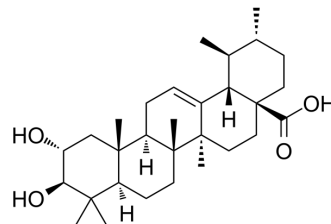


Corosolic acid

Cat. No.:	HY-N0280		
CAS No.:	4547-24-4		
Molecular Formula:	C ₃₀ H ₄₈ O ₄		
Molecular Weight:	472.7		
Target:	Autophagy		
Pathway:	Autophagy		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 50 mg/mL (105.78 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		2.1155 mL	10.5775 mL	21.1551 mL
	5 mM		0.4231 mL	2.1155 mL	4.2310 mL
	10 mM		0.2116 mL	1.0578 mL	2.1155 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: ≥ 2.75 mg/mL (5.82 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Corosolic acid (Colosolic acid) isolated from the fruit of *Crataegus pinnatifida* var. *psilosa*, was reported to have anticancer activity.

REFERENCES

- [1]. Ahn KS, et al. Corosolic acid isolated from the fruit of *Crataegus pinnatifida* var. *psilosa* is a protein kinase C inhibitor as well as a cytotoxic agent. *Planta Med.* 1998 Jun;64(5):468-70.
- [2]. Li Biao, et al. Mechanism of antitumor action of corosolic acid. *China Journal of Modern Medicine*, 2015-08

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

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444

Email: customerservice@lifetechindia.com Website: www.lifetechindia.com