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CERTIFICATE OF ANALYSIS

Analysis Date: Jul 2025

Re-test Date: Jun 2028

Product Name: Quetiapine EP Impurity Q (Chloride Salt)

Identification:

Chemical Name: 4-(dibenzo[b,f][1,4]thiazepin-11-yl)-1,1-bis(2-(2-hydroxyethoxy)ethyl)piperazin-1-ium, chloride

Synonyms : NA

CAS Number : NA

CAT Number : CP-Q1084

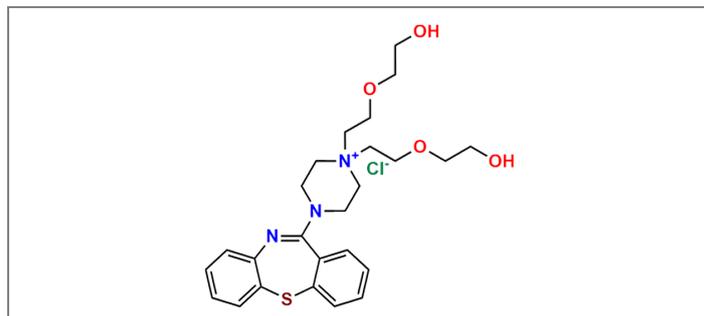
Molecular Formula : C₂₅H₃₄N₃O₄S : Cl

Molecular Weight : 472.62 : 35.45

Batch Number : CP-29-167

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

| Sr. No. | Test | Result |
|---------|-------------------|--------------------------|
| 1) | Description | Off White Solid |
| 2) | Solubility | Soluble in Methanol/DMSO |
| 3) | MASS By LCMS | Mass not ionized |
| 4) | Purity by HPLC | 90.01% |
| 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.