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## CERTIFICATE OF ANALYSIS

Analysis Date: Nov 2025

Re-test Date: Oct 2028

**Product Name: Mirtazapine EP Impurity F**

### Identification:

Chemical Name: 2-Methyl-1,2,3,4-tetrahydrobenzo[c]pyrazino[1,2-a]pyrido[3,2-f]azepin-10(14bH)-one

Synonyms : Mirtazapine USP Related  
Compound D ; Mirtazapine 10-  
Keto Impurity

CAS Number : 191546-97-1

CAT Number : CP-M49006

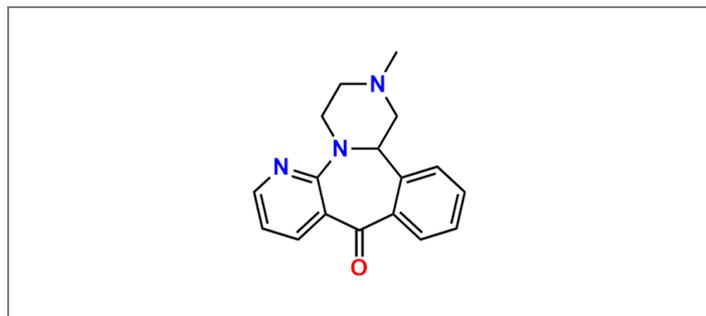
Molecular Formula : C<sub>17</sub>H<sub>17</sub>N<sub>3</sub>O

Molecular Weight : 279.34

Batch Number : CP-MIR-F-1125

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 Brown Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.95%
5)	1HNMR	Confirm to structure
6)	Weight loss by TGA	0.008%
7)	Potency by TGA	99.94%



**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.