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CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2025

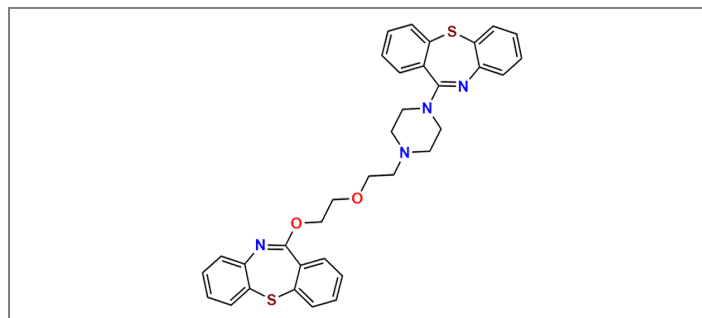
Re-test Date: Feb 2027

Product Name: Quetiapine EP Impurity W

Identification:

Chemical Name: 11-(2-(2-(4-(dibenzo[b,f][1,4]thiazepin-11-yl)piperazin-1-yl)ethoxy)ethoxy)dibenzo[b,f][1,4]thiazepine

Synonyms : NA
CAS Number : 1800608-95-0
CAT Number : CP-Q1023
Molecular Formula : C34H32N4O2S2
Molecular Weight : 592.77
Batch Number : CP-QUE-W-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 | Green to Gray Solid |
| 2) | Solubility | Soluble in Methanol/DMSO |
| 3) | MASS By LCMS | Confirm to structure |
| 4) | Purity By HPLC | 97.63% |
| 5) | ¹ HNMR | Confirm to structure |
| 6) | ¹³ CNMR | - |
| 7) | IR | Confirm to structure |
| 8) | Weight loss by TGA | - |
| 9) | 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.