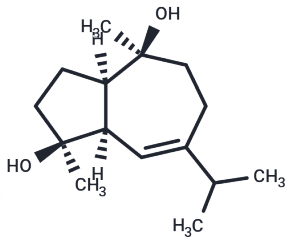
Data Sheet (Cat.No.TN6817)

TargetMol

1αH,5αH-guaia-6-ene-4β,10β-diol

Chemical Properties



CAS No. : 2013537-81-8

Formula: C15H26O2

Molecular Weight: 238.37

Storage: Keep away from direct sunlight
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	1αH,5αH-guaia-6-ene-4β,10β-diol is a natural product exhibiting μM-level inhibitory activity against MCF-7, PC-3, and H460 cells, suitable for lung cancer research.
Targets(IC50)	Others
In vitro	1αH,5αH-guaia-6-ene-4β,10β-diol exhibits anticancer activity, with IC50 values of 56.7 μM, 76.7 μM, and 59.0 μM against H460, MCF-7, and PC-7 cells respectively [1].

Solubility Information

Solubility	DMSO: 40 mg/mL (167.81 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1952 mL	20.9758 mL	41.9516 mL
5 mM	0.839 mL	4.1952 mL	8.3903 mL
10 mM	0.4195 mL	2.0976 mL	4.1952 mL
50 mM	0.0839 mL	0.4195 mL	0.839 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

Ma Q, et al. Structures and biological activities of the triterpenoids and sesquiterpenoids from Alisma orientale. Phytochemistry. 2016 Nov;131:150-157.

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