

CERTIFICATE OF ANALYSIS

(Certificate No. KMQ001004-01)

Release Date: 08/02/2024

Re-test Date: 07/02/2027

Quetiapine Related Compound G

Identification

Chemical Name :
dibenzo[b,f][1,4]thiazepin-11(10H)-one

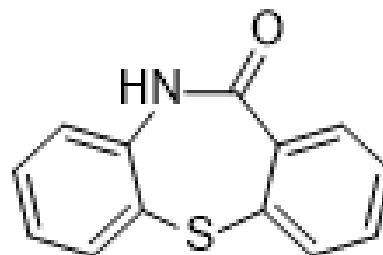
Alt. Name : Quetiapine EP Impurity G, Quetiapine Lactam, Quetiapine DBTO Metabolite

CAT No. : KMQ001004

CAS No. : 3159-07-7

Molecular Formula : C₁₃H₉NOS

Molecular Weight : 227.28



Analytical Information

Batch No. : QUE-RCG-073-071

Description : Off White Crystalline Solid

HPLC Purity : 98.44 %

Weight Loss By TGA : 0.01 %

% Potency : 98.43 %

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

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