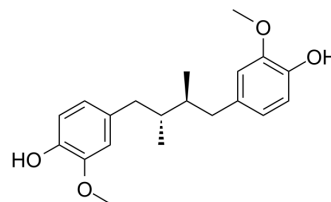


## meso-Dihydroguaiaretic acid

|                    |  |
|--------------------|--|
| Cat. No.:          | HY-N6087   |
| CAS No.:           | 66322-34-7   |
| Molecular Formula: | C <sub>20</sub> H <sub>26</sub> O <sub>4</sub>   |
| Molecular Weight:  | 330.42   |
| Target:            | Others   |
| Pathway:           | Others   |
| Storage:           | 4°C, protect from light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



### SOLVENT & SOLUBILITY

|   |  |                          |      |       |           |            |            |
|---|--|--------------------------|------|-------|-----------|------------|------------|
| In Vitro  | DMSO : 50 mg/mL (151.32 mM; Need ultrasonic)   |                          |      |       |           |            |            |
|   | Preparing Stock Solutions  | Solvent<br>Concentration | Mass | 1 mg  | 5 mg      | 10 mg      |            |
|   |  |                          |      | 1 mM  | 3.0265 mL | 15.1323 mL | 30.2645 mL |
|   |  |                          |      | 5 mM  | 0.6053 mL | 3.0265 mL  | 6.0529 mL  |
|   |  |                          |      | 10 mM | 0.3026 mL | 1.5132 mL  | 3.0265 mL  |
| 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<br>Solubility: ≥ 2.5 mg/mL (7.57 mM); Clear solution |                          |      |       |           |            |            |
|   | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)<br>Solubility: ≥ 2.5 mg/mL (7.57 mM); Clear solution            |                          |      |       |           |            |            |
|   | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil<br>Solubility: ≥ 2.5 mg/mL (7.57 mM); Clear solution                            |                          |      |       |           |            |            |

### BIOLOGICAL ACTIVITY

|             |  |
|-------------|--|
| Description | Dihydroguaiaretic acid, is isolated from the fruits of Saururus chinensis with an anti-cancer activity <sup>[1]</sup> .  |
| In Vitro    | Dihydroguaiaretic acid shows inhibitory effect on Human ovarian cancer cells and A2780 Human endometrial cancer cells Ishikawa with IC <sub>50</sub> values of 27.17 μM and 45.46 μM, respectively <sup>[1]</sup> .<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

### 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](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA