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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

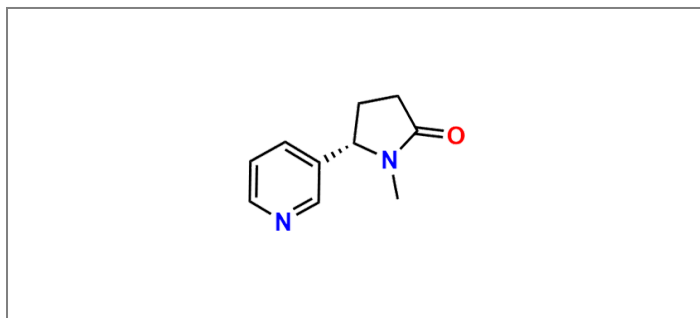
CAT Number : CP-N8003

Molecular Formula : C₁₀H₁₂N₂O

Molecular Weight : 176.22

Batch Number : CP-NIC-C-0524

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



Analytical Information:

Sr. No.	Test	Result
1)	Description	Pale Yellow to Light Brown 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
7)	IR	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.