

VLPDVFIRCV

Chemical Properties

CAS No. :	176510-49-9
Formula:	C54H89N13O13S
Molecular Weight:	1160.44
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	VLPDVFIRCV, a peptide derived from a melanoma antigen, originates from the intronic sequence (nt 38-67) of the N-acetylglucosaminyltransferase V (GnT-V) gene. Despite its high binding affinity for MHC-I molecules, VLPDVFIRCV does not activate an immune response against natural tumor cells. However, cytotoxic T lymphocytes (CTL) induced by VLPDVFIRCV can specifically lyse T2 cells loaded with this peptide in chromium release assays. This peptide is useful for research in vaccine design.
Targets(IC50)	MHC

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8617 mL	4.3087 mL	8.6174 mL
5 mM	0.1723 mL	0.8617 mL	1.7235 mL
10 mM	0.0862 mL	0.4309 mL	0.8617 mL
50 mM	0.0172 mL	0.0862 mL	0.1723 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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