**Benzenepentacarboxylic Acid**

**Cat. No.:** HY-100512  
**CAS No.:** 1585-40-6  
**Molecular Formula:** C₁₁H₆O₁₀  
**Molecular Weight:** 298.16  
**Target:** Others  
**Pathway:** Others  
**Storage:**  
- Powder: -20°C 3 years, 4°C 2 years  
- In solvent: -80°C 6 months, -20°C 1 month

### Solvent & Solubility

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

<table>
<thead>
<tr>
<th>Solvent</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>3.3539 mL</td>
<td>16.7695 mL</td>
<td>33.5390 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.6708 mL</td>
<td>3.3539 mL</td>
<td>6.7078 mL</td>
</tr>
<tr>
<td>10 mM</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 (BA), a novel fluorescent probe to detect and scavenge HO-. A specific and reproducible fluorescent probe of HO- developed is utilized to prove and detect the generation of HO- in H₂O₂/TAED and H₂O₂/TBCC alkali systems.

### References


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

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