1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** \( C_{11}H_{17}ClO_7P_2 \)
- **Batch Molecular Weight:** 358.65
- **Physical Appearance:** White solid
- **Solubility:** water to 100 mM
- **Storage:** Desiccate at RT

2. ANALYTICAL DATA

- **TLC:** \( R_f = 0.41 \) (Dichloromethane:Methanol [95:5])
- **HPLC:** Shows >99.8% 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>36.84</td>
<td>36.84</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>4.78</td>
<td>4.82</td>
</tr>
<tr>
<td>Nitrogen</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Description:
Selective PPAR\(\gamma\) antagonist; anti diabetic and antiobesity agent. Attenuates troglitazone-induced PPAR\(\gamma\) transcriptional activity (IC\(_{50}\) = 140 \(\mu\)M) without affecting ligand-stimulated PPAR\(\alpha\), PPAR\(\beta\) or FXR transcriptional activity. Inhibits PPAR\(\gamma\)-dependent adipocyte differentiation and growth in vitro and in vivo. Improves insulin sensitivity in diabetic ob/ob mice and increases HDL levels in rats in vivo.

Physical and Chemical Properties:
Batch Molecular Formula: C\(_{11}\)H\(_7\)ClO\(_7\)P\(_2\)
Batch Molecular Weight: 358.65
Physical Appearance: White solid
Minimum Purity: \(>99\%\)

Batch Molecular Structure:

\[
\begin{array}{c}
\text{Cl} \\
\bigtriangleup \\
\text{O} \quad \text{PO(OME)}_2 \\
\text{PO(OME)}_2
\end{array}
\]

Storage: Desiccate at RT

Solubility & Usage Info:
water 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: