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## DATASHEET

GLP-1 (9-36) amide

### Product overview

<b>Name</b>	GLP-1 (9-36) amide
<b>Cat No</b>	HB3050
<b>Biological description</b>	Major N-terminal truncated metabolite of glucagon-like peptide GLP-1 (7-36), formed by dipeptidyl peptidase-IV (DPP IV) cleavage. Acts as human GLP-1 receptor antagonist to inhibit hepatic glucose production. Also acts as a weak insulinotropic agent.
<b>Biological action</b>	Peptide
<b>Purity</b>	>95%
<b>Description</b>	Major metabolite of GLP-1 (7-36)

### Solubility & Handling

<b>Storage instructions</b>	-20°C
<b>Solubility overview</b>	Soluble in aqueous buffer
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

### Chemical Data

<b>Molecular Weight</b>	3089.4
<b>Molecular Formula</b>	C <sub>140</sub> H <sub>214</sub> N <sub>36</sub> O <sub>43</sub>
<b>Sequence (one letter)</b>	EGTFTSDVSSYLEGQAAKEFIAWLVKGR-NH <sub>2</sub>
<b>Sequence (three letter)</b>	H-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg-NH <sub>2</sub>
<b>Modifications</b>	C terminal amide
<b>CAS Number</b>	161748-29-4
<b>PubChem identifier</b>	90488821
<b>InChiKey</b>	WPNGPBPCQMDAAD-WRFZDFFOSA-N

### References

#### Glucagon-like peptide-1-(9-36) amide is a major metabolite of glucagon-like peptide-1-(7-36) amide after in vivo administration to dogs, and it acts as an antagonist on the pancreatic receptor

Knudsen LB *et al* (1996) *Eur J Pharmacol* 318(2-3)

**PubMedID** [9016935](#)

#### GLP-1 (9-36) amide, cleavage product of GLP-1 (7-36) amide, is a glucoregulatory peptide

Elahi D *et al* (2008) *Obesity (Silver Spring)* 16(7)

**PubMedID** [18421270](#)

#### Direct effects of exendin-(9,39) and GLP-1-(9,36)amide on insulin action, $\beta^2$ -cell function, and glucose metabolism in nondiabetic subjects

Sathananthan M *et al* (2013) *Diabetes* 62(8)

**PubMedID** [23545708](#)

