

(2S)-6-methylhept-5-en-2-ol

Chemical Properties

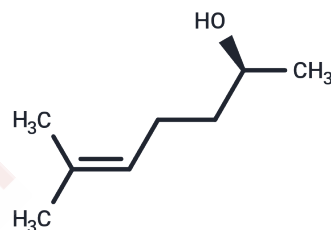
CAS No. : 58917-26-3

Formula: C₈H₁₆O

Molecular Weight: 128.21

Storage: Store at 4°C

Actual storage temperature shall be subject to the COA.



Biological Description

Description	(2S)-6-methylhept-5-en-2-ol ((S)-(+)-6-Methyl-5-Hepten-2-OL) is a pheromone component of Cerambycid beetles in the Lamiinae subfamily. The S configuration of 6-methylhept-5-en-2-ol is inactive, and only the mixture of S and R configurations is
Targets(IC50)	Others
In vitro	(2S)-6-methylhept-5-en-2-ol is an aliphatic alcohol found in <i>Endoconidiophora coerulescens</i> .

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.7997 mL	38.9985 mL	77.997 mL
5 mM	1.5599 mL	7.7997 mL	15.5994 mL
10 mM	0.780 mL	3.8999 mL	7.7997 mL
50 mM	0.156 mL	0.780 mL	1.5599 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

- Bandeira PT, et al. Aggregation Pheromones of Weevils (Coleoptera: Curculionidae): Advances in the Identification and Potential Uses in Semiochemical-Based Pest Management Strategies. *J Chem Ecol.* 2021 Dec;47(12):968-986.
- Xu, T., Hansen, L., Cha, D.H. et al. Identification of a female-produced pheromone in a destructive invasive species: Asian longhorn beetle, *Anoplophora glabripennis*. *J Pest Sci* 93, 1321-1332 (2020).

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