

CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001002-01)

Release Date: 08/02/2024

Re-test Date: 07/02/2027

Quetiapine Desethoxy Impurity

Identification

Chemical Name :
2-(4-(dibenzo[b,f][1,4]thiazepin-11-yl)piperazin-1-yl)ethanol

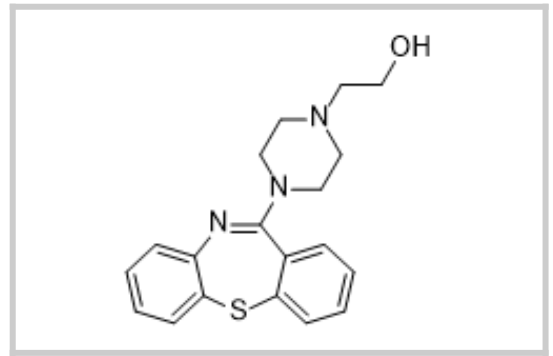
Alt. Name : Quetiapine EP Impurity I

CAT No. : KMQ001002

CAS No. : 329216-67-3

Molecular Formula : C₁₉H₂₁N₃O₃S

Molecular Weight : 339.45



Analytical Information

Batch No. : QUE-DESE-073-069

Description : Light Yellow Solid

HPLC Purity : 99.73 %

Weight Loss By TGA : 0.48 %

% Potency : 99.25 %

Solubility : ACN

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 = $[100 - 0.48(\text{Weight Loss By TGA})] \times [99.73(\text{HPLC Purity})]/100 = 99.25 \%$

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		
Reviewed & Approved By	Quality Control	Jatin Patel		

Attachments : COA, HPLC, MASS, ¹H NMR, IR and TGA