

EP3

Chemical Properties

CAS No. : 749252-79-7

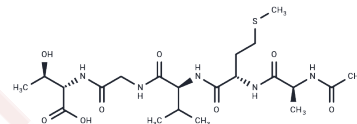
Formula: C₂₁H₃₇N₅O₈S

Molecular Weight: 519.61

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	EP3, an antimicrobial peptide, exhibits both antibacterial and antifungal activities, effectively inhibiting <i>E. gallinarum</i> , <i>P. pyocyanea</i> , <i>A. baumannii</i> , and <i>K. terrigena</i> with a minimum inhibitory concentration (MIC) of 12.85 µg/mL. Additionally, EP3 demonstrates antitumor activity against cancer cells, inducing cell apoptosis [1].
Targets(IC50)	Apoptosis, Antibacterial, Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9245 mL	9.6226 mL	19.2452 mL
5 mM	0.3849 mL	1.9245 mL	3.849 mL
10 mM	0.1925 mL	0.9623 mL	1.9245 mL
50 mM	0.0385 mL	0.1925 mL	0.3849 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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