

Alpha-Amyrone

Chemical Properties

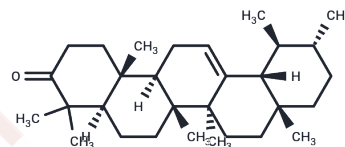
CAS No. : 638-96-0

Formula: C₃₀H₄₈O

Molecular Weight: 424.7

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	Alpha-Amyrone (Alfa-Amyrenone) is a natural product found in aerial parts of Inula candida (L.) Cass. subsp. Alpha-Amyrone is an antineoplastic agent.
Targets(IC50)	Others, glycosidase
In vitro	Alpha-Amyrone inhibited BEL-7404 cells with IC50 values of 1.48 μM[1].

Solubility Information

Solubility	DMSO: 3 mg/mL (7.06 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	2.3546 mL	11.773 mL	23.546 mL
5 mM	0.4709 mL	2.3546 mL	4.7092 mL
10 mM	0.2355 mL	1.1773 mL	2.3546 mL
50 mM	0.0471 mL	0.2355 mL	0.4709 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

- Michalakea, Eleftheria; Graikou, Konstantia; Aligiannis, Nektarios; Panoutsopoulos, George; Kalpoutzakis, Eleftherios; Roussakis, Christos; Chinou, Ioanna[Phytochemistry Letters, 2019, vol. 31, p. 155 - 160]
Shen, Shuo; Li, Wei; Ouyang, Ming-an; Wang, Jian[Natural Product Research, 2018, vol. 32, # 6, p. 654 - 661]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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