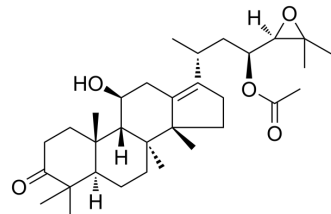


Alisol B 23-acetate

Cat. No.:	HY-N0805		
CAS No.:	26575-95-1		
Molecular Formula:	C ₃₂ H ₅₀ O ₅		
Molecular Weight:	514.74		
Target:	Apoptosis		
Pathway:	Apoptosis		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (97.14 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (4.86 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (4.86 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (4.86 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Alisol B 23-acetate (23-Acetylalismol B) is a triterpenoid that promotes regeneration of damaged liver through activation of farnesoid receptors.

CUSTOMER VALIDATION

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- J Integr Med. 2024 Jan 24.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Meng Q, et al. Protective effects of alisol B 23-acetate from edible botanical *Rhizoma alismatis* against carbon tetrachloride-induced hepatotoxicity in mice. *Food Funct.* 2015 Apr 8;6(4):1241-50.
- [2]. Meng Q, et al. Alisol B 23-acetate protects against ANIT-induced hepatotoxicity and cholestasis, due to FXR-mediated regulation of transporters and enzymes involved in bile acid homeostasis. *Toxicol Appl Pharmacol.* 2015 Mar 15;283(3):178-86.
- [3]. Meng Q, et al. Alisol B 23-acetate promotes liver regeneration in mice after partial hepatectomy via activating farnesoid X receptor. *Biochem Pharmacol.* 2014 Nov 15;92(2):289-98.
- [4]. Meng Q, et al. Protective Effects of Alisol B 23-Acetate Via Farnesoid X Receptor-Mediated Regulation of Transporters and Enzymes in Estrogen-Induced Cholestatic Liver Injury in Mice. *Pharm Res.* 2015 Jun 4.
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Caution: Product has not been fully validated for medical applications. For research use only.

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