Geniposidic acid

**Cat. No.:** HY-N0010

**CAS No.:** 27741-01-1

**Molecular Formula:** C₁₆H₂₂O₁₀

**Molecular Weight:** 374.34

**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**

10 mM in DMSO

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>2.6714 mL</td>
<td>13.3568 mL</td>
<td>26.7137 mL</td>
<td></td>
</tr>
<tr>
<td>5 mM</td>
<td>0.5343 mL</td>
<td>2.6714 mL</td>
<td>5.3427 mL</td>
<td></td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2671 mL</td>
<td>1.3357 mL</td>
<td>2.6714 mL</td>
<td></td>
</tr>
</tbody>
</table>

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

### BIOLOGICAL ACTIVITY

**Description**

Geniposidic acid is an effective anticancer and radioprotection agent. Target: Others

Mice were given an intraperitoneal injection of Geniposidic acid (GA) (12.5, 25, 50 mg/kg) 1 h before receiving GA against d-galactosamine (GalN) (800 mg/kg)/LPS (40 μg/kg). Liver and blood samples were collected 1 and 8 h after GalN/LPS injection. The survival rate of the GA group was significantly higher than the control. GalN/LPS increased serum aminotransferase activity, serum tumor necrosis factor-α level and hepatic lipid peroxidation and decreased hepatic glutathione content [1]. GA enhanced significantly the postirradiation responses of splenic blastogenesis by PHA. In addition, GA is a potent tumor growth inhibitor when combined with the X-irradiation, though there was no significant synergetic effect on their combined antitumor activity. The preliminary results of GA on hematological and blastogenic observations in this study suggested that it may very well, partially, play a role in an effective anticancer product with the ability to decrease undesirable radiation damage to the hematologic tissue after high dose irradiation [2].

### REFERENCES

www.MedChemExpress.com


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