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CERTIFICATE OF ANALYSIS

Analysis Date: May 2023

Re-test Date: May 2025

Product Name: Quetiapine EP Impurity N

Identification:

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

Synonyms : Quetiapine Dipiperazine Diether
Impurity

CAS Number : 1800291-86-4

CAT Number : CP-Q1014

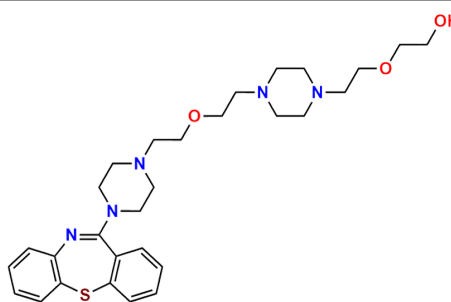
Molecular Formula : C₂₉H₄₁N₅O₃S

Molecular Weight : 539.74

Batch Number : CP-QUE-N-0523

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	Brown Sticky Liquid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.43%
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.