

Cholesta-3,5-diene

Chemical Properties

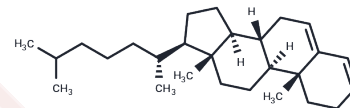
CAS No. : 747-90-0

Formula: C₂₇H₄₄

Molecular Weight: 368.6383

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	Cholesta-3,5-diene is an inflammation modulator targeting immune cells (such as neutrophils), facilitating wound healing by promoting neutrophil chemotaxis and fibroblast migration. It enhances immune cell recruitment and extracellular matrix deposition by activating chemokine receptor-mediated signaling pathways (such as PI3K/Akt). Cholesta-3,5-diene can be applied topically for wound repair, showing potential therapeutic value in chronic ulcers or skin injuries.
Targets(IC50)	Akt,PI3K

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7127 mL	13.5634 mL	27.1267 mL
5 mM	0.5425 mL	2.7127 mL	5.4253 mL
10 mM	0.2713 mL	1.3563 mL	2.7127 mL
50 mM	0.0543 mL	0.2713 mL	0.5425 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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