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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Peptide T acetate(106362-32-7 free base)

Chemical Properties

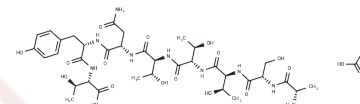
CAS No. :

Formula: C37H59N9O18

Molecular Weight: 917.91

Appearance: no data available

Storage: keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Peptide T acetate is an octapeptide from the V2 region of HIV-1 gp120. Peptide T is a synthetic octapeptide whose possible mechanism of action is the competitive inhibition of gp120 to the CD4 receptor as well as binding to vasointestinal peptide receptors and inhibiting cytokine action
Targets(IC50)	HIV Protease
In vitro	Peptide T acts to block viral entry as it inhibits in the MAGI cell assay and blocks infection in the luciferase reporter assay using HIV virions pseudotyped with ADA envelope. Peptide T selectively inhibits HIV replication using chemokine receptor CCR5 compared to CXCR4[2]. Peptide T at 10 ⁻⁸ M induces IL-10 production by the human Th2 cell line and PBMC. Also peptide T at 10 ⁻⁹ M concentration significantly inhibits IFN-γ production by PBMC[3].
In vivo	Peptide T is administered subcutaneously at different doses and phases of the experimental autoimmune encephalomyelitis (EAE) disease, but Peptide T neither prevents nor ameliorates EAE[4].

Solubility Information

Solubility	H2O: 5 mM, DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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A DRUG SCREENING EXPERT

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0894 mL	5.4472 mL	10.8943 mL
5 mM	0.2179 mL	1.0894 mL	2.1789 mL
10 mM	0.1089 mL	0.5447 mL	1.0894 mL
50 mM	0.0218 mL	0.1089 mL	0.2179 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.

Reference

Ruff MR, et al. Peptide T[4-8] is core HIV envelope sequence required for CD4 receptor attachment. Lancet. 1987 Sep 26;2(8561):751.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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