

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

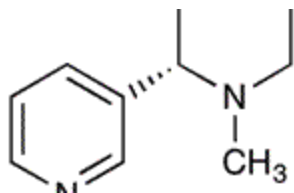
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number 32494

Product **(-)-Nicotine**

(-)-1-Methyl-2-(3-pyridyl)pyrrolidine

(S)-3-(1-Methyl-2-pyrrolidinyl)pyridine

CAS Number 54-11-5

Molecular Formula C₁₀H₁₄N₂

Molecular Weight 162.23

Warnings *Hygroscopic, Air & light sensitive!*

Appearance Colorless or brownish viscous liquid, volatile

Water Content (Karl Fisher) ≤ 0.5%

Optical Rotation $[\alpha]^{25}_D = -130$ to -143°

Infrared Spectrum Conforms to structure

Related Substances Nicotine related compound A, B, C, D, E, F, G : ≤ 0.3% each
Any other unspecified impurity : ≤ 0.1%
Total impurity : ≤ 0.8%

Assay by titration 99 - 101% (Potentiometry)

Grade USP

Storage Store at RT

Additional Information Identification B : To pass test
Tobacco Specific Nitrosamines (TSNAs) :
1) NNN [(2S)-N'-Nitrosornicotine] : ≤ 0.5 ppm
2) NNK [4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone] : ≤ 0.5 ppm

Product Specifications

Catalog Number: 32494

For Laboratory Use Only