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## CERTIFICATE OF ANALYSIS

Analysis Date: Sep 2023

Re-test Date: Aug 2025

**Product Name: Quetiapine Impurity 9**

### Identification:

Chemical Name: 1-(4-(dibenzo[b,f][1,4]thiazepin-11-yl)piperazin-1-yl)-4-(methylamino)butan-1-one

Synonyms : NA

CAS Number : 2206606-99-5

CAT Number : CP-Q1032

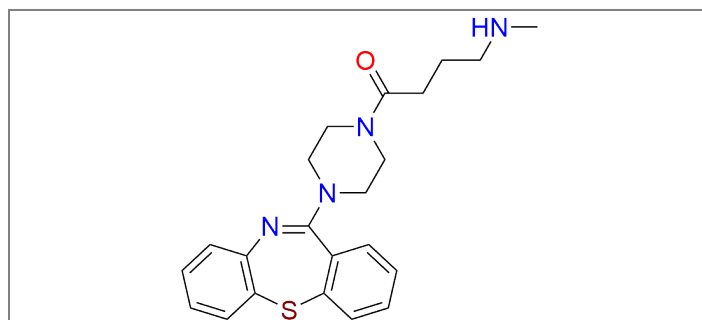
Molecular Formula : C<sub>22</sub>H<sub>26</sub>N<sub>4</sub>O<sub>5</sub>

Molecular Weight : 394.54

Batch Number : CP-QUE-09-0823

Storage Condition : Tightly closed, Inert atmosphere at -20° C

Shipping condition : At low temperature with dry ice and ice pack gel



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Pale Yellow Thick Liquid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	95.35%
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.