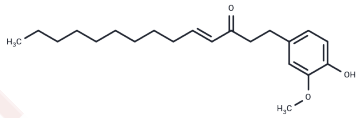
Data Sheet (Cat.No.T5431)

TargetMol

[10]-Shogaol

Chemical Properties



CAS No. : 36752-54-2

Formula: C21H32O3

Molecular Weight: 332.48

Storage: Keep away from direct sunlight,Store at low temperature
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	[10]-Shogaol (10-Shogaol) is an extract from ginger displaying antioxidant activity. It also may contain hypolipidemic and insulin-sensitizing effects.
Targets(IC50)	Antioxidant,NF-κB,Parasite,COX,Interleukin

Solubility Information

Solubility	DMSO: 245 mg/mL (736.89 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.02 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0077 mL	15.0385 mL	30.077 mL
5 mM	0.6015 mL	3.0077 mL	6.0154 mL
10 mM	0.3008 mL	1.5038 mL	3.0077 mL
50 mM	0.0602 mL	0.3008 mL	0.6015 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

Min BR, et al. Effects of Tissue Culture and Mycorrhiza Applications in Organic Farming on Concentrations of Phytochemicals and Antioxidant Capacities in Ginger (Zingiber officinale Roscoe) Rhizomes and Leaves. J Food Sci. 2017 Apr;82(4):873-881.

de Las Heras N, et al. Molecular factors involved in the hypolipidemic- and insulin-sensitizing effects of a ginger (Zingiber officinale Roscoe) extract in rats fed a high-fat diet. Appl Physiol Nutr Metab. 2017 Feb;42(2):209-215.