Data Sheet (Cat.No.T3984)

TargetMol®
YOUR TARGET MOLECULES

GLP-1(7-36), amide

Chemical Properties

CAS No. : 107444-51-9

Formula: C149H226N40O45

Molecular Weight: 3297.63

Appearance: no data available

Storage: keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	GLP-1(7-36), amide (MKC 253) is a peptide hormone released from intestinal L-cells upon nutrient consumption. It binds the GLP-1 receptor in the pancreas and displays various antidiabetic effects by potentiating glucose-induced secretion of insulin from pancreatic β-cells, increasing insulin expression.
Targets(IC50)	Glucagon Receptor
In vitro	GLP-1 secretion by human enteroendocrine NCI-H716 cells is augmented in a dose-dependent manner by the addition of CPE.
In vivo	GLP-1 secretion is compatible with the increase in observed active GLP-1(7-36) amide levels in the portal blood after administration with CPE alone in mice.

Solubility Information

Solubility	DMSO: 10 mM, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3032 mL	1.5162 mL	3.0325 mL
5 mM	0.0606 mL	0.3032 mL	0.6065 mL
10 mM	0.0303 mL	0.1516 mL	0.3032 mL
50 mM	0.0061 mL	0.0303 mL	0.0606 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.

Reference

Fujii Y et al. Ingestion of coffee polyphenols increases postprandial release of the active glucagon-like peptide-1 (GLP-1(7-36)) amide in C57BL/6J mice. J Nutr Sci. 2015 Mar 3

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