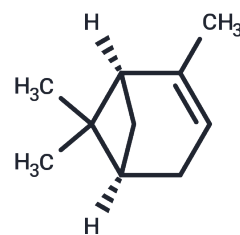


(1R)- α -Pinene

Chemical Properties

CAS No. :	7785-70-8
Formula:	C ₁₀ H ₁₆
Molecular Weight:	136.23
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	(1R)- α -Pinene ((+)- α -Pinene) is a volatile substance from plants with antimicrobial activity and anthelmintic activity that reduces the growth of Bacillus cereus populations.
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.3405 mL	36.7026 mL	73.4053 mL
5 mM	1.4681 mL	7.3405 mL	14.6811 mL
10 mM	0.7341 mL	3.6703 mL	7.3405 mL
50 mM	0.1468 mL	0.7341 mL	1.4681 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

Yates DI, et al. *Sciadopitys verticillata* Resin: Volatile Components and Impact on Plant Pathogenic and Foodborne Bacteria. *Molecules*. 2019 Oct 19;24(20):3767.

Haselton AT, et al. Repellency of α -pinene against the house fly, *Musca domestica*. *Phytochemistry*. 2015 Sep;117:469-475.

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