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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

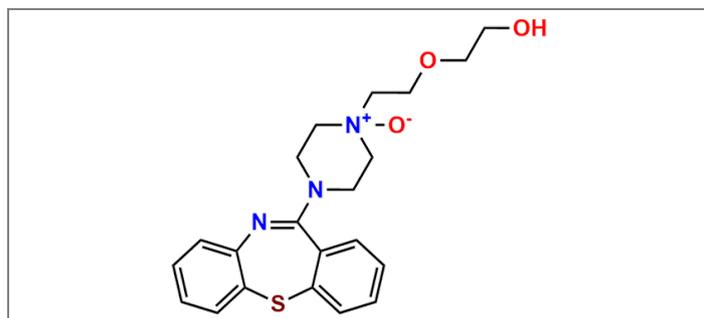
Molecular Formula : C₂₁H₂₅N₃O₃S

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 HNMR | Confirm to structure |



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.