Benzenepentacarboxylic Acid

Cat. No.: HY-100512  
CAS No.: 1585-40-6  
Molecular Formula: C₁₁H₆O₁₀  
Molecular Weight: 298.16  
Target: Reactive Oxygen Species  
Pathway: Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB  
Storage: 4°C, protect from light  
* In solvent: -80°C, 6 months; -20°C, 1 month (protect from light)

SOLVENT & SOLUBILITY

In Vitro  
DMSO: ≥ 48 mg/mL (160.99 mM)  
* "≥" means soluble, but saturation unknown.

<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></td>
<td>3.3539 mL</td>
<td>16.7695 mL</td>
<td>33.5390 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td></td>
<td>0.6708 mL</td>
<td>3.539 mL</td>
<td>6.7078 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td></td>
<td>0.3354 mL</td>
<td>1.6770 mL</td>
<td>3.3539 mL</td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description: Benzenepentacarboxylic acid is a fluorescent dye that detects and scavenges HO radicals.

REFERENCES


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

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