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CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2026

Re-test Date: Feb 2029

Product Name: Quetiapine EP Impurity B

Identification:

Chemical Name: 11-(Piperazin-1-yl)dibenzo[b,f][1,4]thiazepine dihydrochloride (as per EP)

Synonyms : Quetiapine USP Related
Compound B ; N-Desalkyl
Quetiapine

CAS Number : 111974-74-4

CAT Number : CP-Q1002

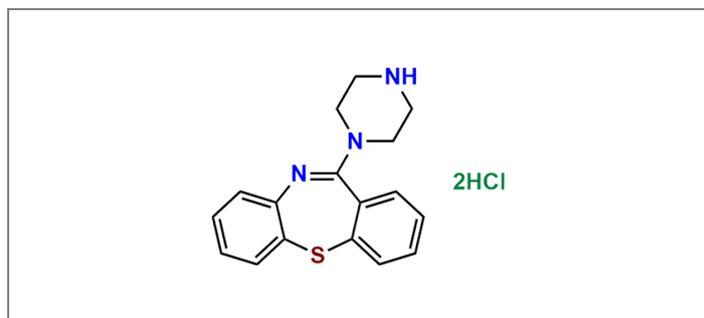
Molecular Formula : C₁₇H₁₇N₃S · 2(HCl)

Molecular Weight : 295.40 : 2(36.46)

Batch Number : CHEM-QUE-B

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	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.12%
5)	¹ H NMR	Confirm to structure
6)	IR	Confirm to Structure
7)	Weight loss by TGA	2.22%
8)	Potency by TGA	96.92%



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.