

GLP-1 (9-36) amide

Chemical Properties

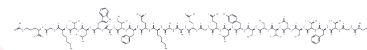
CAS No. : 161748-29-4

Formula: C140H214N36O43

Molecular Weight: 3089.41

Storage: Store at low temperature, 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	GLP-1 (9-36) amide is an antagonist at the human GLP-1 receptor. GLP-1 (9-36) amide potently inhibits hepatic glucose production (HGP) and is a weak insulinotropic agent.
Targets(IC50)	Glucagon Receptor
In vivo	After subcutaneous (s.c.) administration of GLP-1 to dogs the plasma immunoreactivity of GLP-1 measured by two different radioimmunoassays (RIAs) were higher than that measured by a sandwich enzyme-linked immunosorbent assay (ELISA). This discrepancy was due to the formation of the metabolites GLP-1-(9-36) amide, GLP-1-(7-35) and GLP-1-(7-34). Receptor binding studies using baby hamster kidney cells expressing the human pancreatic GLP-1 receptor showed that the affinity of GLP-1-(9-36) amide was 0.95% of the affinity of GLP-1-(7-36) amide. Furthermore, GLP-1-(9-36) amide was shown to be an antagonist to adenylyl cyclase activity. GLP-1-(9-36) amide was shown to be present in vivo in amounts up to 10-fold that of GLP-1-(7-36) amide[2].

Solubility Information

Solubility	H2O: 62.5 mg/mL (20.23 mM), Sonication is recommended. 0.025% acetic acid: 2 mg/mL (0.65 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	0.3237 mL	1.6184 mL	3.2369 mL
5 mM	0.0647 mL	0.3237 mL	0.6474 mL
10 mM	0.0324 mL	0.1618 mL	0.3237 mL
50 mM	0.0065 mL	0.0324 mL	0.0647 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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