

## (+)-Longifolene

## Chemical Properties

CAS No. : 475-20-7

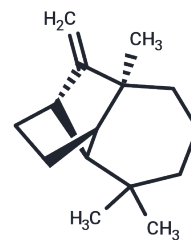
Formula: C<sub>15</sub>H<sub>24</sub>

Molecular Weight: 204.35

Store at low temperature

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	(+)-Longifolene is a naturally occurring.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	DMSO: 250 mg/mL (1223.39 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8936 mL	24.4678 mL	48.9356 mL
5 mM	0.9787 mL	4.8936 mL	9.7871 mL
10 mM	0.4894 mL	2.4468 mL	4.8936 mL
50 mM	0.0979 mL	0.4894 mL	0.9787 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

Asakawa Y , Ishida T , Toyota M , et al. Terpenoid biotransformation in mammals IV Biotransformation of (+)-longifolene, (-)-caryophyllene, (-)-caryophyllene oxide, (-)-cyclocolorenone, (+)-nootkatone, (-)-elemol, (-)-abietic acid and (+)-dehydroabietic acid in rabbits[J]. *Xenobiotica*, 1986, 16(8):753-767.

Cao Y, Zhang R, Liu W, et al. Manipulation of the precursor supply for high-level production of longifolene by metabolically engineered *Escherichia coli*. *Sci Rep*. 2019 Jan 14;9(1):95

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