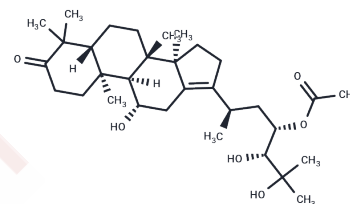


Alisol A 23-acetate

Chemical Properties

CAS No. :	19865-75-9
Formula:	C ₃₂ H ₅₂ O ₆
Molecular Weight:	532.762
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	Alisol A 23-acetate may possess therapeutic effects through their modulation of AR, PR, and GR pathways.
In vitro	METHODS AND RESULTS: Two triterpenes, alisol M 23-acetate and Alisol A 23-acetate from <i>Alisma orientalis</i> were determined whether they may act as androgen receptor (AR), progesterone receptor (PR), or glucocorticoid receptor (GR) modulators. Indeed, in the transient transfection reporter assays, alisol M 23-acetate and Alisol A 23-acetate transactivated AR in dose-dependent manner, while they transrepressed the transactivation effects exerted by agonist-activated PR and GR. Through molecular modeling docking studies, they were shown to respectively interact with AR, PR, or GR ligand binding pocket fairly well. CONCLUSIONS: All these results indicate that alisol M 23-acetate and Alisol A 23-acetate from <i>Alisma orientalis</i> might possess therapeutic effects through their modulation of AR, PR, and GR pathways.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.877 mL	9.3851 mL	18.7702 mL
5 mM	0.3754 mL	1.877 mL	3.754 mL
10 mM	0.1877 mL	0.9385 mL	1.877 mL
50 mM	0.0375 mL	0.1877 mL	0.3754 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

Triterpenes from *Alisma orientalis* act as androgen receptor agonists, progesterone receptor antagonists, and glucocorticoid receptor antagonists. *Bioorg Med Chem Lett.* 2014 Aug 1;24(15):3626-32.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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