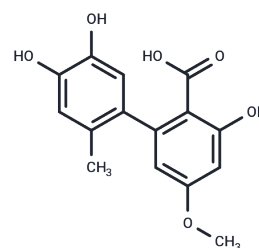


Altenusin

Chemical Properties

CAS No. :	31186-12-6
Formula:	C ₁₅ H ₁₄ O ₆
Molecular Weight:	290.27
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	Altenusin is a natural nonsteroidal fungal metabolite, as a novel selective agonist of FXR with an EC ₅₀ value of 3.2 ± 0.2 μM.
Targets(IC ₅₀)	FXR
In vitro	Treatment of primary mouse hepatocytes with altenusin inhibited oleic acid-induced steatosis in vitro [1].

Solubility Information

Solubility	DMSO: 75 mg/mL (258.38 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4451 mL	17.2253 mL	34.4507 mL
5 mM	0.689 mL	3.4451 mL	6.8901 mL
10 mM	0.3445 mL	1.7225 mL	3.4451 mL
50 mM	0.0689 mL	0.3445 mL	0.689 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

Zheng Z, Zhao Z, Li S, et al. Altenusin, a Nonsteroidal Microbial Metabolite, Attenuates Nonalcoholic Fatty Liver Disease by Activating the Farnesoid X Receptor. *Mol Pharmacol.* 2017;92(4):425-436. doi:10.1124/mol.117.108829

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