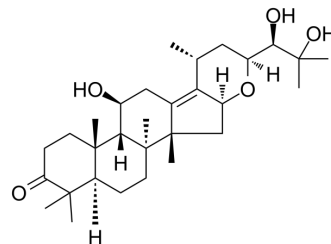


Alisol F

Cat. No.:	HY-N0854		
CAS No.:	155521-45-2		
Molecular Formula:	C ₃₀ H ₄₈ O ₅		
Molecular Weight:	488.7		
Target:	HBV		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (204.62 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg			5 mg			10 mg		
			Concentration			Concentration			Concentration		
Preparing Stock Solutions	1 mM		2.0462 mL			10.2312 mL			20.4625 mL		
	5 mM		0.4092 mL			2.0462 mL			4.0925 mL		
	10 mM		0.2046 mL			1.0231 mL			2.0462 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 (5.12 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (5.12 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (5.12 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Alisol F is a triterpene isolated from *Alisma orientale*, has immunosuppressive and anti-virus functions. Alisol F exhibits inhibitory activity in vitro on hepatitis B virus (HBV) surface antigen (HBsAg) secretion of the HepG2.2.15 cell line with an IC₅₀ of 0.6 μM^[1].

REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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