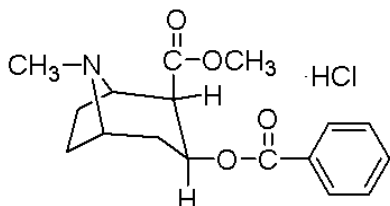


## Product Information

### Cocaine hydrochloride solution 1.0 mg/mL±5% in methanol drug standard

Catalog Number **C1528**  
Lot Number 060M8700  
Storage Temperature 2–8 °C

CAS RN 53-21-4  
Synonyms: 3-(Benzoxyloxy)-8-azabicyclo-[3.2.1]octane-2-carboxylic acid methyl ester hydrochloride; l-Cocaine hydrochloride; Ecgonine methyl ester benzoate hydrochloride; Benzoylmethylecgonine hydrochloride



#### Product Description

Molecular Formula: C<sub>17</sub>H<sub>21</sub>NO<sub>4</sub> · HCl  
Molecular Weight: 339.81

DEA Class: Exempt preparation of Class II

Concentration: 1.13 mg of cocaine hydrochloride (equivalent to 1.01 mg of free base)/mL of GC grade methanol, concentration verified by UV.

Expiration Date: November 2016

#### Precautions and Disclaimer

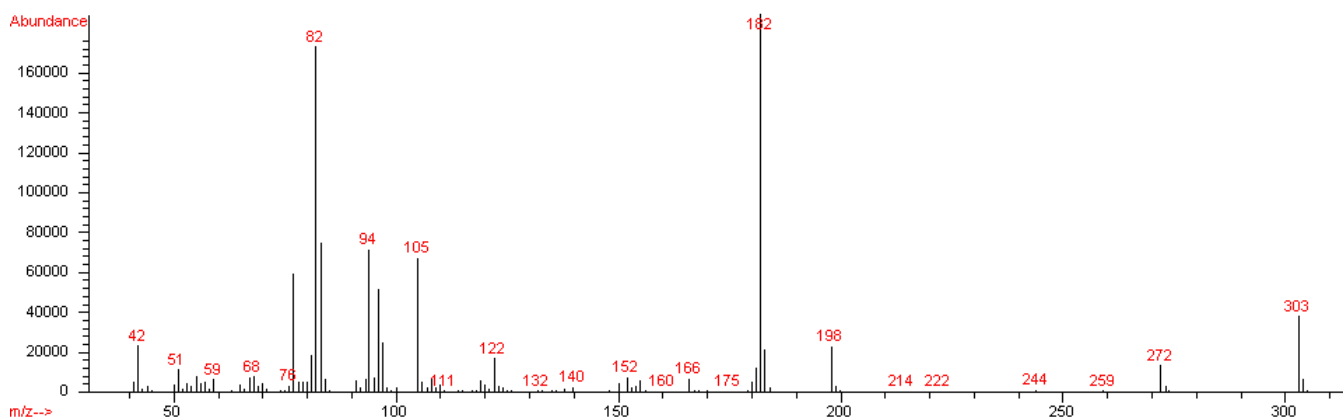
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

#### 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 24 months. After opening, concentration may change due to loss of solvent.

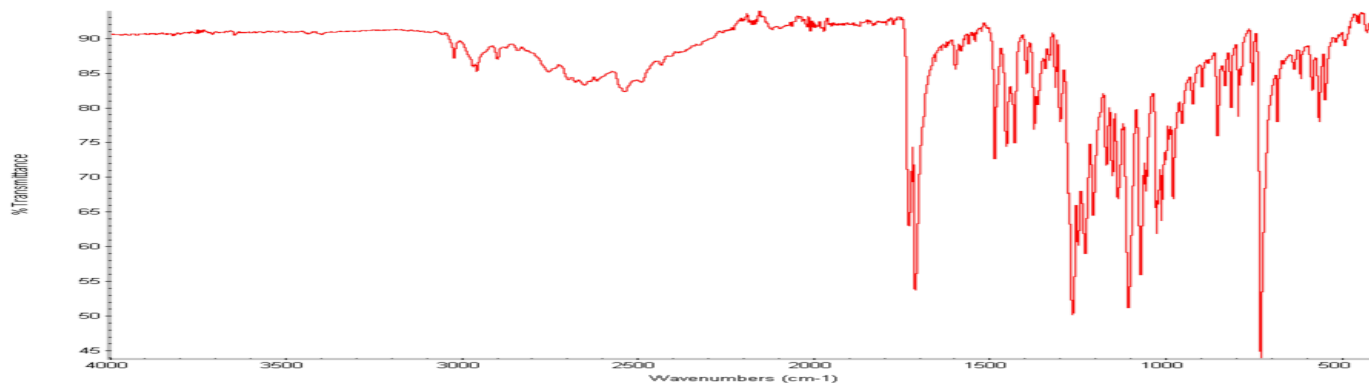
CMW,MAM 05/10-1

### 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)

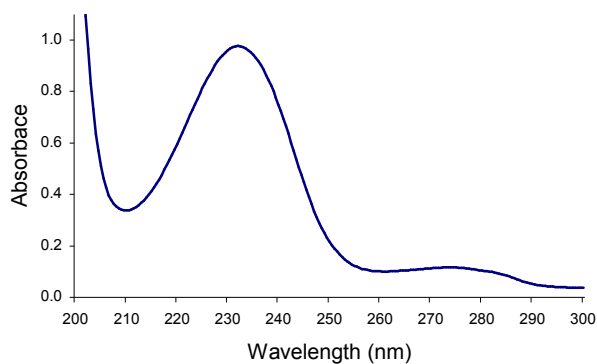
### FT-IR



Nicolet 380 FT-IR Thermo Smart Orbit

### Ultraviolet Spectrum

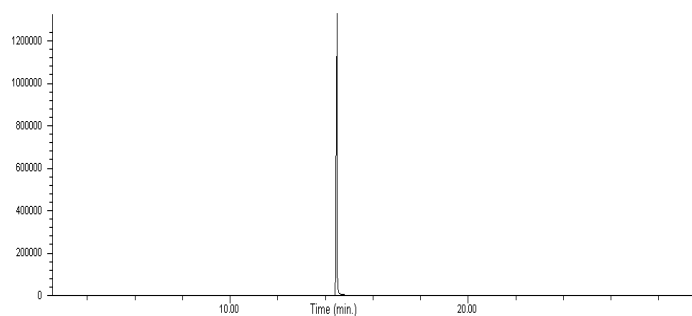
<b>Peak</b>	232.0 nm
<b>Absorbance</b>	0.9766
<b>Solvent</b>	0.2 N Sulfuric acid
<b>Dilution</b>	1:49 (v/v)



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  $\mu\text{m}$   
**Oven Temperature** 50 °C (2 minutes), then  
15 °C/minute to 300 °C, hold 11 minutes  
**Injector Temperature** 250 °C, Split  
**Detector** Hewlett-Packard 5971  
Mass Selective Detector (70 eV, 40-500 m/z)



Hewlett-Packard 5890

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