

Falcarinol

Chemical Properties

CAS No. : 21852-80-2

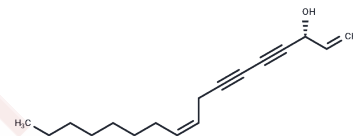
Formula: C₁₇H₂₄O

Molecular Weight: 244.37

Storage: Store at low temperature, Keep away from direct sunlight

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	Falcarinol (Panaxynol) is an Hsp90 inhibitor and CB1 receptor antagonist that inhibits the action of amphetamine on TNF- α -stimulated keratinocytes.
Targets(IC50)	Apoptosis, Cannabinoid Receptor, HSP
In vitro	At nanomolar concentrations, Panaxynol inhibits the sphere-forming ability of NSCLC CSCs, while at micromolar concentrations, Panaxynol inhibits the viability of NSCLC cells (non-CSCs) and their sublines with acquired chemoresistance, with minimal effects on normal cells from various organs[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0922 mL	20.4608 mL	40.9216 mL
5 mM	0.8184 mL	4.0922 mL	8.1843 mL
10 mM	0.4092 mL	2.0461 mL	4.0922 mL
50 mM	0.0818 mL	0.4092 mL	0.8184 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

Le HT, et al. Panaxynol, a natural Hsp90 inhibitor, effectively targets both lung cancer stem and non-stem cells. Cancer Lett. 2018 Jan 1;412:297-307.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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