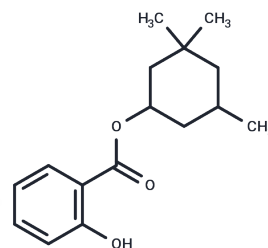


## Homosalate

## Chemical Properties

CAS No. :	118-56-9
Formula:	C <sub>16</sub> H <sub>22</sub> O <sub>3</sub>
Molecular Weight:	262.34
Appearance:	no data available
Storage:	Pure form: -20°C for 3 years   In solvent: -80°C for 1 year



## 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)
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## 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.

## 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.

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