1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $\text{C}_{26}\text{H}_{31}\text{N}_{3}\text{O}_{5}\text{S}$
Batch Molecular Weight: 497.61
Physical Appearance: White solid
Solubility: DMSO to 100 mM
ethanol to 10 mM
Storage: Store at +4°C

2. ANALYTICAL DATA

HPLC: Shows 99.6% purity
Chiral HPLC: Shows 100% purity
$^1$H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Optical Rotation: $[\alpha]_D = -5.2$ (Concentration = 1, Solvent = Ethanol)
Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>62.76</td>
<td>62.88</td>
</tr>
<tr>
<td>H</td>
<td>6.28</td>
<td>6.34</td>
</tr>
<tr>
<td>N</td>
<td>8.44</td>
<td>8.41</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: L-748,337
Catalog No.: 2760
Batch No.: 5

CAS Number: 244192-94-7

Description:
Competitive β₃-adrenoceptor antagonist that displays selectivity over β₁ and β₂ receptors (Kᵢ values are 4.0, 204 and 390 nM for β₃-, β₂- and β₁-adrenoceptors respectively). Inhibits cAMP accumulation in response to isoproterenol (IC₅₀ = 6 nM). Reduces iNOS expression, attenuates nitric oxide-induced cell proliferation and induces apoptosis in a melanoma cell line.

Physical and Chemical Properties:
Batch Molecular Formula: C₂₆H₃₁N₅O₆S
Batch Molecular Weight: 497.61
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Store at +4°C

Solubility & Usage Info:
DMSO to 100 mM
ethanol to 10 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: