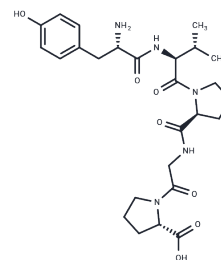


YVPGP

Chemical Properties

CAS No. :	2095286-57-8
Formula:	C ₂₆ H ₃₇ N ₅ O ₇
Molecular Weight:	531.60
Storage:	Keep away from moisture 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	YVPGP is an oligopeptide extracted from <i>Anthopleura anjunae</i> . It exhibits significant anti-tumor activity by mediating the PI3K/AKT/mTOR signaling pathway. YVPGP can arrest DU-145 cells in the S phase and induce apoptosis (apoptosis) through mitochondrial and death receptor pathways (caspase3, 7, 8, 9). It effectively inhibits tumor growth in a DU-145 xenograft mouse model, showing potential for prostate cancer research.
Targets(IC50)	Apoptosis, Bcl-2 Family, Akt, Caspase, mTOR, PI3K

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8811 mL	9.4056 mL	18.8111 mL
5 mM	0.3762 mL	1.8811 mL	3.7622 mL
10 mM	0.1881 mL	0.9406 mL	1.8811 mL
50 mM	0.0376 mL	0.1881 mL	0.3762 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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