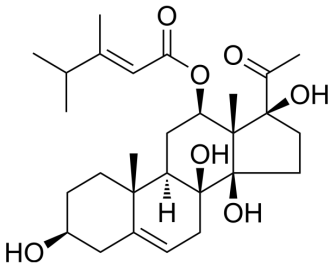
Caudatin

Cat. No.:	HY-N1983
CAS No.:	38395-02-7
Molecular Formula:	$C_{28}H_{42}O_7$
Molecular Weight:	490.63
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (101.91 mM; Need ultrasonic)

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.0382 mL	10.1910 mL	20.3820 mL
5 mM	0.4076 mL	2.0382 mL	4.0764 mL
10 mM	0.2038 mL	1.0191 mL	2.0382 mL

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

Preparing Stock Solutions

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 5 mg/mL (10.19 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 5 mg/mL (10.19 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 5 mg/mL (10.19 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Caudatin is a steroidal cmpound found in Cynanchum auriculatum, causes cell cycle arrest and induces apoptosis, with anti-cancer and antiangiogenic properties[1].

REFERENCES

[1]. Wang X, et al. Antiangiogenic properties of caudatin in vitro and in vivo by suppression of VEGF/VEGFR2/AKT/FAK signal axis. Mol Med Rep. 2017 Dec;16(6):8937-8943.