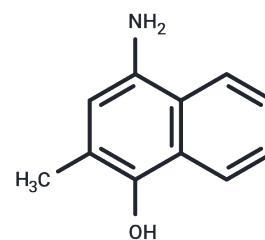


Vitamin K5

Chemical Properties

CAS No. :	83-70-5
Formula:	C ₁₁ H ₁₁ NO
Molecular Weight:	173.21
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Vitamin K5 (Synkamin), a photosensitizer and antimicrobial agent, serves as a specific PKM2 inhibitor, demonstrating IC 50 values of 28, 191, and 120 μM against PKM2, PKM1, and PKL, respectively. It induces apoptosis in colon 26 cells and is utilized in infection and cancer research. Additionally, Vitamin K5 finds application as a preservative in pharmaceuticals, foods, and beverages [1] [2] [3].
Targets(IC50)	Apoptosis,Others,Antibacterial,Antifungal,PKM

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.7733 mL	28.8667 mL	57.7334 mL
5 mM	1.1547 mL	5.7733 mL	11.5467 mL
10 mM	0.5773 mL	2.8867 mL	5.7733 mL
50 mM	0.1155 mL	0.5773 mL	1.1547 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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