

Product Information

Cocaine hydrochloride solution

1.0 mg/mL±5% in methanol

analytical standard for drug analysis

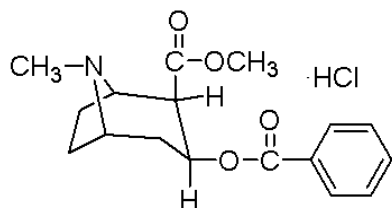
Catalog Number **C1528**

Lot Number SLBD7673V

Storage Temperature 2–8 °C

CAS RN 53-21-4

Synonyms: 3-(Benzoyloxy)-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: C₁₇H₂₁NO₄ · HCl

Molecular Weight: 339.81

DEA Class: Exempt preparation of Class II

Concentration: 1.15 mg of cocaine hydrochloride (equivalent to 1.03 mg of free base)/mL of GC grade methanol, concentration verified by UV.

Expiration Date: March 2016

Precautions and Disclaimer

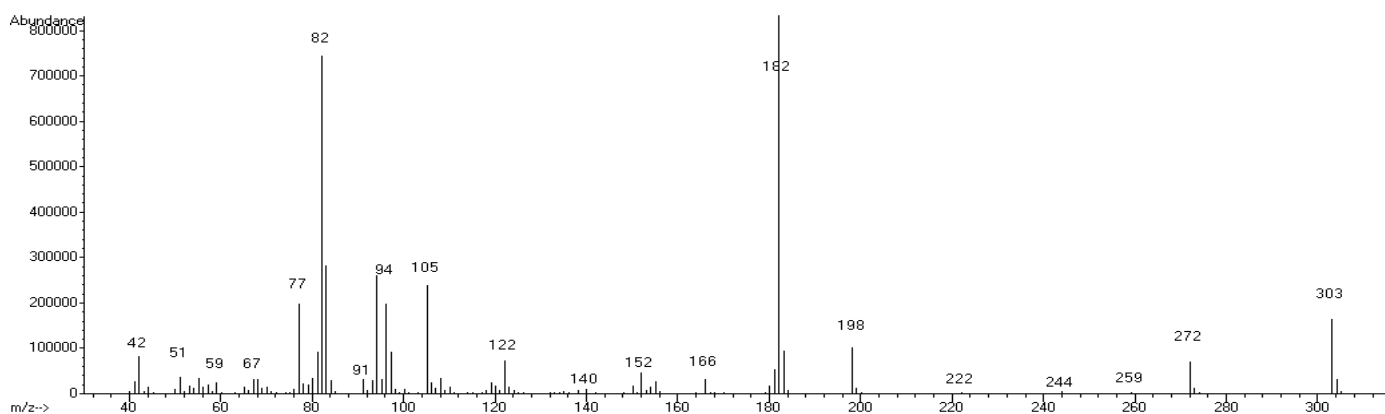
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

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.

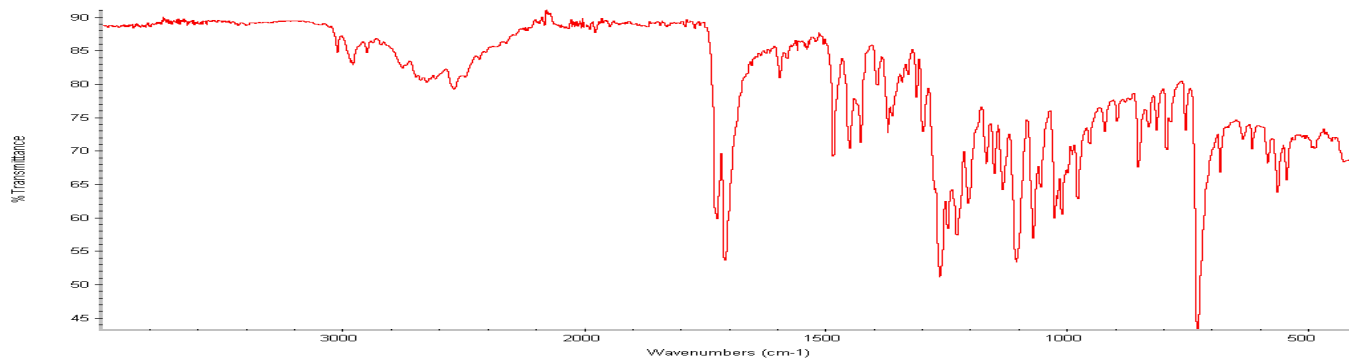
CMW,MAM 04/13-1

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)

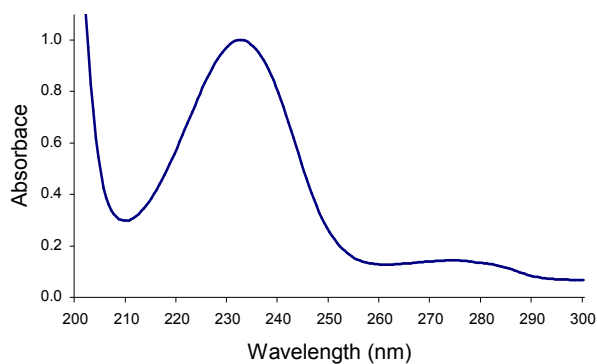
FT-IR



Nicolet 380 FT-IR Thermo Smart Orbit

Ultraviolet Spectrum

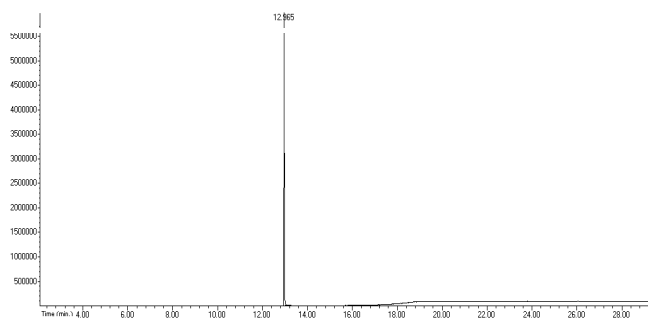
Peak	232.5 nm
Absorbance	1.0010
Solvent	0.2 N Sulfuric acid
Dilution	1:49 (v/v)



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



Hewlett-Packard 6890