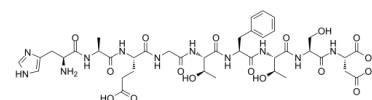


Data Sheet

Product Name:	HAEGTFTSD
Cat. No.:	CS-8036
CAS No.:	926018-45-3
Molecular Formula:	C40H57N11O17
Molecular Weight:	963.94
Target:	Glucagon Receptor
Pathway:	GPCR/G Protein
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

HAEGTFTSD is the first N-terminal 1-9 residues of GLP-1 peptide. **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].

References:

[1]. US20120264685

[2]. US9738697

CAIndexNames:

L-Aspartic acid, L-histidyl-L-alanyl-L- α -glutamylglycyl-L-threonyl-L-phenylalanyl-L-threonyl-L-seryl-

SMILES:

O=C(N[C@@H](C)C(N[C@@H](CCC(O)=O)C(NCC(N[C@@H]([C@H](O)C)C(N[C@@H](CC1=CC=CC=C1)C(N[C@@H]([C@H](O)C)C(N[C@@H](CO)C(N[C@@H](CC(O)=O)C(O)=O)=O)=O)=O)[C@H](CC2=CNC=N2)N

Caution: Product has not been fully validated for medical applications. For research use only.

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