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## CERTIFICATE OF ANALYSIS

Analysis Date: May 2023

Re-test Date: Apr 2026

**Product Name: Quetiapine EP Impurity I**

### Identification:

Chemical Name: 2-(4-(dibenzo[b,f][1,4]thiazepin-11-yl)piperazin-1-yl)ethan-1-ol

Synonyms : Quetiapine Desethoxy Impurity (USP) ; Quetiapine Alcohol Impurity ; Quetiapine Ethanol Impurity

CAS Number : 329216-67-3

CAT Number : CP-Q1009

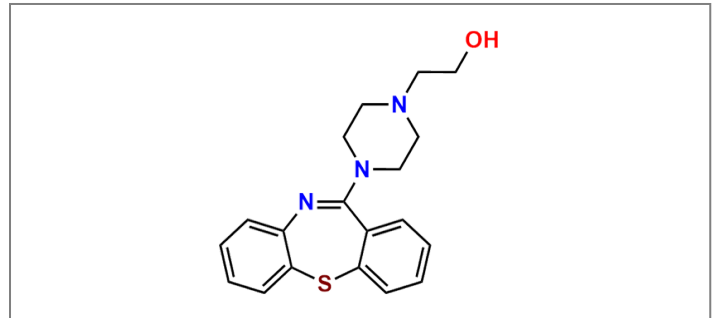
Molecular Formula : C<sub>19</sub>H<sub>21</sub>N<sub>3</sub>O<sub>3</sub>S

Molecular Weight : 339.46

Batch Number : CHEM-QUE-I

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 to off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.26%
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.