

## Gondoic acid

## Chemical Properties

CAS No. : 5561-99-9

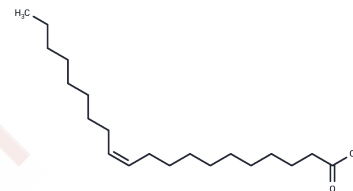
Formula: C<sub>20</sub>H<sub>38</sub>O<sub>2</sub>

Molecular Weight: 310.51

Store at low temperature

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

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Gondoic acid (cis-11-Eicosenoic acid) (cis-11-Eicosenoic acid) is a monounsaturated long-chain fatty acid that can be found in various plant oils and nuts [1].
Targets(IC50)	ERK,Others,Endogenous Metabolite,STAT,PKC,ROS

## Solubility Information

Solubility	DMSO: 250 mg/mL (805.13 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (10.63 mM),Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (32.21 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	3.2205 mL	16.1025 mL	32.2051 mL
5 mM	0.6441 mL	3.2205 mL	6.441 mL
10 mM	0.3221 mL	1.6103 mL	3.2205 mL
50 mM	0.0644 mL	0.3221 mL	0.6441 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

H Kikukawa, et al. Production of cis-11-eicosenoic acid by *Mortierella* fungi. *J Appl Microbiol.* 2015 Mar;118(3):641-7.

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