### TECHNICAL BULLETIN

<table>
<thead>
<tr>
<th><strong>Lot Number</strong></th>
<th>93K8800</th>
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</thead>
<tbody>
<tr>
<td><strong>CAS Number</strong></td>
<td>[53-21-4]</td>
</tr>
<tr>
<td><strong>Concentration</strong></td>
<td>1.12 mg Cocaine Hydrochloride (equivalent to 1.00 mg free base)/mL GC grade methanol (conc. verified by UV)</td>
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<tr>
<td><strong>Molecular Formula</strong></td>
<td>( C_{17}H_{21}NO_4 \cdot HCl )</td>
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<tr>
<td><strong>Molecular Weight</strong></td>
<td>339.8</td>
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<tr>
<td><strong>DEA Class</strong></td>
<td>Exempt preparation of Class II</td>
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<tr>
<td><strong>Expiration Date</strong></td>
<td>June 2006</td>
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<tr>
<td><strong>Storage</strong></td>
<td>2-8 °C; After opening, concentration may change due to loss of solvent.</td>
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**Synonyms**
- 3-(Benzoyloxy)-8-azabicyclo-[3.2.1]octane-2-carboxylic acid methyl ester hydrochloride;
- I-Cocaine hydrochloride; Ecgonine methyl ester bezoate hydrochloride; Benzoylmethylcgonine 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.

**70 eV Electron Ionization Mass Spectrum**

![Mass Spectrum Graph]

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

**Ultraviolet Spectrum**

- **Peak**: 233.3 nm
- **Absorbance**: 0.908
- **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 mm  **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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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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