1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** \(C_{25}H_{25}N_3O_2\).

**Batch Molecular Weight:** 399.48

**Physical Appearance:** Beige solid

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

**Storage:** Store at -20°C

**Batch Molecular Structure:**

![Molecular Structure Diagram]

2. ANALYTICAL DATA

**HPLC:** Shows 99.8% purity

**\(^1H\ NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

<table>
<thead>
<tr>
<th></th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>75.16</td>
<td>75.06</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>6.31</td>
<td>6.35</td>
</tr>
<tr>
<td>Nitrogen</td>
<td>10.52</td>
<td>10.61</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: TC-G 1005
Catalog No.: 5129     Batch No.: 3

CAS Number: 1415407-60-1
IUPAC Name: (4-Cyclopropyl-3,4-dihydro-1(2H)-quinoxalinyl)[4-(2,5-dimethylphenoxy)-3-pyridinyl]methanone

**Description:**
TC-G 1005 is a potent and selective GPBA agonist (EC₅₀ values are 0.72 nM and 6.2 nM for hTGR5 and mTGR5, respectively). TC-G 1005 is selective for TGR5 over FXR (farnesoid X receptor). TC-G 1005 increases plasma GLP-1 levels and reduces blood glucose in mice. Orally bioavailable.

**Physical and Chemical Properties:**

Batch Molecular Formula: C₂₅H₂₂N₆O₂.
Batch Molecular Weight: 399.48
Physical Appearance: Beige solid

Minimum Purity: ≥98%

Batch Molecular Structure:

**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 100 mM
Ethanol 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:**
