

Junipediol A

Chemical Properties

CAS No.:	86548-91-6
Formula:	C ₁₀ H ₁₄ O ₄
Molecular Weight:	198.22
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Junipediol A shows antioxidation activity.
Targets(IC ₅₀)	Others: None
In vitro	To study the chemical constituents from <i>Cephalotaxus hainanensis</i> Li.METHODS AND RESULTS: The compounds were isolated and purified by column chromatography,and their structures were identified by physicochemical and spectral data.Their antioxidation activity were tested by DPPH method. Three compounds were isolated from the ethanol extract of <i>Cephalotaxus hainanensis</i> Li.,and their structures were elucidated as Junipediol A(1),Junipediol A 8-O-β-D-glucopyranoside(2),and junipediol B(3).CONCLUSIONS: Compounds 1-3 were isolated from the genus of <i>Cephalotaxus</i> for the first time,and all showed antioxidation activity.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.045 mL	25.224 mL	50.449 mL
5 mM	1.009 mL	5.045 mL	10.090 mL
10 mM	0.504 mL	2.522 mL	5.045 mL
50 mM	0.101 mL	0.504 mL	1.009 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Antioxidant phenylpropanoids from *Cephalotaxus hainanensis*. Chinese Journal of Medicinal Chemistry, 2008,18 (3) :215-8.

Inhibitors · Natural Compounds · Compound Libraries

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