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CERTIFICATE OF ANALYSIS

Analysis Date: Jun 2023

Re-test Date: May 2025

Product Name: Quetiapine EP Impurity U

Identification:

Chemical Name: Dibenzo[b,f][1,4]thiazepin-11-amine

Synonyms : NA

CAS Number : 5786-26-5

CAT Number : CP-Q1021

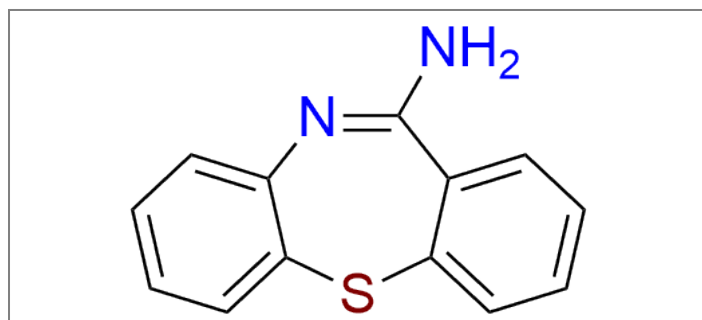
Molecular Formula : C₁₃H₁₀N₂S

Molecular Weight : 226.30

Batch Number : CP-QUE-U-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 Hygroscopic Solid |
| 2) | Solubility | Soluble in Methanol/DMSO |
| 3) | MASS By LCMS | Confirm to structure |
| 4) | Purity By HPLC | 95.23% |
| 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.