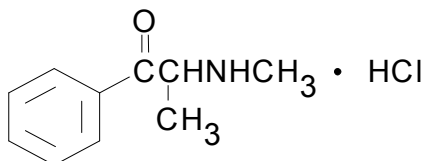


Product Information

**2-(Methylamino)propiophenone hydrochloride
solution, 1.0 mg/mL $\pm$ 5% in methanol
drug standard**

Catalog Number **M8536**
Lot Number 118K8703
Storage Temperature 2–8 °C

CAS RN 49656-78-2
Synonyms: 2-(Methylamino)-1-phenyl-1-propanone
hydrochloride; Methcathinone hydrochloride



Product Description

Molecular Formula: C₁₀H₁₃NO · HCl
Molecular Weight: 199.68

DEA Class: Exempt preparation of Class I

Concentration: 1.24 mg ($\pm$)-2-(methylamino)-
propiophenone hydrochloride (equivalent to 1.01 mg of
free base)/mL of GC grade methanol (concentration
verified by UV)

Expiration Date: October 2011

Precautions and Disclaimer

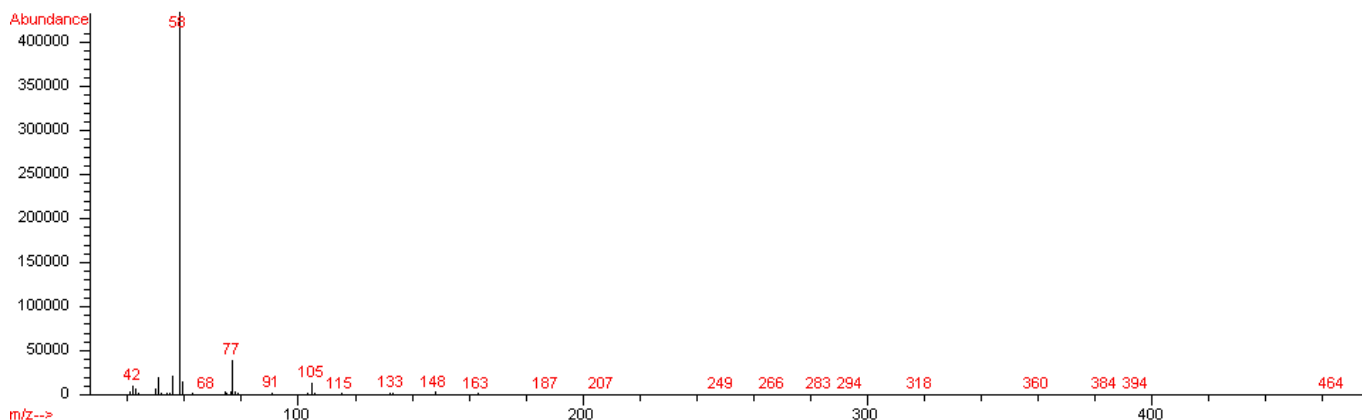
This product is for R&D use only, not for drug,
household, or other uses. Please consult the Material
Safety Data Sheet for information regarding hazards
and safe handling practices.

Storage/Stability

Store the product at 2–8 °C. If stored at 2–8 °C in an
airtight container, protected from light, decomposition of
the product is less than 1% in 36 months. After
opening, concentration may change due to loss of
solvent.

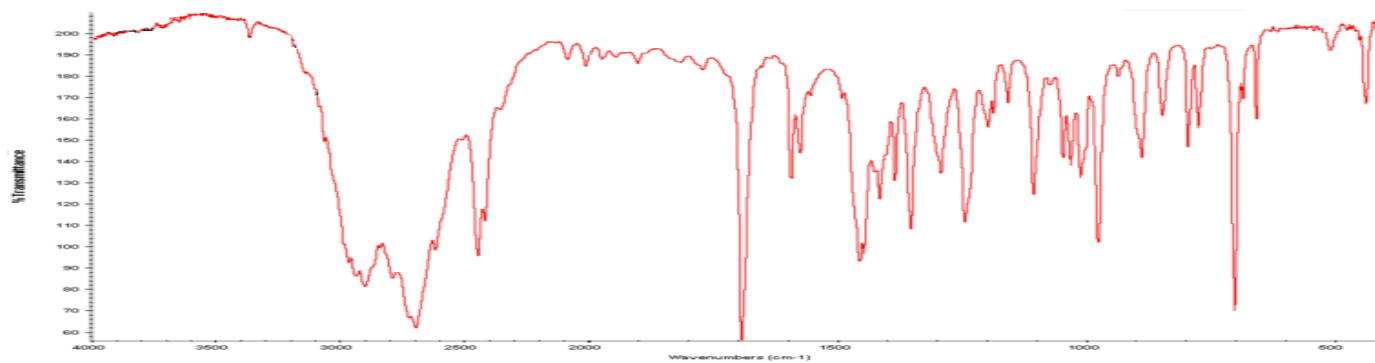
CMW,MAM 11/08-1

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)

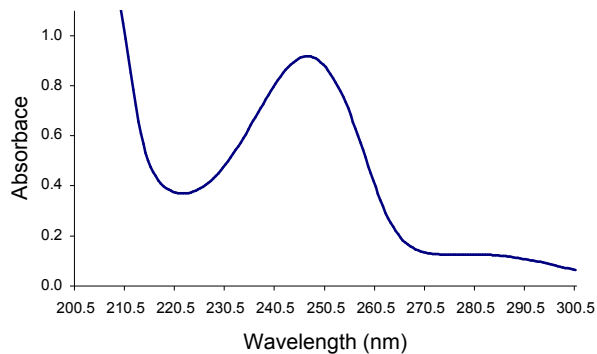
FT-IR



(wavenumbers cm^{-1})
Nicolet Magna IR Spectrometer Series II

Ultraviolet Spectrum

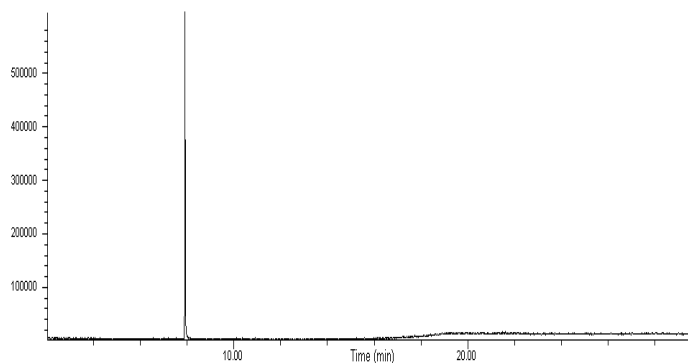
Peak	246.5 nm
Absorbance	0.9178
Solvent	GC grade methanol
Dilution	1:99 (v/v)



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 5971
Mass Selective Detector (70 eV, 40-500 m/z)



Hewlett-Packard 5890

Sigma brand products are sold through Sigma-Aldrich, Inc.

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply. Please see reverse side of the invoice or packing slip.