α-Truxillic acid

Cat. No.: HY-114771
CAS No.: 490-20-0
Molecular Formula: C₁₈H₁₆O₄
Molecular Weight: 296.32
Target: Others
Pathway: Others
Storage: Please store the product under the recommended conditions in the COA.

SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (843.68 mM; Need ultrasonic)

<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>3.3747 mL</td>
<td>16.8736 mL</td>
<td>33.7473 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td></td>
<td>0.6749 mL</td>
<td>3.3747 mL</td>
<td>6.7495 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td></td>
<td>0.3375 mL</td>
<td>1.6874 mL</td>
<td>3.3747 mL</td>
</tr>
</tbody>
</table>

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.08 mg/mL (7.02 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.08 mg/mL (7.02 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (7.02 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
α-Truxillic acid is form by the dimerization of two molecules of α-trans-cinnamic acid, with anti-inflammatory activities[1].

REFERENCES

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

Tel: 609-228-6898               Fax: 609-228-5909               E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA