

Arnicolide C

Chemical Properties

CAS No.:	34532-67-7
Formula:	C ₁₉ H ₂₆ O ₅
Molecular Weight:	334.41
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Arnicolide C exhibits significant antiallergy activity.
Targets(IC ₅₀)	others: None
In vitro	One of the sesquiterpenes, 6-O-senesioplplenolin (2), is a new pseudoguaianolide sesquiterpene lactone, which was isolated along with known pseudoguaianolide, Arnicolide C (1). The two sesquiterpenes exhibited significant antiallergy activity in passive cutaneous anaphylaxis (PCA) tests. An amide isolated along with the sesquiterpenes was identified as aurantiamide acetate (3).

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	2.99 mL	14.952 mL	29.903 mL
5 mM	0.598 mL	2.99 mL	5.981 mL
10 mM	0.299 mL	1.495 mL	2.99 mL
50 mM	0.06 mL	0.299 mL	0.598 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. Biologically active constituents of *Centipeda minima*: Isolation of a new plenolin ester and the antiallergy activity of sesquiterpene lactones Chemical & Pharmaceutical Bulletin, 1985, 33(9):4091.

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