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## CERTIFICATE OF ANALYSIS

Analysis Date: Feb 2025

Re-test Date: Jan 2028

**Product Name: Quetiapine EP Impurity H**

### Identification:

Chemical Name: 2-[2-[4-(Dibenzo[b,f][1,4]thiazepin-11-yl)-1-oxidopiperazin-1-yl]ethoxy]ethanol (as per EP)

Synonyms : Quetiapine N-Oxide ; Quetiapine  
USP Related Compound H

CAS Number : 1076199-40-0

CAT Number : CP-Q1008

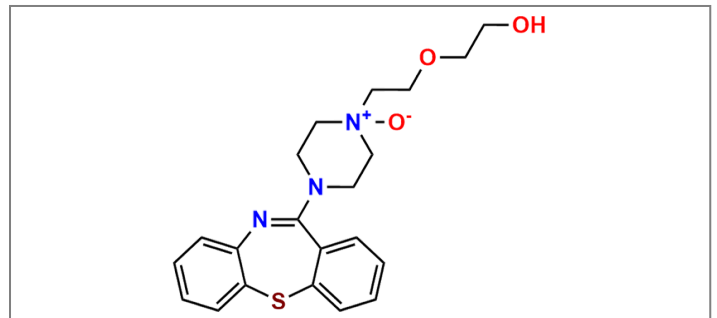
Molecular Formula : C<sub>21</sub>H<sub>25</sub>N<sub>3</sub>O<sub>3</sub>S

Molecular Weight : 399.51

Batch Number : CP-QUE-H-0225

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	Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	93.20 %
5)	H1NMR	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.