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## CERTIFICATE OF ANALYSIS

Analysis Date: Dec 2024

Re-test Date: Nov 2027

**Product Name: Varenicline Impurity 3**

### Identification:

Chemical Name: 1,5,6,7,8,9-Hexahydro-5,9-methanoimidazo[4',5':4,5]benzo[1,2-d]azepine

Synonyms : Five-membered Varenicline impurity

CAS Number : 357424-12-5

CAT Number : CP-V8003

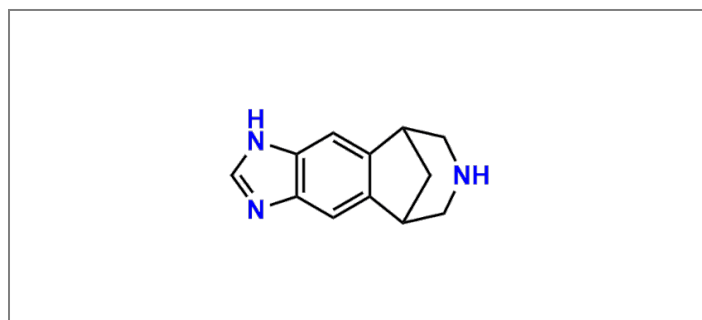
Molecular Formula : C<sub>12</sub>H<sub>13</sub>N<sub>3</sub>

Molecular Weight : 199.26

Batch Number : CP-VAR-03-1224

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 Hygroscopic Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	Mass Spectrometry	Confirm to Structure
4)	Purity By HPLC	96.52%
5)	<sup>1</sup> HNMR	Confirm to Structure



### 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.