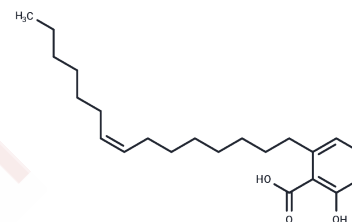


## Ginkgolic Acid

### Chemical Properties

CAS No. :	22910-60-7
Formula:	C <sub>22</sub> H <sub>34</sub> O <sub>3</sub>
Molecular Weight:	346.50
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



### Biological Description

Description	Ginkgolic Acid (Romanicardic acid) C15:1 represses curli genes and prophage genes in EHEC.
Targets(IC50)	E1/E2/E3 Enzyme

### Solubility Information

Solubility	Ethanol: 34.70 mg/mL (100.14 mM), Sonication is recommended. DMSO: 245.00 mg/mL (707.07 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	5% DMSO+95% Saline: 1.50 mg/mL (4.33 mM), Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.886 mL	14.430 mL	28.860 mL
5 mM	0.5772 mL	2.886 mL	5.772 mL
10 mM	0.2886 mL	1.443 mL	2.886 mL
50 mM	0.0577 mL	0.2886 mL	0.5772 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

Hua Z , Wu C , Fan G , et al. The antibacterial activity and mechanism of ginkgolic acid C15:1[J]. BMC Biotechnology, 2017, 17(1).

Chen J, Zhou X, Fu L, et al. Natural Product-Based Screening for Lead Compounds Targeting SARS CoV-2 Mpro[J]. Pharmaceuticals, 2023, 16(5): 767..Pharmaceuticals.2023, 16(5): 767.

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