

HBV Seq2 aa:179-186

Chemical Properties

CAS No. :	337464-42-3
Formula:	C52H70N10O10
Molecular Weight:	995.17
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	HBV Seq2 aa:179-186 is a novel epitope located on the hepatitis B virus surface antigen that serves as a motif for CTL response within the H-2b system following in vitro restimulation of primed T cells. HBV Seq2 aa:179-186 is used in immunological research to study antigen presentation, cytotoxic T lymphocyte activation, and epitope-specific immune recognition mechanisms in hepatitis B virus-related cellular immunity models.
Targets(IC50)	HBV
In vivo	Method:C57BL/6 (H-2b) mice were used to analyze cytotoxic T lymphocyte (CTL) responses to endogenously synthesized or exogenously introduced HBV surface antigen (HBsAg), including recombinant vaccinia virus and soluble antigen exposure. Result:Endogenously synthesized HBsAg efficiently elicited CTL responses even in previously non-responder mice. Two peptides, HBV Seq2 aa:179-186 (FVQWVGL) and S (208-216) (ILSPFLPLL), functioned as effective CTL motifs in the H-2b system after in vitro restimulation. Soluble HBsAg also induced CTL responses but less efficiently than recombinant vaccinia virus.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0049 mL	5.0243 mL	10.0485 mL
5 mM	0.201 mL	1.0049 mL	2.0097 mL
10 mM	0.1005 mL	0.5024 mL	1.0049 mL
50 mM	0.0201 mL	0.1005 mL	0.201 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.

Reference

Roh S, et, al. Induction of CTL responses and identification of a novel epitope of hepatitis B virus surface antigens in C57BL/6 mice immunized with recombinant vaccinia viruses. Virus Res. 2001 Jan;73(1):17-26.

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