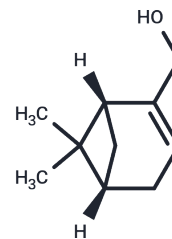


(-)-Myrtenol

Chemical Properties

CAS No. :	19894-97-4
Formula:	C ₁₀ H ₁₆ O
Molecular Weight:	152.23
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	(-)-Myrtenol ((1R)-(-)-Myrtenol) is a naturally occurring plant-derived monoterpene with anxiolytic, gastric cytoprotective, and wound-healing activities, and can be used in the study of gastric ulcers.
Targets(IC50)	Others
In vitro	(-)-Myrtenol favors wound healing activity via stimulation of cell proliferation and migration without altering the cell viability. [2]
In vivo	Compared to vehicle-treated ulcer controls, oral administration of (-)-Myrtenol (50 and 100 mg/kg/day) for 7 days promoted ulcer healing, as indicated by significant decreases in ulcer area and volume. [2]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.569 mL	32.845 mL	65.6901 mL
5 mM	1.3138 mL	6.569 mL	13.138 mL
10 mM	0.6569 mL	3.2845 mL	6.569 mL
50 mM	0.1314 mL	0.6569 mL	1.3138 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

Moreira MR, et al. Anxiolytic-like effects and mechanism of (-)-myrtenol: a monoterpene alcohol. *Neurosci Lett*. 2014 Sep 5;579:119-24.

Viana AFSC, et al. (-)-Myrtenol accelerates healing of acetic acid-induced gastric ulcers in rats and in human gastric adenocarcinoma cells. *Eur J Pharmacol*. 2019 Jul 5;854:139-148.

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