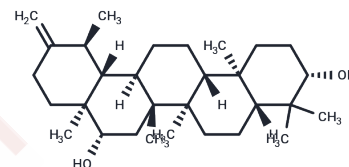


Arnidiol

Chemical Properties

CAS No. :	6750-30-7
Formula:	C ₃₀ H ₅₀ O ₂
Molecular Weight:	442.72
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Arnidiol, a pentacyclic triterpene isolated from <i>Barleria Longiflora</i> Linn, exhibits anti-inflammatory activity, notably inhibiting 12-O-tetradecanoylphorbol-13-acetate (TPA)-induced inflammation in mice.
Targets(IC50)	Immunology/Inflammation related
In vitro	Fifteen pentacyclic triterpene diols and triols, consisting of six taraxastanes, faradiol (1), heliantriol B0 (2), heliantriol C (3), 22alpha-methoxyfaradiol (4), Arnidiol (5), and faradiol alpha-epoxide (6); five oleananes, maniladiol (7), erythrodiol (8), longispinogenin (9), coflodiol (10), and heliantriol A(1) (11); two ursanes, brein (12) and uvaol (13); and two lupanes, calenduladiol (14) and heliantriol B2 (15), isolated from the non-saponifiable lipid fraction of the edible flower extract of chrysanthemum (<i>Chrysanthemum morifolium</i>) were evaluated for their inhibitory effects on Epstein-Barr virus early antigen (EBV-EA) activation induced by the tumor promoter, 12-O-tetradecanoylphorbol-13-acetate, in Raji cells as a primary screening test for anti-tumor-promoters.

Solubility Information

Solubility	DMSO: 6 mg/mL (13.55 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2588 mL	11.2938 mL	22.5876 mL
5 mM	0.4518 mL	2.2588 mL	4.5175 mL
10 mM	0.2259 mL	1.1294 mL	2.2588 mL
50 mM	0.0452 mL	0.2259 mL	0.4518 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

Constituents of Compositae plants III. Anti-tumor promoting effects and cytotoxic activity against human cancer cell lines of triterpene diols and triols from edible chrysanthemum flowers. *Cancer Lett.*, 2002, 177(1):7-12.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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