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## CERTIFICATE OF ANALYSIS

Analysis Date: Sep 2025

Re-test Date: Aug 2028

**Product Name: N-Nitroso Quetiapine EP Impurity B**

### Identification:

Chemical Name: 11-(4-nitrosopiperazin-1-yl)dibenzo[b,f][1,4]thiazepine

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

CAS Number : NA

CAT Number : CP-Q1030

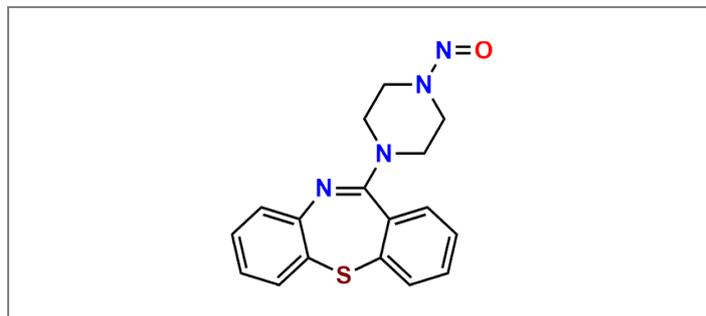
Molecular Formula : C<sub>17</sub>H<sub>16</sub>N<sub>4</sub>O<sub>5</sub>

Molecular Weight : 324.40

Batch Number : CP-35-106

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	99.87%
5)	<sup>1</sup> HNMR	Confirm to Structure
6)	Weight loss by TGA	0.647%
7)	Potency by TGA	99.22%



### 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.