Product Name: SB 657510
Catalog No.: 3571
Batch No.: 2
CAS Number: 474960-44-6
IUPAC Name: 2-Bromo-N-[4-chloro-3-[[3(R)-1-methyl-3-pyrrolidinyl]oxy]phenyl]-4,5-dimethoxybenzenesulfonamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C19H22BrClN2O5S
Batch Molecular Weight: 505.81
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at RT

2. ANALYTICAL DATA

TLC: R_f = 0.29 (Chloroform:Methanol [9:1])
HPLC: Shows 99.3% purity
^1^H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th></th>
<th>Theoretical</th>
<th>Found</th>
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</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>45.12</td>
<td>45.18</td>
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<tr>
<td>Hydrogen</td>
<td>4.38</td>
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</tr>
<tr>
<td>Nitrogen</td>
<td>5.54</td>
<td>5.61</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
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Description:
Selective urotensin-II (UT) receptor antagonist (K values are 61, 17, 30, 65 and 56 nM at human, monkey, cat, rat and mouse receptors respectively). Inhibits U-II-induced intracellular Ca\(^{2+}\) mobilization (IC\(_{50}\) = 180 nM) and antagonizes the contractile action of U-II in isolated mammalian arteries and aortae (EC\(_{50}\) = 50 - 189 nM).

Physical and Chemical Properties:
Batch Molecular Formula: C\(_{19}\)H\(_{22}\)BrClN\(_2\)O\(_5\)S
Batch Molecular Weight: 505.81  
Physical Appearance: White solid

Minimum Purity: >98%

Storage: Store at RT

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.

References: