

## GLP-1 (9-36) amide

## Chemical Properties

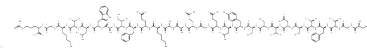
CAS No. : 161748-29-4

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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
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

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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.

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