1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{19}H_{17}NO_3\cdot HCl \cdot 1/4H_2O$
Batch Molecular Weight: 348.31
Physical Appearance: Off White solid
Solubility: DMSO to 25 mM
Storage: Store at RT

2. ANALYTICAL DATA

HPLC: Shows 99.2% purity
$^1$H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th>Component</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>65.52</td>
<td>65.87</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>5.35</td>
<td>5.14</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>4.02</td>
<td>4.03</td>
</tr>
</tbody>
</table>

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

Product Name: LY 294002 hydrochloride
Catalog No.: 1130
Batch No.: 5

Description:
LY 294002 hydrochloride is a prototypical PI 3-kinase inhibitor (IC₅₀ values are 0.31, 0.73, 1.06 and 6.60 μM for PI 3-Kβ, PI 3-Kα, PI 3-Kδ and PI 3-Kγ respectively). Also inhibits other kinases including, CK2, mTOR, PLK1, PIM1 and PIM3. Inhibits proliferation and induces apoptosis in human colon cancer cells in vitro and in vivo. Suppresses proliferation of mESCs. Inhibits autophagic sequestration in rat hepatocytes. Negative Control also available.

Physical and Chemical Properties:
Batch Molecular Formula: C₁₉H₁₇NO₅·HCl·½H₂O
Batch Molecular Weight: 348.31
Physical Appearance: Off White solid
Minimum Purity: ≥99%

Storage: Store at RT

Solubility & Usage Info:
DMSO to 25 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: