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## CERTIFICATE OF ANALYSIS

Analysis Date: Feb 2025

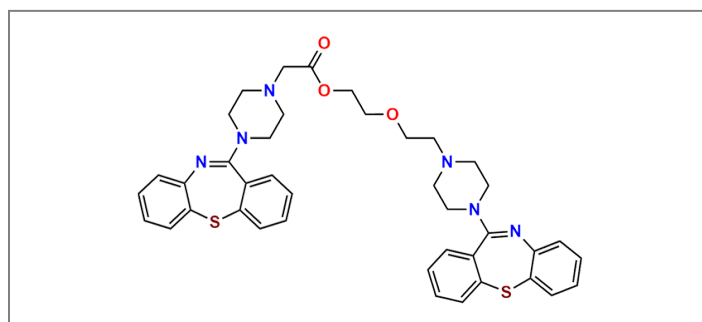
Re-test Date: Jan 2027

**Product Name: Quetiapine EP Impurity C**

### Identification:

Chemical Name: 2-[2-[4-(Dibenzo[b,f][1,4]thiazepin-11-yl)piperazin-1-yl]ethoxy]ethyl 2-[4-(dibenzo[b,f][1,4]thiazepin-11-yl)piperazin-1-yl]acetate (as per EP)

Synonyms : NA  
CAS Number : 1798840-31-9  
CAT Number : CP-Q1003  
Molecular Formula : C40H42N6O3S2  
Molecular Weight : 718.94  
Batch Number : CP-QUE-C-0225  
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    | Off White Solid          |
| 2)      | Solubility     | Soluble in Methanol/DMSO |
| 3)      | MASS By LCMS   | Confirm to structure     |
| 4)      | Purity By HPLC | 97.34%                   |
| 5)      | H1NMR          | Confirm to structure     |
| 6)      | 13CNMR         | Confirm to Structure     |
| 7)      | IR             | 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.