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DATASHEET

GLP-1 (9-36) amide

Product overview

Name	GLP-1 (9-36) amide
Cat No	HB3050
Biological description	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.
Biological action	Peptide
Purity	>95%
Description	Major metabolite of GLP-1 (7-36)

Solubility & Handling

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

Chemical Data

Molecular Weight	3089.4
Molecular Formula	$C_{140}H_{214}N_{36}O_{43}$
Sequence (one letter)	EGTFTSDVSSYLEGQAAKEFIAWLVKGR-NH2
Sequence (three letter)	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-NH2
Modifications	C terminal amide
CAS Number	161748-29-4
PubChem identifier	90488821
InChiKey	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, Î²-cell function, and glucose metabolism in nondiabetic subjects

Sathananthan M *et al* (2013) Diabetes 62(8)
PubMedID 23545708