

Perillene

Chemical Properties

CAS No. : 539-52-6

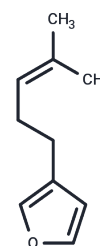
Formula: C₁₀H₁₄O

Molecular Weight: 150.22

Storage: Keep away from direct sunlight

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Perillene (3-Isohexenylfuran) is an active constituent in the drug which promotes enterocinesia. Perillene demonstrates strong resistance activity against staphylococcus aureus and E.coli.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	DMSO: 50 mg/mL (332.85 mM), Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.6569 mL	33.2845 mL	66.569 mL
5 mM	1.3314 mL	6.6569 mL	13.3138 mL
10 mM	0.6657 mL	3.3285 mL	6.6569 mL
50 mM	0.1331 mL	0.6657 mL	1.3314 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

Krings, U., Hapetta, D. & Berger, R.G. Appl Microbiol Biotechnol (2008) 78: 533. <https://doi.org/10.1007/s00253-007-1335-8>

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