3050 Spruce Street, St. Louis, MO 63103 USA Tel: (800) 521-8956 (314) 771-5765 Fax: (800) 325-5052 (314) 771-5757 email: techservice@sial.com sigma-aldrich.com

Product Information

(-)-Nicotinine solution
1.0 mg/mL±5% in methanol
analytical standard, for drug analysis

Catalog Number **N5511**Lot Number 101M8718
Storage Temperature 2–8 °C

CAS RN 54-11-5

Synonyms: 3-(1-Methyl-2-pyrrolidinyl)pyridine

H N CH₃

Product Description

Molecular Formula: C₁₀H₁₄N₂ Molecular Weight: 162.23

DEA Class: Formulation of a non-controlled substance

Concentration: 1.03 mg of (–)-nicotine/mL of GC grade methanol, concentration verified by UV.

Expiration Date: Janaury 2015

Precautions and Disclaimer

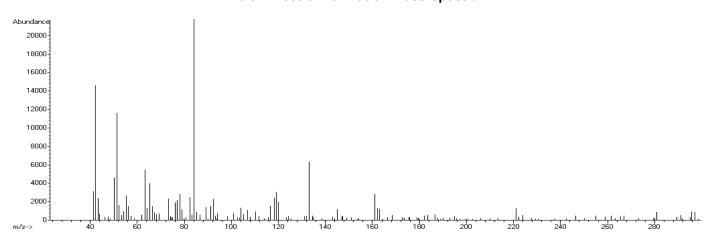
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

Store the product at 2–8 $^{\circ}$ C. If stored at 2–8 $^{\circ}$ C in an airtight container, protected from light, decomposition of the product is less than 1% in 24 months. After opening, concentration may change due to loss of solvent.

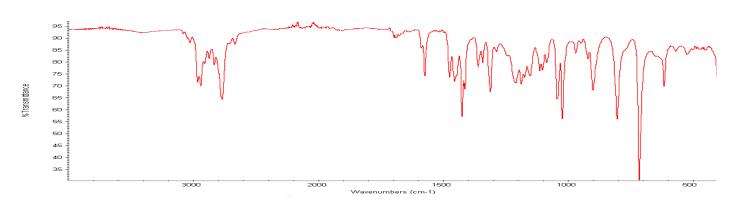
CMW, MAM 02/16-1

70 eV Electron Ionization Mass Spectrum



Hewlett-Packard 6890 Series II Gas Chromatograph Hewlett-Packard 6890 Mass Selective Detector Hewlett-Packard 5973 MS ChemStation (HP-DOS series)

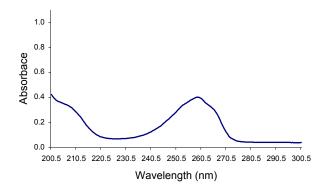




Nicolet 380 FT-IR Smart Orbit(ATR)

Ultraviolet Spectrum

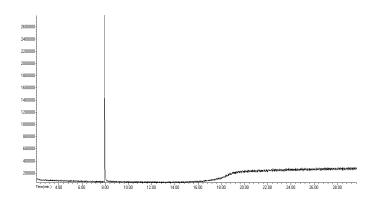
Peak	258.5 nm
Absorbance	0.4020
Solvent	0.2 N H ₂ SO ₄
Dilution	1.99 (////)



Beckman-Coulter DU 800

Capillary Gas Chromatography

Column Supelco SPB-1 (Catalog Number 24162)
I.D. 0.20 mm Length 15 m Film Thickness 0.20 μm
Oven Temperature 50 °C (2 minutes), then
15 °C/minute to 300 °C, hold 11 minutes
Injector Temperature 250 °C,Split
Detector Hewlett-Packard 6890
Mass Selective Detector (70 eV, 40-500 m/z)



Hewlett-Packard 6890

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