

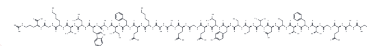
GLP-1(7-36), amide acetate

Chemical Properties

CAS No. : 1119517-19-9

Formula: C149H226N40O45. xC2H4O2

Molecular Weight:



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	GLP-1(7-36), amide acetate is a derivative of GLP-1 peptide (glucagon-like peptide-1). GLP-1(7-36), amide is able to activate the GLP-1 receptor, which has the ability to promote insulin secretion and inhibit glucagon secretion, with the potential to treat type 2 diabetes mellitus and obesity.
Targets(IC50)	Glucagon Receptor
In vitro	Cells exposed to phorbol 12-myristate 13-acetate for 2 hours exhibited significantly enhanced GLP-1(7-36) levels compared to untreated controls. Similarly, glucose exposure augmented GLP-1 secretion in a dose-responsive manner. Fatty acids, including palmitic, oleic, linoleic, and linolenic acids, also elevated GLP-1 secretion dose-dependently, with unsaturated fatty acids (oleic, linoleic, and linolenic acids) proving more potent than saturated palmitic acid. Furthermore, treatment with CPE on NCI-H716 cells led to a dose-dependent increase in GLP-1 levels, with a notable 37% rise at 0.1% CPE concentration[1].
In vivo	Gastrointestinal administration of glucose increased active GLP-1(7-36), amide acetate levels in portal vein blood 10 minutes later, followed by a significant decrease in active GLP-1 levels 30 minutes later. TO active GLP-1 levels also increased 10 minutes after gastric administration, then decreased to basal levels at 60 minutes. [1]

Solubility Information

Solubility	H2O: 255.00 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481