

Product Information

Cocaine hydrochloride solution

1.0 mg/mL \pm 5% in methanol
drug standard

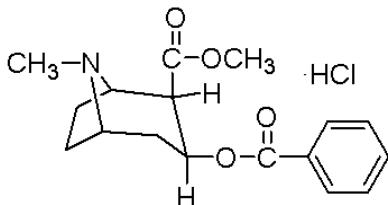
Catalog Number **C1528**

Lot Number 109K87331

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; I-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: 1.11 mg of cocaine hydrochloride (equivalent to 0.993 mg of free base)/mL of GC grade methanol, concentration verified by UV.

Expiration Date: April 2016

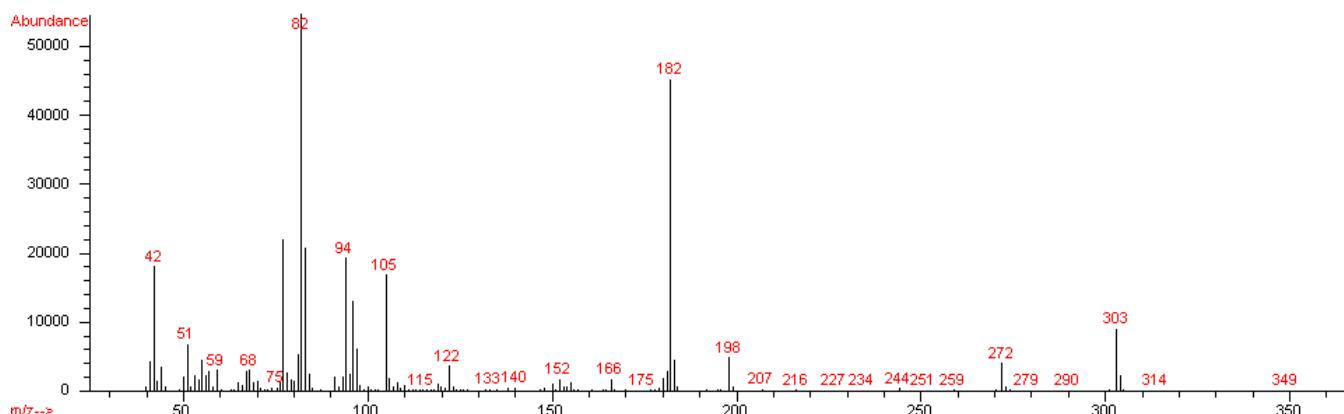
Precautions and Disclaimer

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

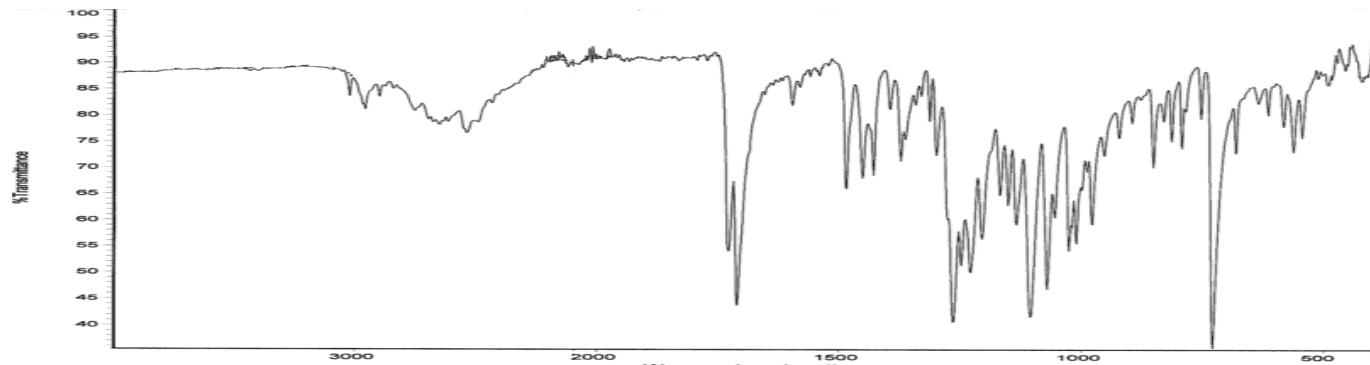
Store the product at 2–8 °C. If stored at 2–8 °C in an airtight container, protected from light, decomposition of the product is less than 1% in 24 months. After opening, concentration may change due to loss of solvent.

JES,MAM 02/10-1

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



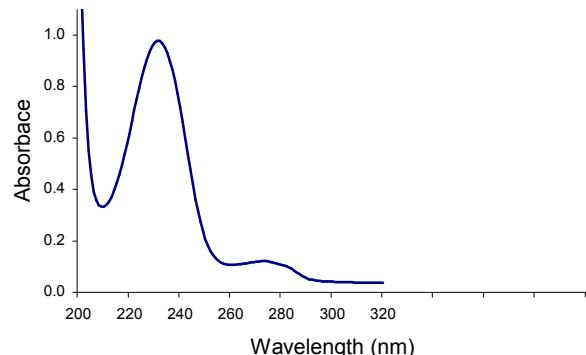
Nicolet 380 FT-IR Thermo Smart Orbit

Ultraviolet Spectrum

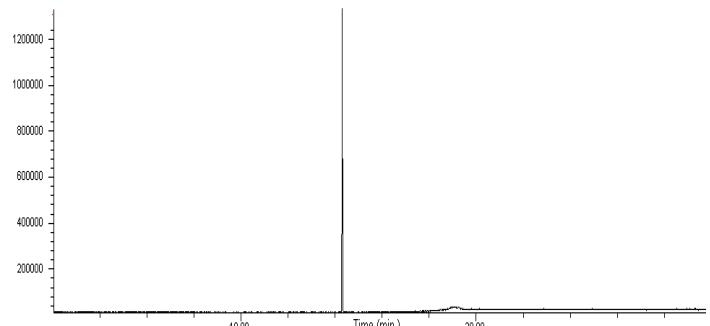
Peak	232.0 nm
Absorbance	0.9772
Solvent	0.2 N Sulfuric acid
Dilution	1:49 (v/v)

Capillary Gas Chromatography

Column Supelco SPB-1 (Catalog Number 24162)
I.D. 0.20 mm **Length** 15 m **Film Thickness** 0.20 μ 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)



Beckman-Coulter DU 800



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.