1. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Batch Molecular Formula:</td>
<td>C_{17}H_{21}NO_4.HCl</td>
</tr>
<tr>
<td>Batch Molecular Weight:</td>
<td>339.81</td>
</tr>
<tr>
<td>Physical Appearance:</td>
<td>White crystalline solid</td>
</tr>
<tr>
<td>Solubility:</td>
<td>water to 100 mM</td>
</tr>
<tr>
<td>Storage:</td>
<td>Store at RT</td>
</tr>
</tbody>
</table>

2. ANALYTICAL DATA

<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPLC:</td>
<td>Shows &gt;99% purity</td>
</tr>
<tr>
<td>Optical Rotation:</td>
<td>[\alpha]_D = -72.2 (Concentration = 2.5, Solvent = Water)</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: Cocaine hydrochloride
Catalog No.: 2833
Batch No.: 3
EC Number: 200-167-1

CAS Number: 53-21-4
IUPAC Name: 3β-Hydroxy-1αH,5αH-tropane-2β-carboxylic acid methyl ester benzoate hydrochloride

Description: Competitive inhibitor of monoamine neurotransmitter transporters. Inhibits dopamine (DAT), serotonin (SERT) and noradrenalin (NET) transporters with $K_i$ values are 267, 392 and 872 nM respectively. Psychostimulant.

Physical and Chemical Properties:
- Batch Molecular Formula: C$_{17}$H$_23$NO$_4$.HCl
- Batch Molecular Weight: 339.81
- Physical Appearance: White crystalline solid

Minimum Purity: ≥99%

Storage: Store at RT
CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:
Water to 100 mM

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Other Information:

INFORMATION FOR CUSTOMERS IN THE UK ONLY
This product is a Schedule 2 Home Office controlled substance and customers in the UK are required to hold the relevant licence or be exempt from restrictions in order to purchase and possess this material.

References: