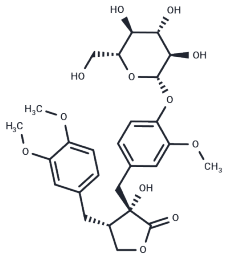
Data Sheet (Cat.No.T3855)

TargetMol

Tracheloside

Chemical Properties



CAS No. : 33464-71-0

Formula: C27H34O12

Molecular Weight: 550.55

Appearance: no data available

Storage: keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Tracheloside significantly decreases the activity of alkaline phosphatase (IC50: 0.31 μg/ml), a level of inhibition comparable to that of tamoxifen (IC50: 0.43 μg/ml).
Targets(IC50)	Estrogen Receptor/ERR,Phosphorylase

Solubility Information

Solubility	DMSO: 30 mg/mL (54.49 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0363 mL	0.1816 mL	0.3633 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Kitamura Y,et al. Lack of significant inhibitory effects of a plant lignan tracheloside on 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP)-induced mammary carcinogenesis in female Sprague-Dawley rats. Cancer Lett. 2003 Oct 28;200(2):133-9.

Yoo HH1,et al. An anti-estrogenic lignan glycoside, tracheloside, from seeds of Carthamus tinctorius. Biosci Biotechnol Biochem. 2006 Nov;70(11):2783-5.

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481