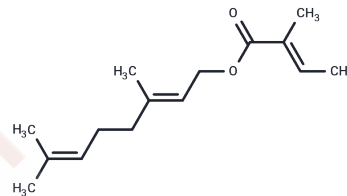


## Geranyl Tiglate

## Chemical Properties

CAS No. :	8000-46-2
Formula:	C <sub>15</sub> H <sub>24</sub> O <sub>2</sub>
Molecular Weight:	236.36
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	Geranyl Tiglate (tiglic acid geranyl ester) is one of the most important natural perfume.
Targets(IC50)	Estrogen Receptor/ERR,Others

## Solubility Information

Solubility	DMSO: 245 mg/mL (1036.55 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (42.31 mM),Suspension. <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	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

Sienkiewicz M, et al. The antibacterial activity of geranium oil against Gram-negative bacteria isolated from difficult-to-heal wounds. Burns. 2014 Aug;40(5):1046-51.

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