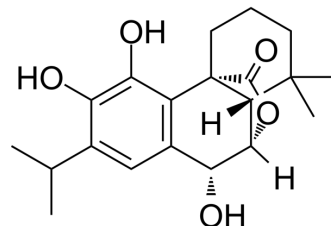


Epirosmanol

| | |
|---------------------------|--|
| Cat. No.: | HY-111898 |
| CAS No.: | 93380-12-2 |
| Molecular Formula: | C ₂₀ H ₂₆ O ₅ |
| Molecular Weight: | 346.42 |
| Target: | Others |
| Pathway: | Others |
| Storage: | 4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



SOLVENT & SOLUBILITY

| | | | | | |
|---|---|--------------------------|-----------|------------|------------|
| In Vitro | DMSO : 100 mg/mL (288.67 mM; Need ultrasonic) | | | | |
| | | Solvent Concentration | Mass | | |
| | Preparing Stock Solutions | | 1 mg | 5 mg | 10 mg |
| | | 1 mM | 2.8867 mL | 14.4333 mL | 28.8667 mL |
| | | 5 mM | 0.5773 mL | 2.8867 mL | 5.7733 mL |
| | 10 mM | 0.2887 mL | 1.4433 mL | 2.8867 mL | |
| Please refer to the solubility information to select the appropriate solvent. | | | | | |
| In Vivo | 1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.22 mM); Clear solution | | | | |

BIOLOGICAL ACTIVITY

| | |
|--------------------|--|
| Description | Epirosmanol is a nature diterpene lactone from <i>S. officinalis</i> . Epirosmanol shows anti-cancer activity and inhibits melanin biosynthesis against melanoma cells. Epirosmanol also exhibits DPPH radical scavenging activity ^{[1][2]} . |
|--------------------|--|

REFERENCES

- [1]. Sallam A, et al. Acetylcholine esterase inhibitors and melanin synthesis inhibitors from *Salvia officinalis*. *Phytomedicine*. 2016 Sep 15. 23(10):1005-11.
- [2]. Miura K, et al. Antioxidant activity of chemical components from sage (*Salvia officinalis* L.) and thyme (*Thymus vulgaris* L.) measured by the oil stability index method. *J Agric Food Chem*. 2002 Mar 27;50(7):1845-51.

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

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