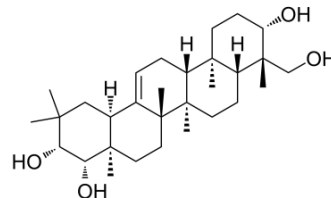


Soyasapogenol A

Cat. No.:	HY-N6073
CAS No.:	508-01-0
Molecular Formula:	C ₃₀ H ₅₀ O ₄
Molecular Weight:	474.72
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 : 100 mg/mL (210.65 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.1065 mL	10.5325 mL	21.0650 mL	
		5 mM	0.4213 mL	2.1065 mL	4.2130 mL	
		10 mM	0.2107 mL	1.0533 mL	2.1065 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 (5.27 mM); Suspended solution; Need ultrasonic					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.27 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Soyasapogenol A, a triterpene compound, isolated from the roots of <i>Abrus cantoniensis</i> . Soyasapogenol A directly prevents apoptosis of hepatocytes, and secondly, inhibits the elevation of plasma TNF- α , which consequently results in the prevention of liver damage in the Concanavalin A-induced hepatitis model ^{[1][2]} .
-------------	--

REFERENCES

[1]. Chiang TC, et al. Isolation and structural elucidation of some sapogenols from *Abrus cantoniensis*. *Planta Med.* 1982 Sep;46(1):52-5.

[2]. Kuzuhara H, et al. Protective effects of soyasapogenol A on liver injury mediated by immune response in a concanavalin A-induced hepatitis model. *Eur J Pharmacol.* 2000 Mar 10;391(1-2):175-81.

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