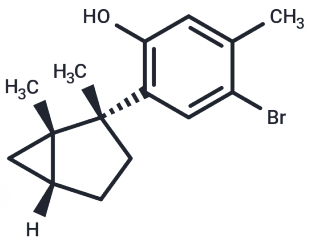
Data Sheet (Cat.No.T25638)

TargetMol

Laurinterol

Chemical Properties



CAS No. : 10539-87-4

Formula: C15H19BrO

Molecular Weight: 295.21

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	Laurinterol is an antimicrobial from the marine alga Laurencia okamurai.
Targets(IC50)	ATPase,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3874 mL	16.9371 mL	33.8742 mL
5 mM	0.6775 mL	3.3874 mL	6.7748 mL
10 mM	0.3387 mL	1.6937 mL	3.3874 mL
50 mM	0.0677 mL	0.3387 mL	0.6775 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

Kim MM, Mendis E, Kim SK. Laurencia okamurai extract containing laurinterol induces apoptosis in melanoma cells. J Med Food. 2008 Jun;11(2):260-6. doi: 10.1089/jmf.2007.575. PubMed PMID: 18598167.

Sims JJ, Donnell MS, Leary JV, Lacy GH. Antimicrobial agents from marine algae. Antimicrob Agents Chemother. 1975 Mar;7(3):320-1. PubMed PMID: 1137385; PubMed Central PMCID: PMC429132.

Vairappan CS, Suzuki M, Abe T, Masuda M. Halogenated metabolites with antibacterial activity from the Okinawan Laurencia species. Phytochemistry. 2001 Oct;58(3):517-23. PubMed PMID: 11557086.

Mao SC, Guo YW. A laurane sesquiterpene and rearranged derivatives from the Chinese red alga Laurencia okamurai Yamada. J Nat Prod. 2006 Aug;69(8):1209-11. PubMed PMID: 16933878.

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