 11/11/2027

Vortioxetine Impurity 3

Identification

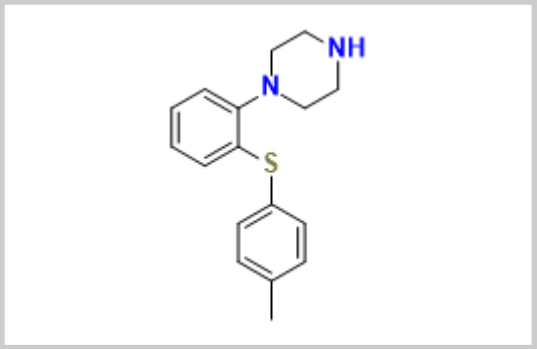
Chemical Name :
1-(2-(p-tolylthio)phenyl)piperazine ; 1-(2-(p-tolylthio)phenyl)piperazine

CAT No. : KMV003044

CAS No. : 508233-82-7

Molecular Formula : C17H20N2S

Molecular Weight : 284.4



Analytical Information

Batch No.	: V003044-091-027	**Solubility**	: Methanol
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 99.87 %	**IR**	: Confirm
Weight Loss By TGA	: 0.02 %	**1H NMR**	: Confirm
% Potency	: 99.85 %		

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 - 0.02(Weight Loss By TGA)] x [99.87(HPLC Purity)]/100 = 99.85 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		04/04/2025
Reviewed & Approved By	Quality Control	Jatin Patel		04/04/2025

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