**Product name**
Clofibric acid, PPARalpha agonist

**Description**
PPARα agonist

**Biological description**
PPARα agonist and hypolipidemic agent (EC\textsubscript{50} = 170 μM). Induces Ca\textsuperscript{2+} release from the sarcoplasmic reticulum, in the absence of Ca\textsuperscript{2+}.

**Purity**
> 99%

**CAS Number**
882-09-7

**Chemical structure**
![Chemical structure](image)

**Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chemical name</strong></td>
<td>2-(4-Chlorophenoxy)-2-methylpropanoic acid</td>
</tr>
<tr>
<td><strong>Molecular weight</strong></td>
<td>214.65</td>
</tr>
<tr>
<td><strong>Molecular formula</strong></td>
<td>C\textsubscript{10}H\textsubscript{11}ClO\textsubscript{3}</td>
</tr>
<tr>
<td><strong>Storage instructions</strong></td>
<td>Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.</td>
</tr>
<tr>
<td><strong>Solubility overview</strong></td>
<td>Soluble in 1 eq. NaOH to 100 mM</td>
</tr>
<tr>
<td><strong>Handling</strong></td>
<td>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</td>
</tr>
</tbody>
</table>

**Source**
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