1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** $C_{22}H_{20}ClN_5O_{1.4}H_2O$

**Batch Molecular Weight:** 410.38

**Physical Appearance:** Off White solid

**Solubility:** DMSO to 100 mM ethanol to 20 mM

**Storage:** Store at +4°C

**Batch Molecular Structure:**

![Molecular Structure Image]

2. ANALYTICAL DATA

**TLC:** $R_f = 0.4$ (Dichloromethane:Methanol [95:5])

**HPLC:** Shows 99.9% purity

**Chiral HPLC:** Shows 100% purity

**$^1$H 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>64.39</td>
<td>64.63</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>5.03</td>
<td>4.94</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>17.07</td>
<td>17.02</td>
</tr>
</tbody>
</table>
Product Name: JZP 361
Catalog No.: 5851     Batch No.: 1

CAS Number: 1680193-80-9
IUPAC Name: [4-(8-Chloro-5,6-dihydro-11H-benzo[5,6]cyclohepta[1,2-b]pyridin-11-ylidene)-1-piperidinyl](1H-1,2,4-triazol-1-yl) methanone

Description:
Potent and selective reversible MAGL inhibitor (IC_{50} = 46 nM). Exhibits 35-fold and 150-fold higher selectivity over human FAAH and ABHD6, respectively (IC_{50} values are 1.79 and 7.24 μM, respectively). Displays affinity for H₁ receptors (pA₂ = 6.81). Exhibits no activity at cannabinoid receptors at 10 μM.

Physical and Chemical Properties:
Batch Molecular Formula: C_{22}H_{20}ClN_{5}O_{1.4}H_{2}O
Batch Molecular Weight: 410.38
Physical Appearance: Off White solid
Minimum Purity: >99%

Storage: Store at +4°C

Solubility & Usage Info:
DMSO to 100 mM
ethanol to 20 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: