

(-)-Isopinocampheol

Chemical Properties

CAS No.:	1196-00-5
Formula:	C ₁₀ H ₁₈ O
Molecular Weight:	154.25
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	(-)-Isopinocampheol is a monoterpene and a component of several plant essential oils. It showed dual viricidal activity against herpes simplex virus 1.
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Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.483 mL	32.415 mL	64.830 mL
5 mM	1.297 mL	6.483 mL	12.966 mL
10 mM	0.648 mL	3.241 mL	6.483 mL
50 mM	0.130 mL	0.648 mL	1.297 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Reller M, Wesp S, Koos MRM, Reggelin M, Luy B. Biphasic Liquid Crystal and the Simultaneous Measurement of Isotropic and Anisotropic Parameters by Spatially Resolved NMR Spectroscopy. Chemistry. 2017 Sep 27;23(54):13351-13359. doi: 10.1002/chem.201702126. Epub 2017 Jul 26. PubMed PMID: 28644550.
2. Hansmann S, Schmidts V, Thiele CM. Synthesis of Poly-γ-S-2-methylbutyl-L-glutamate and Poly-γ-S-2-methylbutyl-D-glutamate and Their Use as Enantiodiscriminating Alignment Media in NMR Spectroscopy. Chemistry. 2017 Jul 6;23(38):9114-9121. doi: 10.1002/chem.201700699. Epub 2017 Jun 20. PubMed PMID: 28370575.
3. Duporté G, Flaud PM, Geneste E, Augagneur S, Pangui E, Lamkaddam H, Gratien A, Doussin JF, Budzinski H, Villenave E, Perraudin E. Experimental Study of the Formation of Organosulfates from α-Pinene Oxidation. Part I: Product Identification, Formation Mechanisms and Effect of Relative Humidity. J Phys Chem A. 2016 Oct 13;120(40):7909-7923. Epub 2016 Sep 29. PubMed PMID: 27611844.
4. Krupp A, Reggelin M. Phenylalanine-based polyarylacetylenes as enantiomer-differentiating alignment media. Magn Reson Chem. 2012 Dec;50 Suppl 1:S45-52. doi: 10.1002/mrc.3894. PubMed PMID: 23280660.

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