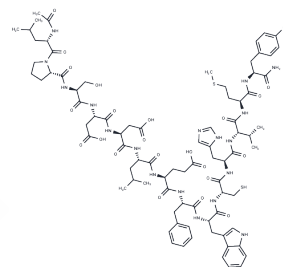


Fz7-21

Chemical Properties

CAS No. :	2247635-23-8
Formula:	C83H114N18O23S2
Molecular Weight:	1796.03
Storage:	Keep away from moisture 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	Fz7-21 ((Ac)-LPSSDLEFWCHVMY-NH ₂) is a peptide antagonist of FZD7 . It antagonises WNT3A-induced Wnt-β-catenin signalling in HEK293 expressing FZD7. Fz7-21 impairs Wnt/β-catenin signaling in HEK293 cells stimulated with exogenous WNT3A (IC ₅₀ =100 nM) or transfected with a construct expressing WNT3A or WNT1. Fz7-21 also blocks WNT3A-mediated stabilization of β-catenin in mouse L cells (IC ₅₀ =50 nM).
Targets(IC ₅₀)	Wnt/beta-catenin

Solubility Information

Solubility	DMSO: 10 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	0.5568 mL	2.7839 mL	5.5678 mL
5 mM	0.1114 mL	0.5568 mL	1.1136 mL
10 mM	0.0557 mL	0.2784 mL	0.5568 mL
50 mM	0.0111 mL	0.0557 mL	0.1114 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

Nile AH, et al. A selective peptide inhibitor of Frizzled 7 receptors disrupts intestinal stem cells. Nat Chem Biol. 2018 Sep;14(9):902.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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