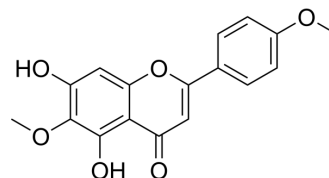


Pectolarigenin

Cat. No.:	HY-N0493
CAS No.:	520-12-7
Molecular Formula:	C ₁₇ H ₁₄ O ₆
Molecular Weight:	314.29
Target:	COX; Lipoxygenase
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 33.33 mg/mL (106.05 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.1818 mL	15.9089 mL	31.8177 mL
		5 mM	0.6364 mL	3.1818 mL	6.3635 mL
	10 mM	0.3182 mL	1.5909 mL	3.1818 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 2% DMSO >> 98% (20% SBE-β-CD in saline) Solubility: ≥ 1 mg/mL (3.18 mM); Clear solution				
	2. Add each solvent one by one: 50% PEG300 >> 50% saline Solubility: 1 mg/mL (3.18 mM); Suspended solution; Need ultrasonic and warming and heat to 60°C				

BIOLOGICAL ACTIVITY

Description	Pectolarigenin is a dual inhibitor of COX-2/5-LOX. Anti-inflammatory activity ^[1] . Pectolarigenin has potent inhibitory activities on melanogenesis ^[2] .	
IC ₅₀ & Target	COX-2	5-LOX

CUSTOMER VALIDATION

- Chem Biol Interact. 2023 Oct 11:110763.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Lim H, et al. Anti-inflammatory activity of pectolinarigenin and pectolinarin isolated from *Cirsium chanroenicum*. *Biol Pharm Bull.* 2008 Nov;31(11):2063-7.
- [2]. Lee S, et al. Pectolinarigenin, an aglycone of pectolinarin, has more potent inhibitory activities on melanogenesis than pectolinarin. *Biochem Biophys Res Commun.* 2017 Nov 4;493(1):765-772.
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Caution: Product has not been fully validated for medical applications. For research use only.

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