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CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2025

Re-test Date: Mar 2027

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

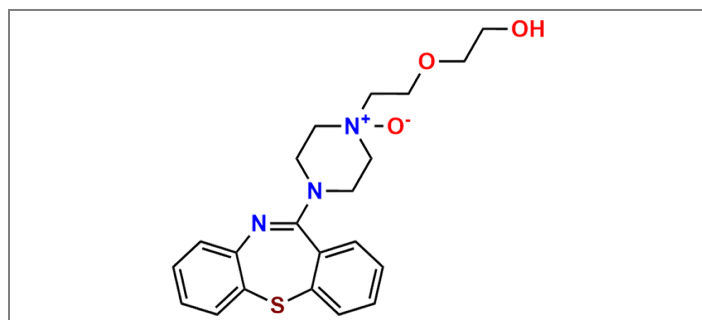
Molecular Formula : C₂₁H₂₅N₃O₃S

Molecular Weight : 399.51

Batch Number : CP-QUE-H-0623

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	Gray Highly Hygroscopic Sticky Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	97.33%
5)	¹ H NMR	Confirm to structure
6)	IR	Confirm to structure
7)	Weight loss by TGA	-
8)	Potency by TGA	-



Prepared and Reviewed By



Ms Priyanka Salunkhe
(Quality Control)

Approved By



Ms Rohini Gagare
(Quality Assurance)

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