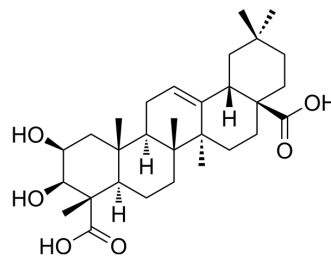


Medicagenic acid

Cat. No.:	HY-N2472
CAS No.:	599-07-5
Molecular Formula:	C ₃₀ H ₄₆ O ₆
Molecular Weight:	502.68
Target:	Bacterial
Pathway:	Anti-infection
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 (198.93 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.9893 mL	9.9467 mL	19.8934 mL
				5 mM	0.3979 mL	1.9893 mL	3.9787 mL
				10 mM	0.1989 mL	0.9947 mL	1.9893 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: 2.5 mg/mL (4.97 mM); Suspended solution; Need ultrasonic						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.97 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.97 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Medicagenic acid (Castanogenin) is isolated from the roots of <i>Herniaria glabra</i> , exhibits potent fungistatic effects against several plant pathogens and human dermatophytes ^[1] . Medicagenic acid (Castanogenin) has low enzyme inhibitory activities, the target enzymes are xanthine oxidase, collagenase, elastase, tyrosinase, ChE ^[2] .
-------------	---

REFERENCES

[1]. Zehavi U, et al. Saponins as antimycotic agents: glycosides of medicagenic acid. *Adv Exp Med Biol.* 1996;404:535-46.

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

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