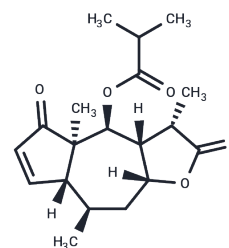


## Arnicolide C

## Chemical Properties

CAS No. :	34532-67-7
Formula:	C <sub>19</sub> H <sub>26</sub> O <sub>5</sub>
Molecular Weight:	334.41
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Arnicolide C (Isobutyroylplenolin) is a sesquiterpene lactone metabolite naturally found in <i>Centipeda minima</i> and <i>Arnica montana</i> . Arnicolide C is reported to possess diverse biological activities, including anti-inflammatory, antiallergy, antitumor, anticancer, and antiprotozoal properties, making it a multifunctional natural product.
Targets(IC50)	Others
In vitro	One of the sesquiterpenes, 6-O-senesioylplenolin (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	DMSO: 80 mg/mL (239.23 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9903 mL	14.9517 mL	29.9034 mL
5 mM	0.5981 mL	2.9903 mL	5.9807 mL
10 mM	0.299 mL	1.4952 mL	2.9903 mL
50 mM	0.0598 mL	0.299 mL	0.5981 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Chan CO, et al. Qualitative and quantitative analysis of sesquiterpene lactones in *Centipeda minima* by UPLC-Orbitrap-MS & UPLC-QQQ-MS. *J Pharm Biomed Anal.* 2019 May 30;174:360-366.

Liu R, et al. Arnicolide D, from the herb *Centipeda minima*, Is a Therapeutic Candidate against Nasopharyngeal Carcinoma. *Molecules.* 2019 May 17;24(10).

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481