

cyclo(CLLFVY)

Chemical Properties

CAS No. : 1446322-73-1

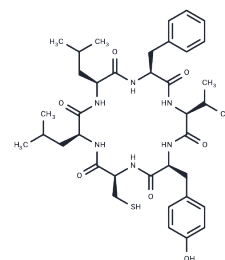
Formula: C38H54N6O7S

Molecular Weight: 738.94

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	Cyclo(CLLFVY) is an inhibitor of hypoxia-inducible factor-1 (HIF-1), exhibiting half-maximal inhibitory concentrations (IC50) of 19 μ M in U2OS cells and 16 μ M in MCF-7 cells. It binds to the PAS-B domain of HIF-1 α , inhibiting the dimerization and transcriptional activity of HIF-1. Moreover, cyclo(CLLFVY) downregulates the expression of hypoxia response genes (such as VEGF and CAIX), demonstrating antitumor effects against HIF-1-related cancers.
Targets(IC50)	HIF/HIF Prolyl-Hydroxylase, VEGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3533 mL	6.7664 mL	13.5329 mL
5 mM	0.2707 mL	1.3533 mL	2.7066 mL
10 mM	0.1353 mL	0.6766 mL	1.3533 mL
50 mM	0.0271 mL	0.1353 mL	0.2707 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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