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CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2025

Re-test Date: Mar 2027

Product Name: Quetiapine EP Impurity Q

Identification:

Chemical Name: 4-(Dibenzo[b,f][1,4]thiazepin-11-yl)-1,1-bis[2-(2-hydroxyethoxy)ethyl]piperazin-1-ium Iodide (as per EP)

Synonyms : Quetiapine Quaternary Salt (USP)

CAS Number : NA

CAT Number : CP-Q1017

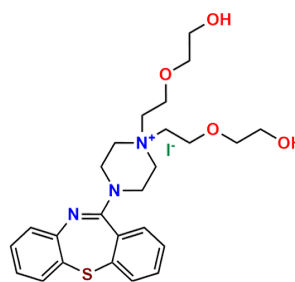
Molecular Formula : C₂₅H₃₄N₃O₄S : I

Molecular Weight : 472.60 : 126.91

Batch Number : CP-QUE-Q-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	Pale Yellow Sticky Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	91.09%
5)	¹ H NMR	Confirm to structure
6)	Weight loss by TGA	1.36%
7)	Potency by TGA	89.85%



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.