

# Product Information

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

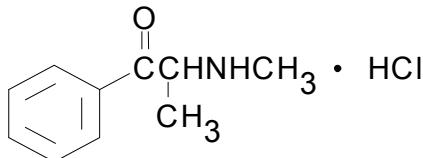
Catalog Number **M8536**

Lot Number SLBK9380V

Storage Temperature 2–8 °C

CAS RN 49656-78-2

Synonyms: 2-(Methylamino)-1-phenyl-1-propanone  
hydrochloride; Methcathinone hydrochloride



### Product Description

Molecular Formula: C<sub>10</sub>H<sub>13</sub>NO · HCl

Molecular Weight: 199.68

DEA Class: Exempt preparation of Class I

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

Expiration Date: September 2017

### Precautions and Disclaimer

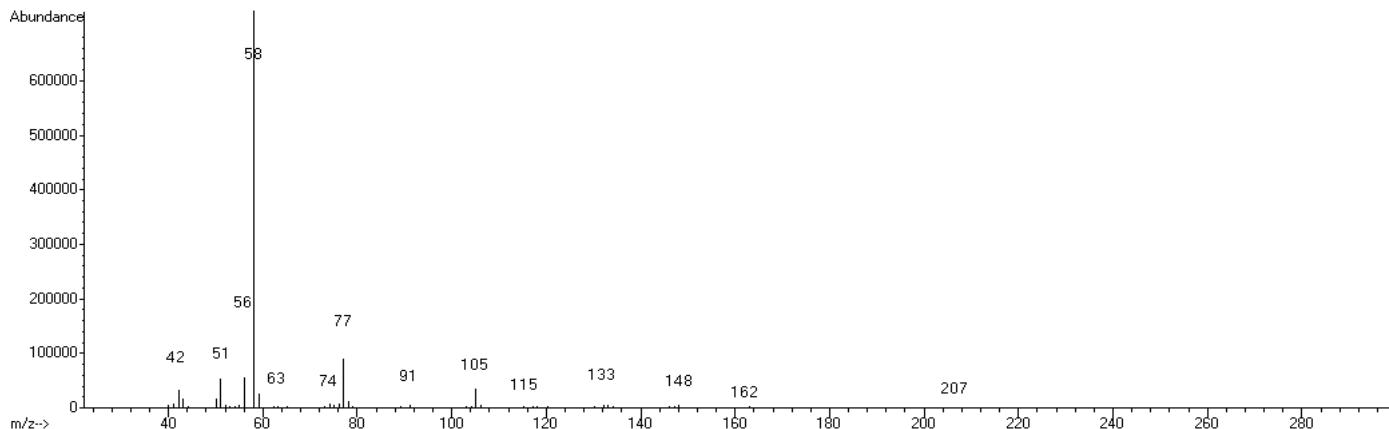
This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

### 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.

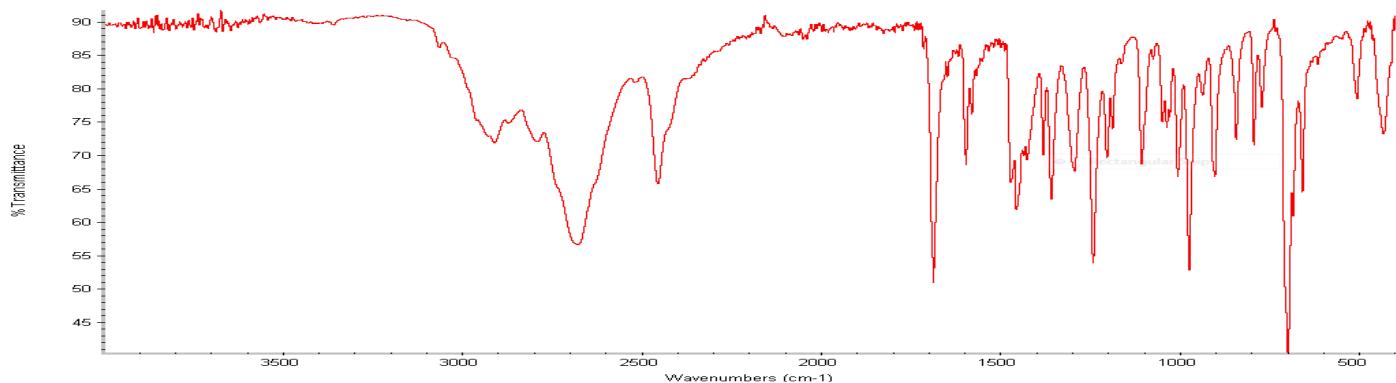
CMW, MAM 01/16-1

### 70 eV Electron Ionization Mass Spectrum



Hewlett-Packard 6890 Series II Gas Chromatograph  
Hewlett-Packard 5973 Mass Selective Detector  
Hewlett-Packard G1701DA MS ChemStation (HP-DOS series)

### FT-IR



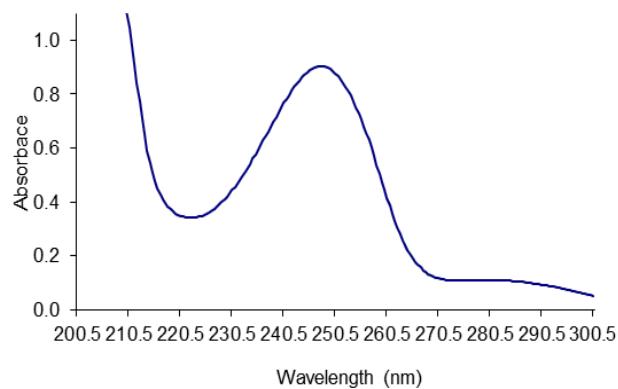
Nicolet 380 FT-IR Thermo Smart Orbit

### Ultraviolet Spectrum

Peak	247 nm
Absorbance	0.9043
Solvent	GC grade methanol
Dilution	1:99 (v/v)

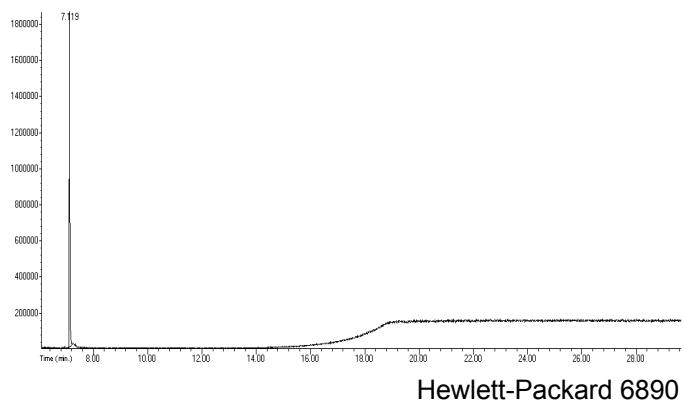
### Capillary Gas Chromatography

**Column** Supelco SPB-1 (Catalog Number 24162)  
**I.D.** 0.20 mm **Length** 15 m **Film Thickness** 0.20  $\mu$ m  
**Oven Temperature** 50 °C (2 minutes), then  
15 °C/minute to 300 °C, hold 11 minutes  
**Injector Temperature** 250 °C, Split  
**Detector** Hewlett-Packard 5973  
Mass Selective Detector (70 eV, 40-500 m/z)



Beckman-Coulter DU 800

Assayed as the free base



Hewlett-Packard 6890