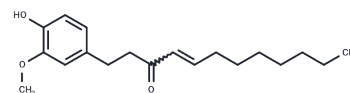


[8]-Shogaol

Chemical Properties

CAS No. :	36700-45-5
Formula:	C ₁₉ H ₂₈ O ₃
Molecular Weight:	304.42
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	[8]-Shogaol is a component of ginger and maintains anti-inflammatory activity as a cyclooxygenase-2 inhibitor.
Targets(IC50)	Apoptosis, COX

Solubility Information

Solubility	DMSO: 60 mg/mL (197.1 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2849 mL	16.4247 mL	32.8494 mL
5 mM	0.657 mL	3.2849 mL	6.5699 mL
10 mM	0.3285 mL	1.6425 mL	3.2849 mL
50 mM	0.0657 mL	0.3285 mL	0.657 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

Tjendraputra E, et al. Effect of ginger constituents and synthetic analogues on cyclooxygenase-2 enzyme in intact cells. Bioorg Chem. 2001 Jun;29(3):156-63.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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