

Hericenone C

Chemical Properties

CAS No. : 137592-03-1

Formula: C₃₅H₅₄O₆

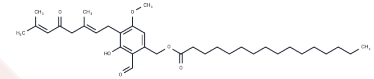
Molecular Weight: 570.8

Keep away from direct sunlight, Keep away from moisture

Storage:

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Hericenone C (Hericium erinaceus ketone C) is a natural product and α -glucosidase inhibitor, which can be used for biochemical experiments and drug synthesis.
Targets(IC50)	Glucosidase
In vitro	Methods: RAW264.7 cells were treated with Hericenone C (40 μ M, before formalin administration) to investigate the role of Hericenone C in formalin-induced nociceptive behavior. Results: Formalin induced the mRNA expression of the inflammatory cytokine IL-6, while Hericenone C significantly inhibited its expression. [1]
In vivo	Methods: The antinociceptive effect of Hericenone C was evaluated by intraperitoneal injection (2.5, 5, 10 mg/kg, before formalin injection). Results: Hericenone C pretreatment inhibited the total duration of pain-related behaviors in the second phase of formalin-induced nociception in a dose-dependent manner and showed a significant effect. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7519 mL	8.7596 mL	17.5193 mL
5 mM	0.3504 mL	1.7519 mL	3.5039 mL
10 mM	0.1752 mL	0.876 mL	1.7519 mL
50 mM	0.035 mL	0.1752 mL	0.3504 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

Li J, et al. Hericenone C attenuates the second phase of formalin-induced nociceptive behavior by suppressing the accumulation of CD11c-positive cells in the paw epidermis via phosphorylated P65. *Biochem Biophys Res Commun.* 2024 Aug 6;720:150077.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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