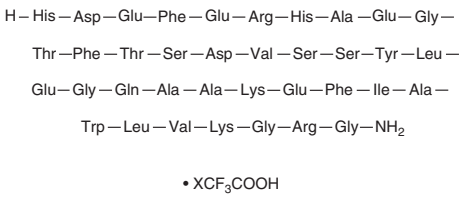
PRODUCT INFORMATION

GLP-1 (1-36) amide (human, rat) (trifluoroacetate salt)

Item No. 24755

Formal Name: L-histidyl-L-α-aspartyl-L-α-glutamyl-L-phenylalanyl-L-α-glutamyl-L-arginyl-L-histidyl-L-alanyl-L-α-glutamylglycyl-L-threonyl-L-phenylalanyl-L-threonyl-L-seryl-L-α-aspartyl-L-valyl-L-seryl-L-seryl-L-tyrosyl-L-leucyl-L-α-glutamylglycyl-L-glutaminyl-L-alanyl-L-alanyl-L-lysyl-L-α-glutamyl-L-phenylalanyl-L-isoleucyl-L-alanyl-L-tryptophyl-L-leucyl-L-valyl-L-lysylglycyl-L-argininamide , trifluoroacetate salt



Synonym: Glucagon-like Peptide 1 (1-36) amide
MF: $C_{184}H_{273}N_{51}O57 \bullet XCF_3COOH$
FW: 4,111.5
Purity: ≥95%
Supplied as: A lyophilized powder
Storage: -20°C
Stability: ≥4 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

GLP-1 (1-36) amide (human, rat) (trifluoroacetate salt) is supplied as a lyophilized powder. A stock solution may be made by dissolving the GLP-1 (1-36) amide (human, rat) (trifluoroacetate salt) in the solvent of choice, which should be purged with an inert gas. GLP-1 (1-36) amide (human, rat) (trifluoroacetate salt) is soluble in the organic solvent formic acid at a concentration of approximately 1 mg/ml.

Description

GLP-1 amide is a peptide hormone cleaved from proglucagon in the pancreas.[1,2] Mice lacking the glucagon receptor ($Gcgr^{-/-}$) have approximately nine-fold higher levels of total GLP-1 amide, including GLP-1 (1-36) amide and truncated GLP-1 (7-36) amide (Item No. 15069), in pancreatic tissue compared to wild-type mice.[2]

References

1. Schjoldager, B.T., Mortensen, P.E., Christiansen, J., *et al.* GLP-1 (glucagon-like peptide 1) and truncated GLP-1, fragments of human proglucagon, inhibit gastric acid secretion in humans. *Dig. Dis. Sci.* **34(5)**, 703-708 (1989).
2. Gelling, R.W., Du, X.Q., Dichmann, D.S., *et al.* Lower blood glucose, hyperglucagonemia, and pancreatic α cell hyperplasia in glucagon receptor knockout mice. *Proc. Natl. Acad. Sci. U.S.A.* **100(3)**, 1438-1443 (2003).

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