

CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001040-01)

Release Date: 09/03/2026

Re-test Date: 08/03/2029

Quetiapine Impurity F

Identification

Chemical Name :

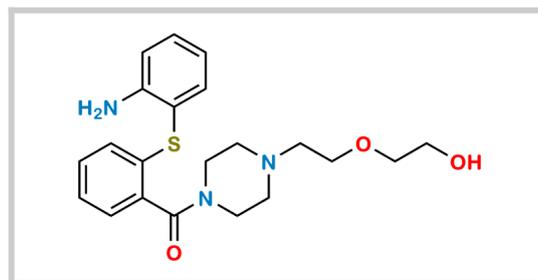
[2-[(2-Aminophenyl)sulfanyl]phenyl][4-[2-(2-hydroxyethoxy)ethyl]piperazin-1-yl]methanone (as per EP)

CAT No. : KMQ001040

CAS No. : 848814-27-7

Molecular Formula : C₂₁H₂₇N₃O₃S

Molecular Weight : 401.5



Analytical Information

Batch No. : Q001040-114-178

Solubility : ACN

Description : Light Yellow Thick Syrup

Mass : Confirm

HPLC Purity : 95.88 %

IR : Confirm

Weight Loss By TGA : 2.46 %

¹H NMR : Confirm

% Potency : 93.52 %

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 - 2.46(Weight Loss By TGA)] x [95.88(HPLC Purity)]/100 = 93.52 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		16/03/2026
Reviewed & Approved By	Quality Control	Jatin Patel		16/03/2026

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