COCAINE HYDROCHLORIDE
Methanol Solution

Product Number: C 1528
Lot Number: 41K88001
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 bezoate hydrochloride;
- l-Cocaine hydrochloride;
- Egonine 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 2005

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

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

Mattson Galaxy 3020 FT-IR
COCAINE HYDROCHLORIDE
Methanol Solution
Product Number C 1528
Lot Number 41K88001

Ultraviolet Spectrum

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

Capillary Gas Chromatography

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

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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