1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C_{21}H_{20}INO_{6}.H_{2}O
Batch Molecular Weight: 527.32
Physical Appearance: Off White solid
Solubility:
  - water to 20 mM
  - DMSO to 50 mM
Storage: Store at RT

2. ANALYTICAL DATA

TLC: R_f = 0.1 (Dichloromethane:Methanol [95:5])
HPLC: Shows 99.6% purity
^{1}H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>47.83</td>
<td>47.82</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>4.21</td>
<td>4.05</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>2.66</td>
<td>2.71</td>
</tr>
</tbody>
</table>
Description:
Methiodide form of classical GABA<sub>A</sub> receptor antagonist (+)-bicuculline (Cat. No. 0130). More water-soluble and stable. Non-GABA receptor-mediated actions reported, including actions on calcium-dependent potassium channels.

Physical and Chemical Properties:
- Batch Molecular Formula: C<sub>21</sub>H<sub>21</sub>INO<sub>2</sub>H<sub>2</sub>O
- Batch Molecular Weight: 527.32
- Physical Appearance: Off White 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 20 mM
- DMSO to 50 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.

References:
- Seutin and Johnson (1999) Recent advances in the pharmacology of quaternary salts of bicuculline. TIPS 20 268. PMID: 10390643.