

Camphoric acid, (-)-

Chemical Properties

CAS No.:	560-09-8
Formula:	C ₁₀ H ₁₆ O ₄
Molecular Weight:	200.23
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Camphoric acid, (-)- is a white crystallisable substance obtained from the oxidation of camphor. the dextrorotatory one is obtained by the oxidation of dextrorotatory camphor. It also is used in pharmaceuticals.
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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	4.994 mL	24.971 mL	49.943 mL
5 mM	0.999 mL	4.994 mL	9.989 mL
10 mM	0.499 mL	2.497 mL	4.994 mL
50 mM	0.100 mL	0.499 mL	0.999 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. Zhao X, Nguyen ET, Hong AN, Feng P, Bu X. Chiral Isocamphoric Acid: Founding a Large Family of Homochiral Porous Materials. *Angew Chem Int Ed Engl.* 2018 Jun 11;57(24):7101-7105. doi: 10.1002/anie.201802911. Epub 2018 May 17. PubMed PMID: 29774646.
2. Bandi MM, Akella VS, Singh DK, Singh RS, Mandre S. Hydrodynamic Signatures of Stationary Marangoni-Driven Surfactant Transport. *Phys Rev Lett.* 2017 Dec 29;119(26):264501. doi: 10.1103/PhysRevLett.119.264501. Epub 2017 Dec 28. PubMed PMID: 29328684.
3. Hou X, Xu T, Wang Y, Liu S, Tong J, Liu B. Superficial Chiral Etching on Achiral Metal-Organic Framework for Enantioselective Sorption. *ACS Appl Mater Interfaces.* 2017 Sep 20;9(37):32264-32269. doi: 10.1021/acsami.7b10147. Epub 2017 Sep 5. PubMed PMID: 28841003.
4. Boniface PK, Baptista Ferreira S, Roland Kaiser C. Current state of knowledge on the traditional uses, phytochemistry, and pharmacology of the genus *Hymenaea*. *J Ethnopharmacol.* 2017 Jul 12;206:193-223. doi: 10.1016/j.jep.2017.05.024. Epub 2017 May 21. Review. PubMed PMID: 28536059.

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