

Geranyl butyrate

Chemical Properties

CAS No. :	106-29-6
Formula:	C ₁₄ H ₂₄ O ₂
Molecular Weight:	224.34
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	Geranyl butyrate (NSC 46146) is a flavor commonly used in the food and cosmetic industries.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 2 mg/mL (8.92 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	4.4575 mL	22.2876 mL	44.5752 mL
5 mM	0.8915 mL	4.4575 mL	8.915 mL
10 mM	0.4458 mL	2.2288 mL	4.4575 mL
50 mM	0.0892 mL	0.4458 mL	0.8915 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

Venturi V, et al. Microwave-assisted enzymatic synthesis of geraniol esters in solvent-free systems: optimization of the reaction parameters, purification and characterization of the products, and biocatalyst reuse. *Mol Divers*. 2023 Jun 27.

Li Y, et al. Comprehensive study of volatile compounds and transcriptome data providing genes for grape aroma. *BMC Plant Biol*. 2023 Mar 31;23(1):171.

Gorjian H, et al. Myrtle: a versatile medicinal plant. *Nutrire*. 2023;48(1):10.

Seebaluck R, et al. Medicinal plants from the genus *Acalypha* (Euphorbiaceae)--a review of their ethnopharmacology and phytochemistry. *J Ethnopharmacol*. 2015 Jan 15;159:137-57.

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