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## CERTIFICATE OF ANALYSIS

Analysis Date: Jan 2024

Re-test Date: Dec 2026

**Product Name: Olanzapine EP Impurity B**

### Identification:

Chemical Name: 2-Methyl-5,10-dihydro-4H-thieno[2,3-b][1,5]benzodiazepin-4-one (as per EP)

Synonyms : Olanzapine USP Related  
Compound B ; Olanzapine  
Amide Impurity

CAS Number : 221176-49-4

CAT Number : CP-O1002

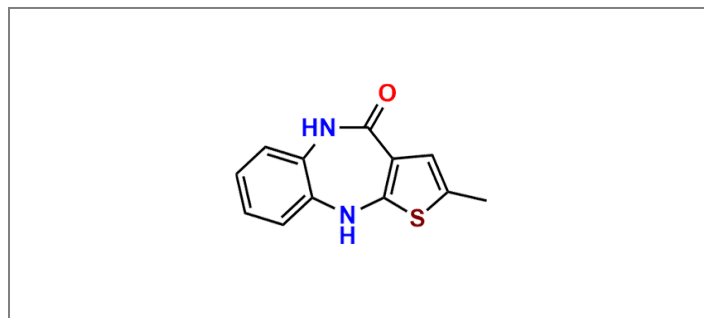
Molecular Formula : C<sub>12</sub>H<sub>10</sub>N<sub>2</sub>O<sub>2</sub>S

Molecular Weight : 230.29

Batch Number : CP-OLA-B-1223

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	Light Green Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	95.38%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to Structure
7)	IR	Confirm to Structure



**Prepared and Reviewed By**



Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**



Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.