

Ginkgolic acid C17:1

Chemical Properties

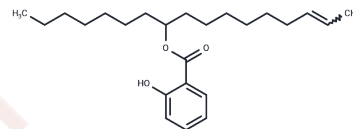
CAS No. : 111047-30-4

Formula: C₂₄H₃₈O₃

Molecular Weight: 374.56

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	1. Ginkgolic acid C17:1 can significantly inhibit enterohemorrhagic Escherichia coli O157:H7(EHEC) biofilm formation on the surfaces of polystyrene and glass, and on nylon membranes.
Targets(IC50)	PTEN,Phosphatase

Solubility Information

Solubility	DMSO: 55 mg/mL (146.84 mM),Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6698 mL	13.349 mL	26.698 mL
5 mM	0.534 mL	2.6698 mL	5.3396 mL
10 mM	0.267 mL	1.3349 mL	2.6698 mL
50 mM	0.0534 mL	0.267 mL	0.534 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.

Reference

Lee J H , Kim Y G , Ryu S Y , et al. Ginkgolic acids and Ginkgo biloba, extract inhibit Escherichia coli, O157:H7 and Staphylococcus aureus, biofilm formation[J]. International Journal of Food Microbiology, 2014, 174:47-55.

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