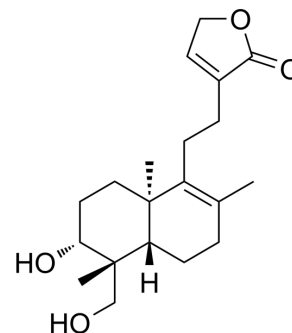


Deoxyandrographolide

Cat. No.:	HY-N0857
CAS No.:	79233-15-1
Molecular Formula:	C ₂₀ H ₃₀ O ₄
Molecular Weight:	334.45
Target:	Interleukin Related
Pathway:	Immunology/Inflammation
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 (299.00 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.9900 mL	14.9499 mL	29.8998 mL
	5 mM	0.5980 mL	2.9900 mL	5.9800 mL
	10 mM	0.2990 mL	1.4950 mL	2.9900 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (7.47 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (7.47 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (7.47 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Deoxyandrographolide suppresses LPS induced increase in mRNA levels of iNOS as well as production of proinflammatory mediators TNF-α and IL-6. Deoxyandrographolide potentiates NGF-induced neurite outgrowth^[1].

REFERENCES

- [1]. Xu Y, et al. Synthesis of andrographolide analogues and their neuroprotection and neurite outgrowth-promoting activities. *Bioorg Med Chem.* 2019;27(11):2209-2219.

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

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