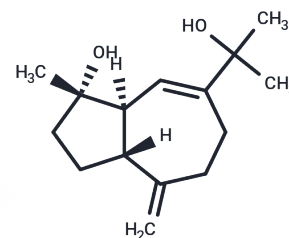


4 $\beta$ ,12-Dihydroxyguaian-6,10-diene

## Chemical Properties

CAS No. :	461644-90-6
Formula:	C <sub>15</sub> H <sub>24</sub> O <sub>2</sub>
Molecular Weight:	236.355
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	4beta,12-dihydroxyguaian-6,10-diene is a natural product from <i>Alisma orientale</i> .
Targets(IC50)	Others
In vitro	The structures of compounds (1-15) were identified based on 1D and 2D NMR, including (1)H-(1)H COSY, HSQC, HMBC and NOESY spectroscopic analyses. Among these isolates, antibacterial effect of compounds 2, 3, 10, and 15, major constituents of <i>A. orientale</i> was examined. The MIC values of compounds 2, 10, and 15 were 5-10 $\mu$ g/mL against eight antibiotic resistant strains, which were lower than those from the positive controls (MICs of chloramphenicol and ampicillin were 5-80 $\mu$ g/mL).

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2308 mL	21.1542 mL	42.3083 mL
5 mM	0.8462 mL	4.2308 mL	8.4617 mL
10 mM	0.4231 mL	2.1154 mL	4.2308 mL
50 mM	0.0846 mL	0.4231 mL	0.8462 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

A new triterpenoid from *Alisma orientale* and their antibacterial effect. Arch Pharm Res. 2012 Nov;35(11):1919-26.

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