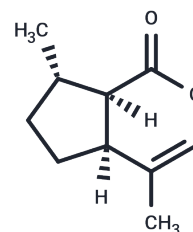


4 α ,7 α ,7 α -Nepetalactone

Chemical Properties

CAS No. :	21651-62-7
Formula:	C ₁₀ H ₁₄ O ₂
Molecular Weight:	166.22
Storage:	Keep away from direct sunlight 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	4 α ,7 α ,7 α -Nepetalactone is a natural terpenoid lactone exhibiting antibacterial activity against <i>E. coli</i> , <i>P. aeruginosa</i> , <i>S. aureus</i> , and others.
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.0161 mL	30.0806 mL	60.1612 mL
5 mM	1.2032 mL	6.0161 mL	12.0322 mL
10 mM	0.6016 mL	3.0081 mL	6.0161 mL
50 mM	0.1203 mL	0.6016 mL	1.2032 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

Ali Shafaghat, et al. Nepetalactone content and antibacterial activity of the essential oils from different parts of *Nepeta persica*. *Nat Prod Commun.* 2010 Apr;5(4):625-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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