

CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001046-01)

Release Date: 17/02/2026

Re-test Date: 16/02/2029

Quetiapine EP Impurity L

Identification

Chemical Name :

2-[2-[4-(9-Chlorodibenzo[b,f][1,4]thiazepin-11-yl)piperazin-1-yl]ethoxy]ethanol (as per EP)

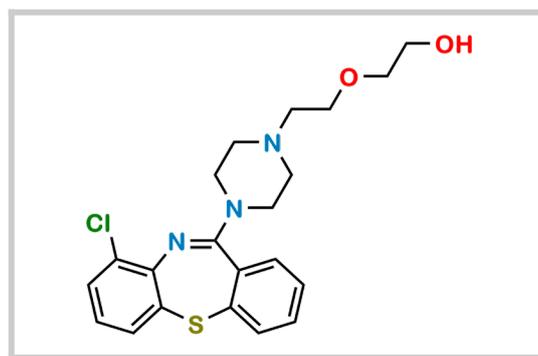
Alt. Name : 9-Chloro Quetiapine

CAT No. : KMQ001046

CAS No. : 1371638-11-7

Molecular Formula : C₂₁H₂₄ClN₃O₂S

Molecular Weight : 418



Analytical Information

Batch No. : Q001046-114-167

Description : Yellow Solid

HPLC Purity : 97.63 %

Weight Loss By TGA : 2.16 %

% Potency : 95.52 %

Solubility : Water :
Acetonitrile (1:1)

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 - 2.16(Weight Loss By TGA)] x [97.63(HPLC Purity)]/100 = 95.52 %

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