

Arnicolide D

Chemical Properties

CAS No.:	34532-68-8
Formula:	C ₁₉ H ₂₄ O ₅
Molecular Weight:	332.39
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Arnicolide D exerts strong cytotoxic activity on the human colon carcinoma HT-29 cell line.
Targets(IC ₅₀)	others: None
In vitro	In this study, we found that two sesquiterpene lactones, isobutyroylplenolin and Arnicolide D, from <i>Centipeda minima</i> L. (Compositae) exerted stronger cytotoxic activity than cisplatin on the human colon carcinoma HT-29 cell line. Furthermore, the cytotoxicity of these two compounds on normal cells was weaker than that of cisplatin.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.009 mL	15.043 mL	30.085 mL
5 mM	0.602 mL	3.009 mL	6.017 mL
10 mM	0.301 mL	1.504 mL	3.009 mL
50 mM	0.06 mL	0.301 mL	0.602 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. Cytotoxic activity of two natural sesquiterpene lactones, isobutyroylplenolin and arnicolide D, on human colon cancer cell line HT-29. *Nat Prod Res.* 2014;28(12):914-6.

Inhibitors · Natural Compounds · Compound Libraries

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:36 Washington Street,Wellesley Hills,MA 02481