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

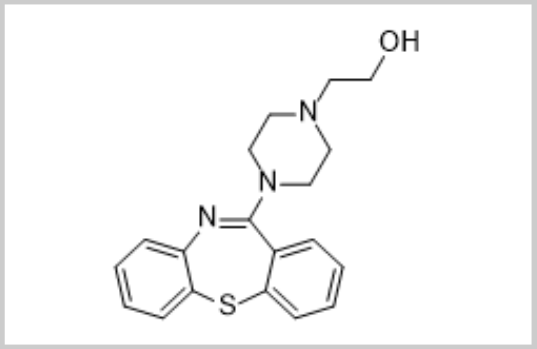
Alt. Name : Quetiapine EP Impuirty I

CAT No. : KMQ001002

CAS No. : 329216-67-3

Molecular Formula : C19H21N3OS

Molecular Weight : 339.45



Analytical Information

Batch No.	: QUE-DESE-073-069	**Solubility**	: ACN
Description	: Light Yellow Solid	**Mass**	: Confirm
HPLC Purity	: 99.73 %	**IR**	: Confirm
Weight Loss By TGA	: 0.48 %	**1H NMR**	: Confirm
% Potency	: 99.25 %		

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(Weight Loss By TGA)] x [99.73(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, 1HNMR, IR and TGA