Kirenol

Cat. No.: HY-N0559

CAS No.: 52659-56-0

Molecular Formula: $C_{20}H_{34}O_4$

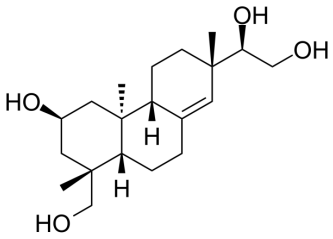
Molecular Weight: 338.48

Target: Others

Pathway: Others

Storage: -20°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 (295.44 mM; Need ultrasonic)

H_2O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.9544 mL	14.7719 mL	29.5438 mL
	5 mM	0.5909 mL	2.9544 mL	5.9088 mL
	10 mM	0.2954 mL	1.4772 mL	2.9544 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
   Solubility: ≥ 3.25 mg/mL (9.60 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 3.25 mg/mL (9.60 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 3.25 mg/mL (9.60 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Kirenol is isolated from Siegesbeckia orientalis with anti-inflammatory and analgesic activity[1].

REFERENCES

[1]. Jian-ping Wang, et al. Topical anti-inflammatory and analgesic activity of kirenol isolated from Siegesbeckia orientalis, Journal of Ethnopharmacology, Volume 137, Issue 3, 2011, Pages 1089-1094, ISSN 0378-8741.

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

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