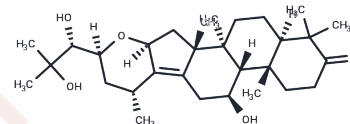


## Alisol F

## Chemical Properties

CAS No. :	155521-45-2
Formula:	C30H48O5
Molecular Weight:	488.7
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 F is a natural product from <i>Alisma plantago-aquatica</i> Linn and has many activities.
Targets(IC50)	HBV
In vitro	Alisol F shows anti-inflammatory activities and liver protection through the inhibition of MAPK, STAT3, and NF-κB activation in vitro and in vivo, it suppresses iNOS induction [1]. Alisol F exhibits inhibitory activity in vitro on the hepatitis B virus (HBV) surface antigen (HBsAg) secretion of the Hep G2.2.15 cell line with the IC50 value of 0.6 μM, and on HBV e antigen (HBeAg) secretion (IC50: 8.5 μM) [2].

## Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0409 mL	0.2046 mL	0.4092 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

H Matsuda, et al. Effects of sesquiterpenes and triterpenes from the rhizome of *Alisma orientale* on nitric oxide production in lipopolysaccharide-activated macrophages: absolute stereostructures of alismaketones-B 23-acetate and -C 23-acetate. *Bioorg Med Chem Lett*. 1999 Nov 1;9(21):3081-6.

Zhi-Yong Jiang, et al. A new triterpene and anti-hepatitis B virus active compounds from *Alisma orientalis*. *Planta Med*. 2006 Aug;72(10):951-4.

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