Data Sheet (Cat.No.T21760L)

TargetMol

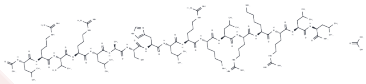
COG 133 Acetate

Chemical Properties

CAS No. :

Formula: C99H185N37O21

Molecular Weight: 2229.76



Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	COG 133 Acetate, (C97H181N37O19) is a peptide with the sequence Ac-Leu-Arg-Val-Arg-Leu-Ala-Ser-His-Leu-Arg-Lys-Leu-Arg-Lys-Arg-Leu-Leu-amide.
Targets(IC50)	Others
In vivo	The novel ApoE COG 133 mimetic peptide can reduce 5-FU-induced intestinal changes and potentially benefit mucositis.[1]?

Solubility Information

Solubility	H2O: 45 mg/mL (20.18 mM),Sonication is recommended. DMSO: 200 mg/mL (89.7 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4485 mL	2.2424 mL	4.4848 mL
5 mM	0.0897 mL	0.4485 mL	0.897 mL
10 mM	0.0448 mL	0.2242 mL	0.4485 mL
50 mM	0.009 mL	0.0448 mL	0.0897 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

Azevedo O , Oliveira R , BC Oliveira, et al. Apolipoprotein E COG 133 mimetic peptide improves 5-fluorouracil-induced intestinal mucositis[J]. BMC Gastroenterology, 2012, 12(1):35.

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