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CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2025

Re-test Date: Mar 2027

Product Name: Quetiapine EP Impurity E

Identification:

Chemical Name: 1,2-bis[2-(4-Dibenzo [b,f] [1,4]thiazepin-11-yl-1-piperazinyl)ethoxy]ethane tetrahydrochloride

Synonyms : Quetiapine bis-Ether
Tetrahydrochloride

CAS Number : 1371638-05-9

CAT Number : CP-Q1005

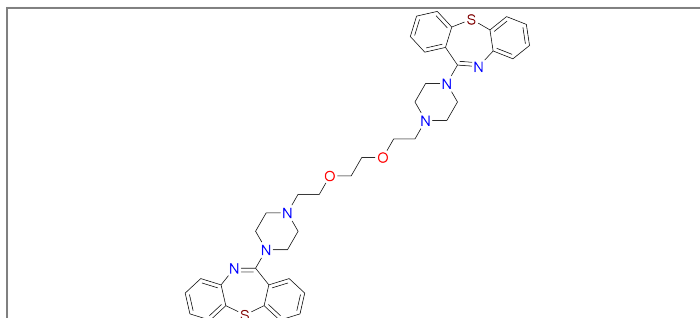
Molecular Formula : C₄₀H₄₄N₆O₂S₂

Molecular Weight : 704.95

Batch Number : CP-QUE-E-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 Sticky Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	96.40%
5)	¹ HNMR	Confirm to structure
6)	IR	Confirm to structure
7)	Weight loss by TGA	-
8)	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.