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CERTIFICATE OF ANALYSIS

Analysis Date: May 2023

Re-test Date: Apr 2026

Product Name: Quetiapine EP Impurity S

Identification:

Chemical Name: 2-[2-[4-(5-Oxidodibenzo[b,f][1,4]thiazepin-11-yl)piperazin-1-yl]ethoxy]ethanol (as per EP)

Synonyms : Quetiapine Sulfoxide

CAS Number : 329216-63-9

CAT Number : CP-Q1019

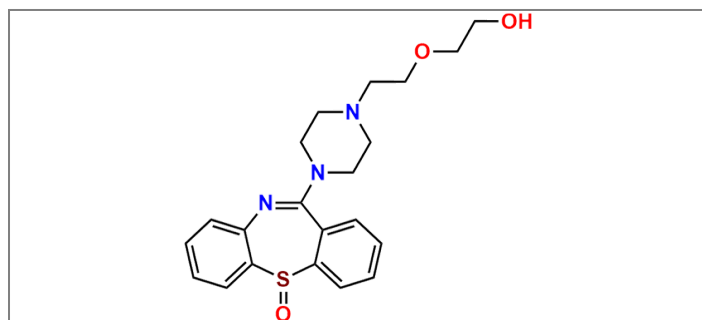
Molecular Formula : C₂₁H₂₅N₃O₃S

Molecular Weight : 399.51

Batch Number : CHEM-QUE-S

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	96.94%
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.