COCAINE HYDROCHLORIDE
Methanol Solution

Product Number: C 1528
Lot Number: 114K8804
CAS Number: [53-21-4]
Concentration: 1.13 mg Cocaine Hydrochloride (equivalent to 1.01 mg free base) /mL
GC grade methanol (conc. verified by UV)

Molecular Formula: C_{17}H_{21}NO_4•HCl
Molecular Weight: 339.8
DEA Class: Exempt preparation of Class II

Synonyms: 3-(Benzoyloxy)-8-azabicyclo-[3.2.1]octane-2-carboxylic acid methyl ester hydrochloride;
I-Cocaine hydrochloride; Ecgonine methyl ester bezoaote hydrochloride;
Benzoylmethylecgonine hydrochloride

Stability: If stored at 2-8°C in an air tight 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.

Expiration Date: December 2007

Storage: 2-8°C.

70 eV Electron Ionization Mass Spectrum

FT-IR

Hewlett-Packard 5971 Mass Selective Detector
Hewlett-Packard G1034C MS ChemStation (HP-DOS series)
Mattson Galaxy 3020 FT-IR
KBW Pellet
COCaine HydROCHLORIDE
Methanol Solution
Product Number C 1528
Lot Number 114K8804

Ultraviolet Spectrum

Peak 233.8 nm
Absorbance 0.915
Solvent 0.2 N H₂SO₄
Dilution 1:49 (v/v)

Capillary Gas Chromatography

Column Supelco SPB-1 (Cat. No. 2-4162)
I.D. 0.20 mm Length 15 m Film Thickness 0.20 µm
Oven Temperature 50°C (2 min.), then 15°/min. to 300°C, hold 11 min.
Injector Temperature 250°C, Split
Detector Hewlett-Packard 5971
Mass Selective Detector (70 eV, 40-500 m/z)

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