

CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001045-01)

Release Date: 17/02/2026

Re-test Date: 16/02/2029

Quetiapine EP Impurity K

Identification

Chemical Name :

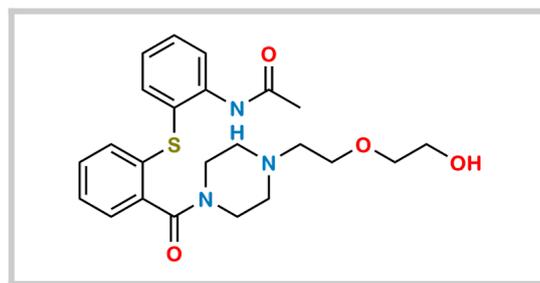
N-[2-[[2-[[4-[2-(2-Hydroxyethoxy)ethyl]piperazin-1-yl]carbonyl]phenyl]sulfanyl]phenyl]acetamide (as per EP)

CAT No. : KMQ001045

CAS No. : 1371638-10-6

Molecular Formula : C₂₃H₂₉N₃O₄S

Molecular Weight : 443.6



Analytical Information

Batch No. : Q001045-114-150

Solubility : Methanol

Description : Light Yellow Thick Syrup

Mass : Confirm

HPLC Purity : 97.13 %

IR : Confirm

Weight Loss By TGA : 1.26 %

¹H NMR : Confirm

% Potency : 95.91 %

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 - 1.26(Weight Loss By TGA)] x [97.13(HPLC Purity)]/100 = 95.91 %

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