1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $\text{C}_{23}\text{H}_{25}\text{IN}_2\text{O}_3$

Batch Molecular Weight: 504.37

Physical Appearance: Yellow solid

Solubility: DMSO to 100 mM

Storage: Desiccate at +4°C

2. ANALYTICAL DATA

TLC: $R_f = 0.63$ (Chloroform:Methanol [9:1])

HPLC: Shows 98.8% 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>
<th>Error</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>54.77</td>
<td>55.01</td>
<td>0.24</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>5.55</td>
<td>5.07</td>
<td>-0.48</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>5.55</td>
<td>5.6</td>
<td>-0.48</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Information

Product Name: AM 630
Catalog No.: 1120
Batch No.: 16

CAS Number: 164178-33-0
IUPAC Name: 6-Iodo-2-methyl-1-[2-(4-morpholinyl)ethyl]-1H-indol-3-yl](4-methoxyphenyl)methanone

Description:
AM 630 is a CB₂ inverse agonist (Kᵢ = 31.2 nM) that displays 165-fold selectivity over CB₁ receptors. Behaves as a weak partial/inverse agonist at CB₁ receptors.

Physical and Chemical Properties:
Batch Molecular Formula: C₂₃H₂₀lN₂O₃
Batch Molecular Weight: 504.37
Physical Appearance: Yellow solid
Minimum Purity: ≥98%

Storage: Desiccate at +4°C
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:
DMSO 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 1 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: