

CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001049-02)

Release Date: 22/01/2025

Re-test Date: 21/01/2028

N-Ethyl Quetiapine

Identification

Chemical Name :
11-(4-Ethylpiperazin-1-yl)dibenzo[b,f][1,4]thiazepine (as per EP)

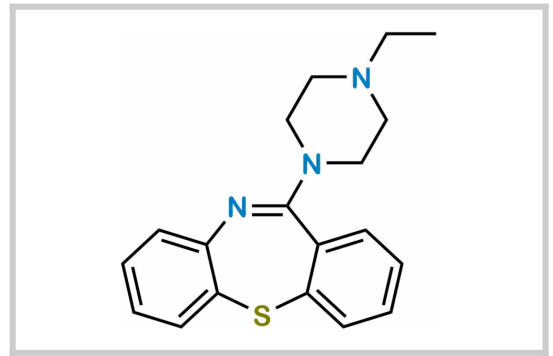
Alt. Name : N-Ethyl Quetiapine (USP)

CAT No. : KMQ001049

CAS No. : 1011758-03-4

Molecular Formula : C₁₉H₂₁N₃S

Molecular Weight : 323.5



Analytical Information

Batch No. : Q001049-091-145

Description : White Solid

HPLC Purity : 99.20 %

Weight Loss By TGA : 0.19 %

% Potency : 99.01 %

Solubility : Methanol

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 = $[100 - 0.19(\text{Weight Loss By TGA})] \times [99.20(\text{HPLC Purity})]/100 = 99.01 \%$

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		22/02/2025
Reviewed & Approved By	Quality Control	Ravi Patel		22/02/2025

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