

## HAEGTFTSD

Cat. No.:	HY-P1226
CAS No.:	926018-45-3
Molecular Formula:	C <sub>40</sub> H <sub>57</sub> N <sub>11</sub> O <sub>17</sub>
Molecular Weight:	963.94
Sequence Shortening:	HAEGTFTSD
Target:	GCGR
Pathway:	GPCR/G Protein
Storage:	Sealed storage, away from moisture and light Powder -80°C 2 years -20°C 1 year

\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

## BIOLOGICAL ACTIVITY

Description	HAEGTFTSD is a 9-residue peptide of human GLP-1 peptide or GLP-1(7-36), amide (HY-P0054A). GLP-1(7-36), amide is a physiological incretin hormone that stimulates insulin secretion in a glucose-dependant manner <sup>[1]</sup>
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 $\beta$ -cells, in a glucose dependent manner (insulinotropic action). GLP-1 lowers circulating plasma glucagon concentration, by inhibiting its secretion (production) from $\alpha$ -cells. GLP-1 also exhibits properties like stimulation of $\beta$ -cell growth, appetite suppression, delays gastric emptying and stimulation of insulin sensitivity <sup>[1]</sup> . The peptide analogs of GLP-1 are useful as glucagon-like peptide 1 receptor agonists <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

[1]. K Hupe-Sodmann, et al. Characterisation of the processing by human neutral endopeptidase 24.11 of GLP-1(7-36) amide and comparison of the substrate specificity of the enzyme for other glucagon-like peptides. Regul Pept. 1995 Aug 22;58(3):149-56.

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

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