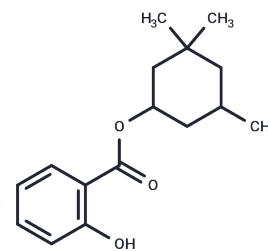


Homosalate

Chemical Properties

CAS No. :	118-56-9
Formula:	C ₁₆ H ₂₂ O ₃
Molecular Weight:	262.34
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	Homosalate (Homomenthyl salicylate) is an organic compound and chemical UV filter, formed as an ester from salicylic acid and 3,3,5-trimethylcyclohexanol, a cyclohexanol derivative.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (190.59 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 (7.62 mM),Sonication is recommended. <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	3.8118 mL	19.0592 mL	38.1185 mL
5 mM	0.7624 mL	3.8118 mL	7.6237 mL
10 mM	0.3812 mL	1.9059 mL	3.8118 mL
50 mM	0.0762 mL	0.3812 mL	0.7624 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

Kim TH, et al. J Toxicol Environ Health A. 2014;77(4):202-13.

Chen J, Geng X, Li B, et al. Homosalate and ERK Knockdown in the Modulation of Aurelia coerulea Metamorphosis by Regulating the PI3K Pathway and ERK Pathway. Current Issues in Molecular Biology. 2024, 46(10): 11630-11645.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481