Benzophenonetetracarboxylic acid

Cat. No.: HY-100511
CAS No.: 2479-49-4
Molecular Formula: C₁₇H₁₀O₉
Molecular Weight: 358.26
Target: Phosphatase
Pathway: Metabolic Enzyme/Protease
Storage: Powder
-20°C 3 years
4°C 2 years
In solvent
-80°C 6 months
-20°C 1 month

Solvent & Solubility

In Vitro
H₂O : 7.2 mg/mL (20.10 mM; Need ultrasonic)

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Concentration</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 mg</td>
<td>5 mg</td>
</tr>
<tr>
<td>1 mM</td>
<td>2.7913 mL</td>
<td>13.9563 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.5583 mL</td>
<td>2.7913 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2791 mL</td>
<td>1.3956 mL</td>
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</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description
Benzophenonetetracarboxylic acid can improve activity and stability of alkaline phosphatases from psychrophilic and mesophilic organisms. Benzophenonetetracarboxylic acid can improve activity and stability of alkaline phosphatases from psychrophilic and mesophilic organisms by chemically modifying aliphatic or amino groups.

REFERENCES


Caution: Product has not been fully validated for medical applications. For research use only.
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