

VMAPRTLFL

Chemical Properties

CAS No. : 202657-61-2
Formula: C49H82N12O11S
Molecular Weight: 1047.33
Storage: Keep away from moisture
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	VMAPRTLFL is a 9-peptide derived from the HLA-G signal peptide and serves as a ligand for the HLA-E peptide. It plays a crucial role in regulating the function of adaptive natural killer (NK) cells. VMAPRTLFL specifically enriches FcεRγ-adaptive NK cells, upregulates CD25 expression, and enhances their proliferation, antibody-dependent cellular cytotoxicity (ADCC), and IFN-γ release. This peptide can be utilized in research related to human cytomegalovirus (HCMV) infection, transplant rejection, and pregnancy immunity.
Targets(IC50)	MHC

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9548 mL	4.774 mL	9.5481 mL
5 mM	0.191 mL	0.9548 mL	1.9096 mL
10 mM	0.0955 mL	0.4774 mL	0.9548 mL
50 mM	0.0191 mL	0.0955 mL	0.191 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.

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