

Product Data Sheet

Product Name: Geranyl isovalerate

Cat. No.: GC81547

Chemical Properties

Cas. No. 109-20-6

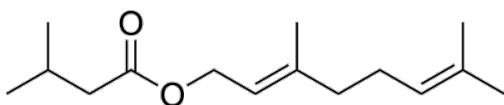
Formula $C_{15}H_{26}O_2$ M.Wt 238.37

Solubility DMSO: 100 mg/mL (419.52 mM; Need ultrasonic) Storage Store at room temperature

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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

Geranyl isovalerate is a chemical component that can be extracted from *Argyrea Nervosa*. Geranyl isovalerate inhibits cancer cell proliferation in a dose-dependent and time-dependent manner. Geranyl isovalerate activates the apoptotic pathway by inducing mitochondrial membrane potential loss and ROS accumulation. Geranyl isovalerate can be used for cancer research [1].

References:

[1]. Rasool F, et al. Evaluation of the anticancer properties of geranyl isovalerate, an active ingredient

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

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of *Argyrea nervosa* extract in colorectal cancer cells[J]. *Frontiers in Pharmacology*, 2021, 12: 698375.

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