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## CERTIFICATE OF ANALYSIS

Analysis Date: Jun 2024

Re-test Date: May 2027

**Product Name: Olanzapine EP Impurity D**

### Identification:

Chemical Name: 1-Methyl-4-(2-methyl-10H-thieno[2,3-b][1,5]benzodiazepin-4-yl)piperazin-1-oxide (as per EP)

Synonyms : Olanzapine-N-oxide ; Olanzapine  
USP Related Compound C

CAS Number : 174794-02-6

CAT Number : CP-O1004

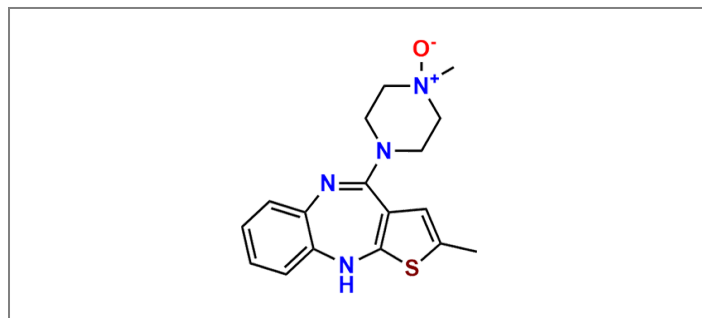
Molecular Formula : C<sub>17</sub>H<sub>20</sub>N<sub>4</sub>O<sub>4</sub>S

Molecular Weight : 328.43

Batch Number : CP-OLA-D-0624

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	O
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.88%
5)	H1NMR	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.