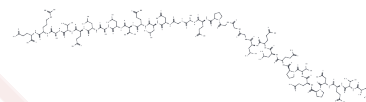


C-Peptide 1 (rat)

Chemical Properties

CAS No. :	41475-27-8
Formula:	C140H228N38O51
Molecular Weight:	3259.58
Storage:	Keep away from moisture,Keep away from direct sunlight 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	C-Peptide 1 (rat) is a polypeptide isolated from proinsulin. C-Peptide acts as a β -catenin/GSK-3 β activator, influences Na/K-ATPase activity, regulates apoptosis, and may improve diabetic neuropathy.
Targets(IC50)	Apoptosis,ATPase,GSK-3,Wnt/beta-catenin

Solubility Information

Solubility	H2O: 40 mg/mL (12.27 mM),Sonication is recommended. DMSO: 80 mg/mL (24.54 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3068 mL	1.5339 mL	3.0679 mL
5 mM	0.0614 mL	0.3068 mL	0.6136 mL
10 mM	0.0307 mL	0.1534 mL	0.3068 mL
50 mM	0.0061 mL	0.0307 mL	0.0614 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

Zhang N, et al. The recent progress of peptide regulators for the Wnt/ β -catenin signaling pathway. Front Med (Lausanne). 2023 Jun 16;10:1164656.

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