COCAINE HYDROCHLORIDE
Methanol Solution

Product Number: C 1528  
Lot Number: 41K8800  
CAS Number: [53-21-4]

Concentration: 1.15 mg Cocaine Hydrochloride (equivalent to 1.03 mg free base) /mL  
GC grade methanol (conc. verified by UV)

Molecular Formula: C_{17}H_{21}NO_4 \cdot 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;
L-Cocaine hydrochloride: Ecgonine methyl ester bezoate 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 2003

Storage:
2-8°C; After opening, transfer contents to small vial provided for your convenience.

70 eV Electron Ionization Mass Spectrum

FT-IR

Hewlett-Packard 5890 Series II Gas Chromatograph
Hewlett-Packard 5971 Mass Selective Detector
Hewlett-Packard G1034C MS ChemStation (HP-DOS series)
**Ultraviolet Spectrum**

<table>
<thead>
<tr>
<th>Peak</th>
<th>233.0 nm</th>
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<tbody>
<tr>
<td>Absorbance</td>
<td>0.907</td>
</tr>
<tr>
<td>Solvent</td>
<td>0.2 N H₂SO₄</td>
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<tr>
<td>Dilution</td>
<td>1 : 49 (v/v)</td>
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</table>

**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°C/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)

This product is not for *in vitro* diagnostic procedures. For R&D use only. Not for drug, household or other uses.

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