1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** C_{14}H_{9}BrN_{6}O.H_{2}O
- **Batch Molecular Weight:** 375.18
- **Physical Appearance:** Beige solid
- **Solubility:** DMSO to 100 mM, ethanol to 10 mM
- **Storage:** Store at RT

2. ANALYTICAL DATA

- **TLC:** R_{f} = 0.5 (Dichloromethane:Acetone [4:1])
- **HPLC:** Shows >98.6% purity
- **^1H NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:**
  
<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>44.82</td>
<td>44.83</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>2.96</td>
<td>2.84</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>22.4</td>
<td>22.49</td>
</tr>
</tbody>
</table>

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

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<thead>
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<th>China</th>
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<th>Rest of World</th>
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<tbody>
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</tr>
</tbody>
</table>
**Description:**
Potent CXCR2 antagonist that inhibits CINC-1-mediated but not C5a-mediated Ca^{2+} mobilization (IC_{50} values are 3.4 and 680 nM respectively). Inhibits CINC-induced chemotaxis and attenuates neutrophil accumulation in inflammatory lung injury in vivo.

**Physical and Chemical Properties:**
- Batch Molecular Formula: C_{14}H_{9}BrN_{4}O_{2}H_{2}O
- Batch Molecular Weight: 375.18
- Physical Appearance: Beige solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**
![Molecular Structure](image)

**Storage:** Store at RT

**Solubility & Usage Info:**
- DMSO to 100 mM
- Ethanol to 10 mM

When purchased as a 1mg unit, this product is supplied as a lyophilized solid and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

**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:**