

## Product Information

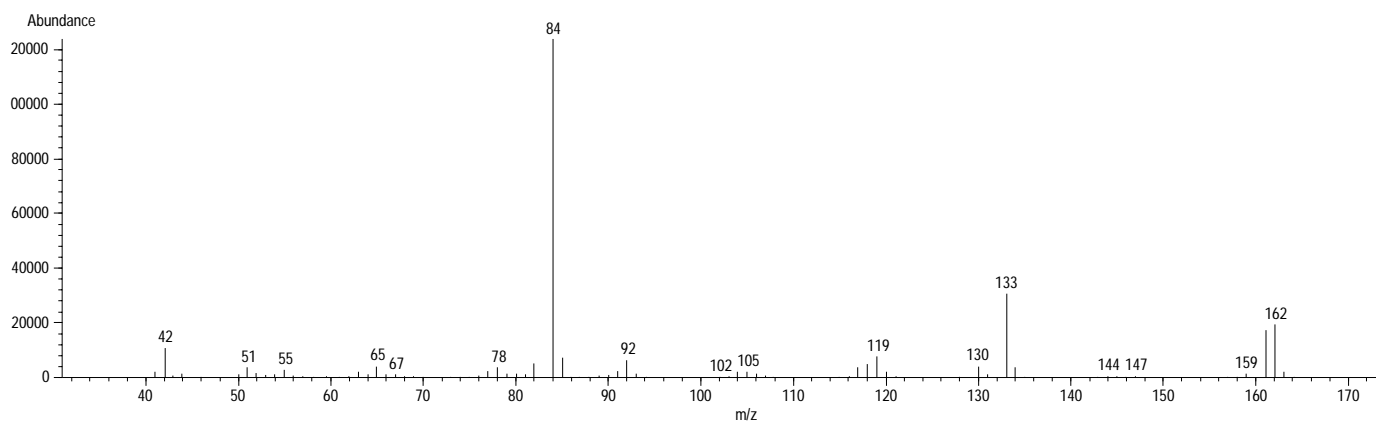
### (-)-NICOTINE

Methanol Solution

<b>Product Number</b>	N 5511
<b>Lot Number</b>	41K8803
<b>CAS Number</b>	[54-11-5]
<b>Concentration</b>	1.01 mg (-)-Nicotine/mL GC grade methanol (conc. verified by UV)
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>14</sub> N <sub>2</sub>
<b>Molecular Weight</b>	162.2
<b>DEA Class</b>	Formulation of a non controlled substance

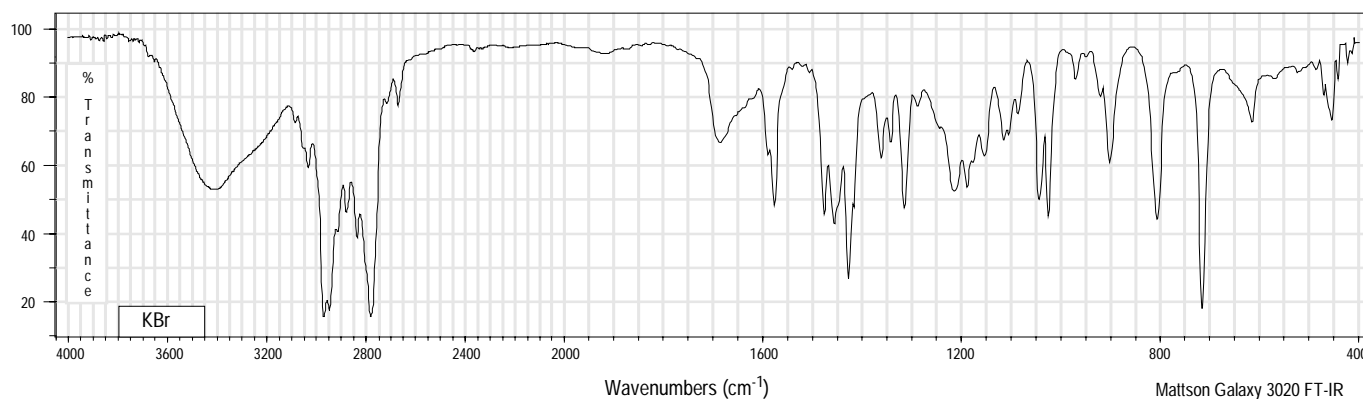
<b>Synonyms</b>	3-(1-Methyl-2-pyrrolidinyl)pyridine
<b>Stability</b>	If stored at 2-8°C in an air tight container, protected from light, decomposition of the product is less than 1% in 48 months. After opening, concentration may change due to loss of solvent.
<b>Expiration Date</b>	December 2005
<b>Storage</b>	2-8°C; After opening, transfer contents to small vial provided for your convenience.

70 eV Electron Ionization Mass Spectrum



Hewlett-Packard 5890 Series II Gas Chromatograph  
Hewlett-Packard 5971 Mass Selective Detector  
Hewlett-Packard G1034C MS ChemStation (HP-DOS series)

### FT-IR

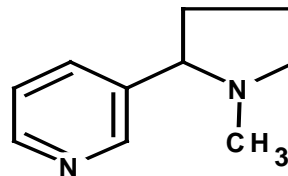


# (-)-NICOTINE

Methanol Solution

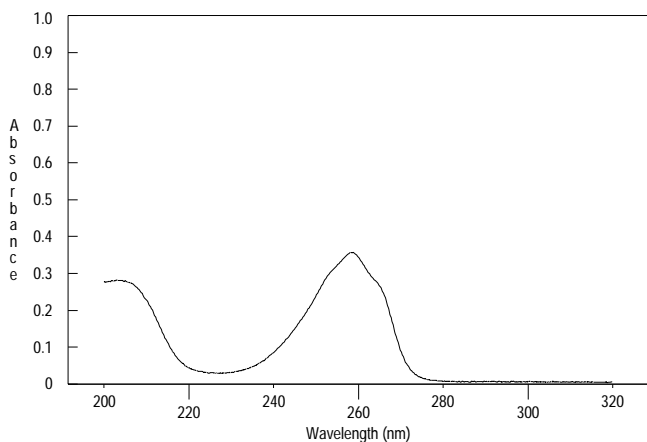
Product Number N 5511

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## Ultraviolet Spectrum

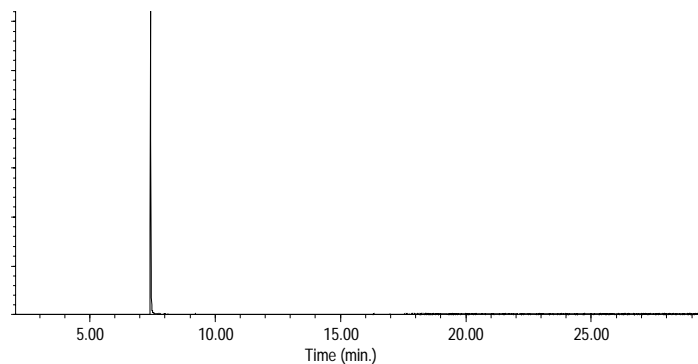
<b>Peak</b>	258.4 nm
<b>Absorbance</b>	0.357
<b>Solvent</b>	0.2 N H <sub>2</sub> SO <sub>4</sub>
<b>Dilution</b>	1 : 99 (v/v)



Kontron Uvikon 940

## Capillary Gas Chromatography

**Column** Supelco SPB-1 (Cat. No. 2-4162)  
**I.D.** 0.20 mm **Length** 15 m **Film Thickness** 0.20 μm  
**Oven Temperature** 50°C (2 min.), then 15°/min. to 300°C, hold 11 min.  
**Injector Temperature** 175°C, Split  
**Detector** Hewlett-Packard 5971  
Mass Selective Detector (70 eV, 40-500 m/z)



Hewlett-Packard 5890

N 5511/41K8803/04/17/01

This product is not for *in vitro* diagnostic procedures. For R&D use only. Not for drug, household or other uses.

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