1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** $\text{C}_{24}\text{H}_{17}\text{ClN}_{2}\text{O}_{3}$
- **Batch Molecular Weight:** 416.86
- **Physical Appearance:** Off-white solid
- **Solubility:** DMSO to 100 mM
- **Storage:** Store at +4°C

2. ANALYTICAL DATA

- **HPLC:** Shows 99.9% purity
- **$^1$H NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:**
  - **Theoretical:** Carbon 69.15, Hydrogen 4.11, Nitrogen 6.72
  - **Found:** Carbon 69, Hydrogen 4.24, Nitrogen 6.79

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

**Product Name:** CYM 50769

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>1421365-63-0</th>
</tr>
</thead>
<tbody>
<tr>
<td>IUPAC Name</td>
<td>5-Chloro-2-(9H-fluoren-9-yl)-4-(4-methoxyphenoxy)-3(2H)-pyridazinone</td>
</tr>
</tbody>
</table>

**Description:**
Novel non-peptide antagonist of neuropeptide W/B receptor 1 (NPBWR1, GPR7) (IC₅₀ = 0.12 μM).

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C₂₅H₁₇ClN₂O₃
- **Batch Molecular Weight:** 416.86
- **Physical Appearance:** Off-white solid
- **Minimum Purity:** >98%

**Storage:** Store at +4°C

**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:**