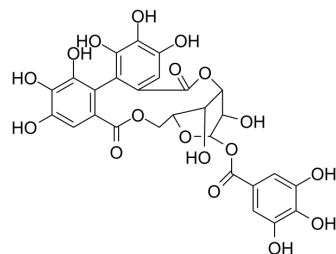


Corilagin

Cat. No.:	HY-N0462	
CAS No.:	23094-69-1	
Molecular Formula:	C ₂₇ H ₂₂ O ₁₈	
Molecular Weight:	634.45	
Target:	Reverse Transcriptase; Bacterial	
Pathway:	Anti-infection	
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 : 100 mg/mL (157.62 mM; Need ultrasonic)
 H₂O : 5 mg/mL (7.88 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.5762 mL	7.8808 mL	15.7617 mL
	5 mM	0.3152 mL	1.5762 mL	3.1523 mL
	10 mM	0.1576 mL	0.7881 mL	1.5762 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: ≥ 2.08 mg/mL (3.28 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (3.28 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (3.28 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Corilagin, a gallotannin, inhibits activity of reverse transcriptase of RNA tumor viruses. Corilagin inhibits the growth of *Staphylococcus aureus* with a MIC of 25 µg/mL. Corilagin shows good anti-tumor activity on hepatocellular carcinoma and ovarian cancer. Corilagin shows a low level of toxicity toward normal cells and tissues^[1].

CUSTOMER VALIDATION

-
- Front Immunol. 2022 Jan 13;12:807509.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Li X, et al. Corilagin, a promising medicinal herbal agent. Biomed Pharmacother. 2018 Mar;99:43-50.

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