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)

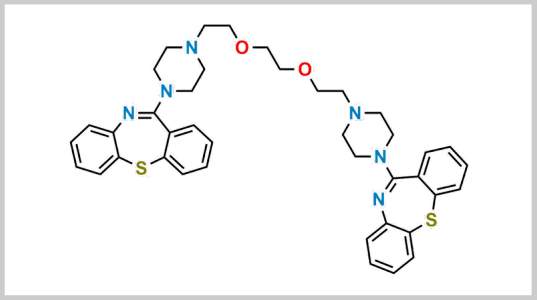
Alt. Name : Quetiapine bis-Ether

CAT No. : KMQ001039

CAS No. : 1371638-05-9

Molecular Formula : C40H44N6O2S2

Molecular Weight : 704.9



Analytical Information

Batch No.	: Q001039-114-115	**Solubility**	: ACN
Description	: Light Yellow Solid	**Mass**	: Confirm
HPLC Purity	: 98.01 %	**IR**	: Confirm
Weight Loss By TGA	: 1.09 %	**1H NMR**	: Confirm
% Potency	: 96.94 %		

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