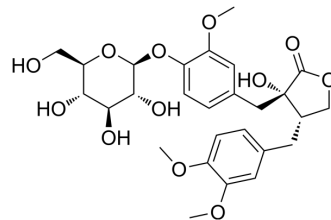


Tracheloside

Cat. No.:	HY-N1507
CAS No.:	33464-71-0
Molecular Formula:	C ₂₇ H ₃₄ O ₁₂
Molecular Weight:	550.55
Target:	Estrogen Receptor/ERR
Pathway:	Vitamin D Related/Nuclear Receptor
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 (181.64 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.8164 mL	9.0818 mL	18.1637 mL
				5 mM	0.3633 mL	1.8164 mL	3.6327 mL
				10 mM	0.1816 mL	0.9082 mL	1.8164 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 (4.54 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.54 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.54 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Tracheloside is an antiestrogenic lignin. Tracheloside promotes keratinocyte proliferation through ERK1/2 stimulation. Tracheloside is a good candidate to promote wound healing ^[1] .
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REFERENCES

[1]. Kim J, et al. Promotion of Keratinocyte Proliferation by Tracheloside through ERK1/2 Stimulation. Evid Based Complement Alternat Med. 2018 Jul 26;2018:4580627.

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