
Product Data Sheet

Product Name: Homosalate (Homomenthyl salicylate)

Cat. No.: GC30249

Chemical Properties

Cas. No. 118-56-9

SMILES O=C(OC1CC(C)(C)CC(C)C1)C2=CC=CC=C2OFormula $C_{16}H_{22}O_3$

M.Wt 262.34

Solubility DMSO : ≥ 55 mg/mL (209.65 mM)Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Homosalate (HMS, Homomenthyl salicylate) is an organic ultraviolet filter used in most sunscreens but has been reported to be toxic to marine organisms. Homosalate aggravates the invasion of human trophoblast cells as well as regulates intracellular signaling pathways including PI3K/AKT and MAPK pathways.

Extracellular vesicles (EVs) released by Homosalate-treated cells enhance resistance to anchorage loss in another recipient epithelial tumour cell line.[2]

[1] Changwon Yang, et al. Environ Pollut. 2018 Dec;243(Pt B):1263-1273. [2] Grisard E, et al. J Extracell Vesicles. 2022 Jul;11(7):e12242.

Caution: Product has not been fully validated for medical applications. For research use only.

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