CERTIFICATE OF ANALYSIS

(Certificate No. KMO007031-01)

Release Date: 22/10/2026 **Re-test Date:** 21/10/2029

Olanzapine EP Impurity D

Identification

Chemical Name :
1-Methyl-4-(2-methyl-10H-thieno[2,3-b][1,5]benzodiazepin-4-yl)piperazin-1-oxide (as per EP)

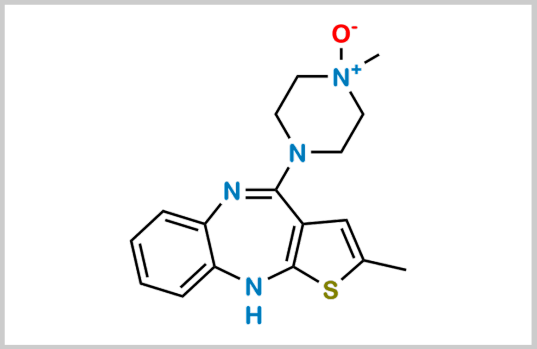
Alt. Name : Olanzapine-N-oxide ; Olanzapine USP Related Compound C

CAT No. : KMO007031

CAS No. : 174794-02-6

Molecular Formula : C17H20N4OS

Molecular Weight : 328.4



Analytical Information

Batch No.	: O007031-136-306	**Solubility**	: ACN : Water (1:1)
Description	: Light Brown Solid	**Mass**	: Confirm
HPLC Purity	: 98.48 %	**IR**	: Confirm
Weight Loss By TGA	: 0.24 %	**1H NMR**	: Confirm
% Potency	: 98.24 %	**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 - 0.24(Weight Loss By TGA)] x [98.48(HPLC Purity)]/100 = 98.24 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		22/10/2026
Reviewed & Approved By	Quality Control	Jatin Patel		22/10/2026

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