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CERTIFICATE OF ANALYSIS

Analysis Date: Jun 2024

Re-test Date: May 2027

Product Name: Nicotine EP Impurity C

Identification:

Chemical Name: (S)-1-methyl-5-(pyridin-3-yl)pyrrolidin-2-one

Synonyms : Nicotine USP Related Compound
C

CAS Number : 486-56-6

CAT Number : CP-N8003

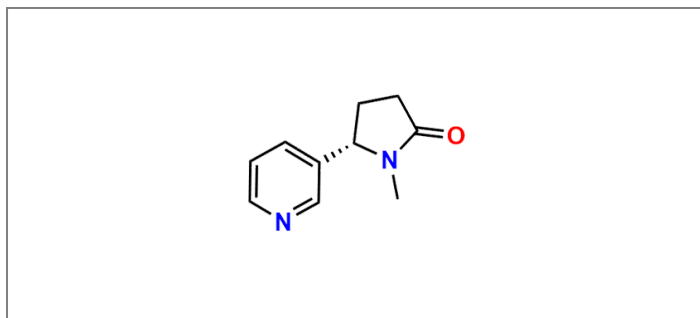
Molecular Formula : C₁₀H₁₂N₂O

Molecular Weight : 176.22

Batch Number : CP-NIC-C-0524

Storage Condition : Tightly closed, Inert atmosphere at -20° C

Shipping condition : At low temperature with dry ice and ice pack gel



Analytical Information:

Sr. No.	Test	Result
1)	Description	Colourless Oil
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.91%
5)	H1NMR	Confirm to structure
6)	13CNMR	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.