

QPH-FR

Chemical Properties

CAS No. :

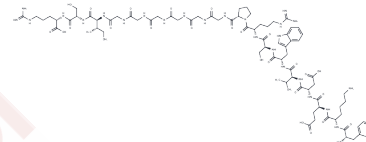
Formula: C81H124N26O25

Molecular Weight: 1862.01

Keep away from moisture

Storage: 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	QPH-FR is a quinoa peptide and acts as an inhibitor of the G protein-coupled receptor 5 (LGR5) that is abundant in leucine repeat sequences. By binding to LGR5, QPH-FR competitively inhibits the formation of the LGR5/RSPO1 complex. This interaction leads to the ubiquitination of FZD receptors by RNF43/ZNRF3, thereby inhibiting the Wnt/ β -catenin signaling pathway and exerting stem cell suppression.
Targets(IC50)	Wnt/beta-catenin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5371 mL	2.6853 mL	5.3705 mL
5 mM	0.1074 mL	0.5371 mL	1.0741 mL
10 mM	0.0537 mL	0.2685 mL	0.5371 mL
50 mM	0.0107 mL	0.0537 mL	0.1074 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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