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CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2025

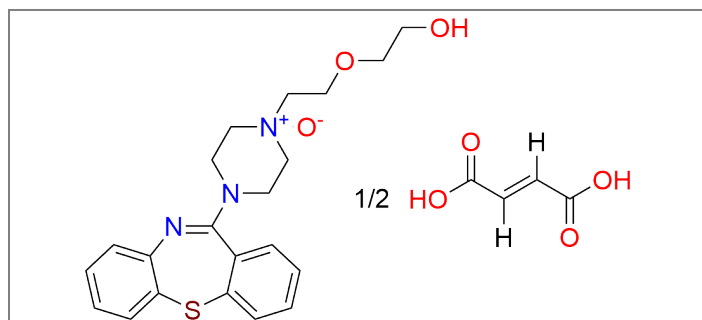
Re-test Date: Mar 2027

Product Name: Quetiapine Impurity 18

Identification:

Chemical Name: 2-[2-[4-(dibenzo[b,f][1,4]thiazepin-11-yl)-1-oxidopiperazin-1-yl]ethoxy]ethanol hemifumarate

Synonyms : NA
CAS Number : NA
CAT Number : CP-Q1031
Molecular Formula : C₂₁H₂₅N₃O₃S : 1/2(C₄H₄O₄)
Molecular Weight : 399.5 : 1/2(116.1)
Batch Number : CP-QUE-18-0523
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	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	Peak 1-9.55% (RT-3.961) + Peak 2-82.52% (RT-8.790)= Total Purity-92.07%
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.