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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Mirtazapine EP Impurity D**

### Identification:

Chemical Name: (14bRS)-1,2,3,4,10,14b-hexahydropyrazino[2,1-a]pyrido[2,3-c][2]benzazepine (as per EP)

Synonyms : Mirtazapine USP Related  
Compound A ; N-Desmethyl  
Mirtazapine

CAS Number : 61337-68-6

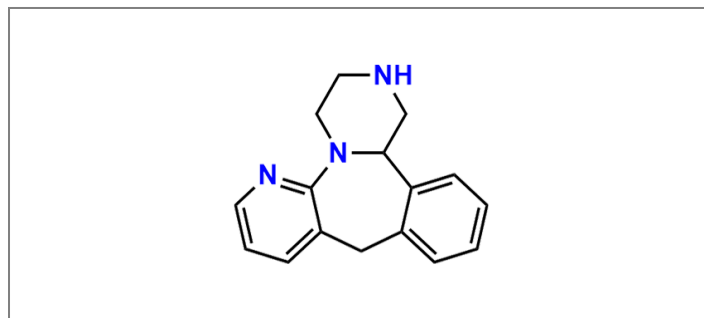
CAT Number : CP-M49004

Molecular Formula : C<sub>16</sub>H<sub>17</sub>N<sub>3</sub>

Molecular Weight : 251.33

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	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	Mass Spectrometry	Confirm to structure
4)	Purity By HPLC	>95%
5)	<sup>1</sup> HNMR	Confirm to structure
6)	FT-IR	Confirm to Structure
7)	Weight loss by TGA	-
8)	Potency	-



#### Prepared and Reviewed By



Mr. Shubham Bondre  
(Quality Control)

#### Approved By



Mr. Abhijit Kale  
(Quality Assurance)

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