

Alisol B 23-acetate

Chemical Properties

CAS No. : 26575-95-1

Formula: C₃₂H₅₀O₅

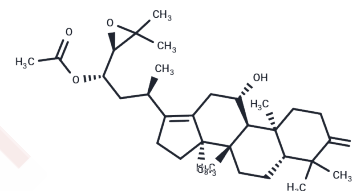
Molecular Weight: 514.74

Storage:

Keep away from moisture, Keep away from direct sunlight, Store at low temperature

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	1. Alisol B 23-acetate (Alisol B Acetate) produces protective effect against ANIT-induced hepatotoxicity and cholestasis, due to FXR-mediated regulation of transporters and enzymes. 2. Alisol B 23-acetate produces promotive effect on liver regeneration, due to FXR-mediated regulation of genes involved in hepatocyte proliferation and hepatoprotection. 3. Alisol B 23-acetate produces a protective effect against CCl ₄ -induced hepatotoxicity, due to FXR and STAT3-mediated gene regulation.
Targets(IC50)	Apoptosis, MMP, Others, FXR, Syk, CDK, PARP, ROS

Solubility Information

Solubility	DMSO: 125 mg/mL (242.84 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.89 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9427 mL	9.7136 mL	19.4273 mL
5 mM	0.3885 mL	1.9427 mL	3.8855 mL
10 mM	0.1943 mL	0.9714 mL	1.9427 mL
50 mM	0.0389 mL	0.1943 mL	0.3885 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

Wang C , Zhang J X , Shen X L , et al. Reversal of P-glycoprotein-mediated multidrug resistance by Alisol B 23-acetate[J]. Biochemical Pharmacology, 2004, 68(5):843-855.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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:34 Washington Street,Wellesley Hills,MA 02481