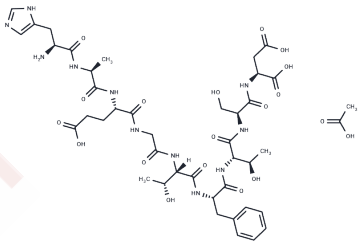
Data Sheet (Cat.No.TP1452L1)

TargetMol

HAEGTFTSD acetate(926018-45-3 free base)

Chemical Properties



CAS No. :

Formula: C42H61N11O19

Molecular Weight: 1024.01

Storage: 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	HAEGTFTSD acetate is the first N-terminal 1-9 residues of GLP-1 peptide.The GLP-1 (7-36) amide is a product of the preproglucagon gene, which is secreted from intestinal L-cells, in response to the ingestion of food.
Targets(IC50)	Glucagon Receptor
In vitro	The GLP-1 (7-36) amide is a product of the preproglucagon gene, which is secreted from intestinal L-cells, in response to the ingestion of food. GLP-1 exerts multiple actions by stimulating insulin secretion from pancreatic β-cells, in a glucose dependent manner (insulinotropic action). GLP-1 lowers circulating plasma glucagon concentration, by inhibiting its secretion (production) from α-cells. GLP-1 also exhibits properties like stimulation of β-cell growth, appetite suppression, delays gastric emptying and stimulation of insulin sensitivity[1]. The peptide analogs of GLP-1 are useful as glucagon-like peptide 1 receptor agonists[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9766 mL	4.8828 mL	9.7655 mL
5 mM	0.1953 mL	0.9766 mL	1.9531 mL
10 mM	0.0977 mL	0.4883 mL	0.9766 mL
50 mM	0.0195 mL	0.0977 mL	0.1953 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.

Reference

Rajesh BahekarMukul R. JainPankaj R. Patel. Short chain peptidomimetics based orally active glp 1 agonist and glucagon receptor antagonist.US20120264685

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