Registered Address: Chemicea Pharmaceuticals Pvt Ltd, Platinum Springs,
Unit No- A- 205&206 Second floor, Plot No: G-6, G-20 to G 24, Taloja- MIDC, Opp. Dena Bank
Navi Mumbai 410208, MH, INDIA. Email- info@chemicea.com Mob- +91 9284897978

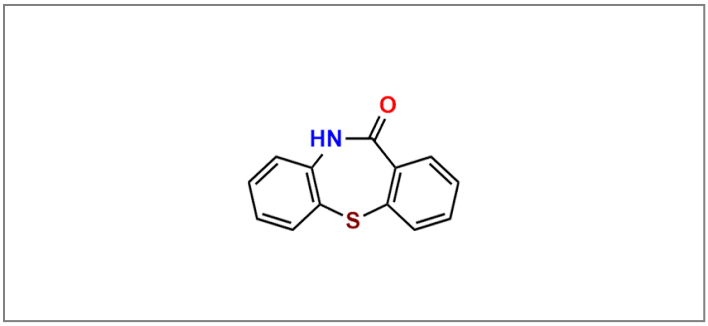
CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2026 Re-test Date: Feb 2029

Product Name: Quetiapine EP Impurity G

Identification:

Chemical Name: Dibenzo[b,f][1,4]thiazepin-11(10H)-one (as per EP)



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 Spectrometry	Confirm to structure
4)	Purity By HPLC	99.92%
5)	1HNMR	Confirm to structure
6)	13CNMR	Confirm to Structure
7)	FT-IR	Confirm to structure
8)	Weight loss by TGA	0.965 %
9)	Potency	98.95%

Prepared and Reviewed By

Mr. Shubham Bondre
(Quality Control)

Approved By

Mr. Abhijit Kale
(Quality Assurance)

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