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CERTIFICATE OF ANALYSIS

Analysis Date: May 2023

Re-test Date: Apr 2026

Product Name: Quetiapine EP Impurity G

Identification:

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

Synonyms : Quetiapine DBTO Metabolite ;
Quetiapine Lactam ; Quetiapine
USP Related Compound G

CAS Number : 3159-07-7

CAT Number : CP-Q1007

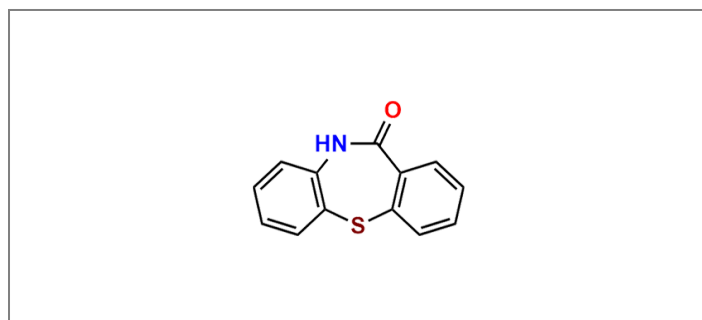
Molecular Formula : C₁₃H₉NOS

Molecular Weight : 227.28

Batch Number : CHEM-QUE-G

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.53%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Manager QC Analytical)

Approved By

Ms Rohini Gagare
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.