

VSLRGDTRG

Chemical Properties

CAS No. : 2027476-29-3

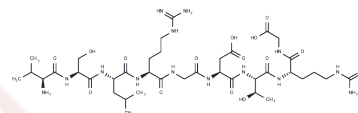
Formula: C38H69N15O14

Molecular Weight: 960.047

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	VSLRGDTRG is a synthetic peptide derived from the RGD motif in cadherin17 (CDH17) that binds to the $\alpha2\beta1$ integrin, activating its signaling pathways. By promoting high-affinity conformational changes in $\beta1$ integrins through the RGD motif, VSLRGDTRG enhances cell adhesion and the phosphorylation of FAK and ERK1/2, thereby driving tumor proliferation and metastasis. This peptide is useful for research on cancers expressing CDH17, such as colorectal and pancreatic cancer.
Targets(IC50)	ERK,FAK,Integrin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0416 mL	5.2081 mL	10.4161 mL
5 mM	0.2083 mL	1.0416 mL	2.0832 mL
10 mM	0.1042 mL	0.5208 mL	1.0416 mL
50 mM	0.0208 mL	0.1042 mL	0.2083 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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