

CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001039-01)

Release Date: 17/02/2026

Re-test Date: 16/02/2029

Quetiapine EP Impurity E

Identification

Chemical Name :

11,11'-[Ethylenebis(oxyethylenepiperazine-4,1-diyl)]bis(dibenzo[b,f][1,4]thiazepine) (as per EP)

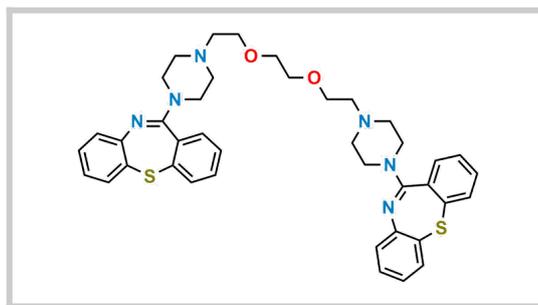
Alt. Name : Quetiapine bis-Ether

CAT No. : KMQ001039

CAS No. : 1371638-05-9

Molecular Formula : C₄₀H₄₄N₆O₂S₂

Molecular Weight : 704.9



Analytical Information

Batch No. : Q001039-114-115

Description : Light Yellow Solid

HPLC Purity : 98.01 %

Weight Loss By TGA : 1.09 %

% Potency : 96.94 %

Solubility : ACN

Mass : Confirm

IR : Confirm

¹H 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 [98.01(HPLC Purity)]/100 = 96.94 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		18/02/2026
Reviewed & Approved By	Quality Control	Jatin Patel		18/02/2026

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