5(6)-Carboxyfluorescein

Cat. No.: HY-15940
CAS No.: 72088-94-9
Molecular Formula: C_{21}H_{12}O_{7}
Molecular Weight: 376.32
Target: Others
Pathway: Others
Storage: -20°C, protect from light
* In solvent: -80°C, 6 months; -20°C, 1 month (protect from light)

**SOLVENT & SOLUBILITY**

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Concentration</th>
<th>Mass 1 mg</th>
<th>Mass 5 mg</th>
<th>Mass 10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>2.6573 mL</td>
<td>13.2866 mL</td>
<td>26.5731 mL</td>
<td></td>
</tr>
<tr>
<td>5 mM</td>
<td>0.5315 mL</td>
<td>2.6573 mL</td>
<td>5.3146 mL</td>
<td></td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2657 mL</td>
<td>1.3287 mL</td>
<td>2.6573 mL</td>
<td></td>
</tr>
</tbody>
</table>

DMSO: \( \geq 41 \text{ mg/mL} \) (108.95 mM)

* “\( \geq \)” means soluble, but saturation unknown.

Please refer to the solubility information to select the appropriate solvent.

**BIOLOGICAL ACTIVITY**

Description

5(6)-Carboxyfluorescein contains a carboxylic acid that can be used to react with primary amines via carbodiimide activation of the carboxylic acid; cell-impermeant 5,6-FAM can also be used as a nonfixable polar tracer to investigate fusion, lysis and gap-junctional communication and to detect changes in cell or liposome volume.

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**REFERENCES**