

Product Data Sheet

Product Name: HIV (gp120) Fragment (318-327)

Cat. No.: GA22598

Chemical Properties

Cas. No. 147841-68-7

Formula $C_{48}H_{80}N_{16}O_{12}$

M.Wt 1073.26

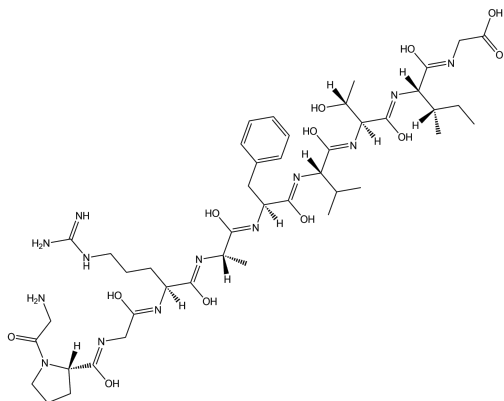
Solubility Soluble in DMSO

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

HIV (gp120) Fragment (318-327) is a decapeptide fragment derived from the V3 loop region of the envelope glycoprotein gp120 of the HIV-1 IIB strain^[1]. HIV (gp120) Fragment (318-327) is primarily used in the development of AIDS vaccines (as a V3 peptide epitope) and related research on immune mechanisms^[2].

References:

[1] Martí D, Alemán C, Ainsley J, et al. IgG1-b12-HIV-gp120 Interface in Solution: A Computational Study. J Chem Inf Model. 2022 Jan 24;62(2):359-371.

[2] Sattentau QJ. HIV gp120: double lock strategy foils host defences. Structure. 1998 Aug 15;6(8):945-9.

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

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