

## L-Citronellol

## Chemical Properties

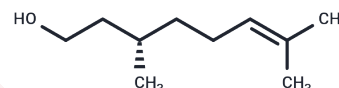
CAS No. : 7540-51-4

Formula: C<sub>10</sub>H<sub>20</sub>O

Molecular Weight: 156.27

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	L-Citronellol ((S)-(-)-beta-Citronellol) is a small molecule compound isolated from geranium with antifungal activity, affecting fungal membranes. L-Citronellol acts synergistically with amphotericin B against Candida yeast.
Targets(IC50)	Antifungal

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.3992 mL	31.9959 mL	63.9918 mL
5 mM	1.2798 mL	6.3992 mL	12.7984 mL
10 mM	0.6399 mL	3.1996 mL	6.3992 mL
50 mM	0.128 mL	0.6399 mL	1.2798 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

Silva D, et al. (R)-(+)-β-Citronellol and (S)-(-)-β-Citronellol in Combination with Amphotericin B against Candida Spp. Int J Mol Sci. 2020 Mar 5;21(5):1785.

Silva DF, et al. The impact that β-citronellol isomers have on the biofilm formation of Candida yeasts. Nat Prod Res. 2021 Dec;35(24):6002-6006.

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