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Zuschläge

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HIV gp120 (318-327)

Cat. No.:	HY-P10251
CAS No.:	147841-68-7
Molecular Formula:	C ₄₈ H ₈₀ N ₁₆ O ₁₂
Molecular Weight:	1073.25
Sequence:	Arg-Gly-Pro-Gly-Arg-Ala-Phe-Val-Thr-Ile
Sequence Shortening:	RGPGRAFVTI
Target:	HIV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	HIV gp120 (318-327) is a short sequence of the HIV-1 strain IIIB envelope peptide (rgpgrafvti) that corresponds to the conserved C-terminal region of the glycoprotein. HIV gp120 (318-327) is part of the HIV vaccine V3 peptide epitope, also known as the I10 peptide. However, HIV gp120 (318-327) lacks the A2 anchor residues recognized by epitope-specific CTLs but has structural features that confer promiscuous A2 binding ^{[1][2]} .
In Vitro	HIV gp120 (318-327) (0.5 μM) stimulates a diminished CTL response in JA2 cells expressing the 7DV3 mutant ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kmiecik D, et al. The effect of deletion of the V3 loop of gp120 on cytotoxic T cell responses and HIV gp120-mediated pathogenesis. *J Immunol.* 1998 Jun 1;160(11):5676-83.

[2]. Gu L, et al. A recombinant adenovirus-based vector elicits a specific humoral immune response against the V3 loop of HIV-1 gp120 in mice through the "Antigen Capsid-Incorporation" strategy. *Viol J.* 2014 Jun 16;11:112.

Caution: Product has not been fully validated for medical applications. For research use only.

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