1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{37}H_{38}BrF_3N_4O$

Batch Molecular Weight: 691.62

Physical Appearance: Off White solid

Solubility: DMSO to 50 mM

Storage: Store at +4°C

2. ANALYTICAL DATA

TLC: $R_f = 0.25$ (Chloroform:Methanol [9:1])

HPLC: Shows 98.7% purity

$^1$H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis: Carbon Hydrogen Nitrogen

<table>
<thead>
<tr>
<th>Theoretical</th>
<th>Found</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>64.25</td>
<td>64.19</td>
<td>5.54</td>
</tr>
<tr>
<td>5.54</td>
<td>5.6</td>
<td>8.05</td>
</tr>
<tr>
<td>8.1</td>
<td>8.05</td>
<td></td>
</tr>
</tbody>
</table>

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

Product Name: GSK 2193874
Catalog No.: 5106
Batch No.: 2

CAS Number: 1336960-13-4
IUPAC Name: 3-[[1,4'-Bipiperidin]-1'-ylmethyl]-7-bromo-N-(1-phenylcyclopropyl)-2-[3-(trifluoromethyl)phenyl]-4-quinolinecarboxamide

Description:
Potent and selective TRPV4 antagonist (IC<sub>50</sub> values are 2 and 40 nM for rat and human receptors, respectively); inhibits Ca<sup>2+</sup> influx through TRPV4 channels. Prevents and reverses pulmonary edema after myocardial infarction in vivo models. Selective over a panel of ~200 human receptors, channels and enzymes. Orally active.

Physical and Chemical Properties:
Batch Molecular Formula: C<sub>37</sub>H<sub>36</sub>BrF<sub>3</sub>N<sub>4</sub>O
Batch Molecular Weight: 691.62
Physical Appearance: Off White solid
Minimum Purity: >98%

Batch Molecular Structure:

Storage: Store at +4°C

Solubility & Usage Info:
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.

Licensing Information:
Sold for research purposes under agreement from GlaxoSmithKline

References: