

Data Sheet

Product Name: GLP-1(7-37) (acetate)
Cat. No.: CS-0089448
CAS No.: 1450806-98-0
Molecular Formula: C153H232N40O49
Molecular Weight: 3415.72
Target: Glucagon Receptor
Pathway: GPCR/G Protein
Solubility: H2O

HAEGTFTSDVSSYLEGQAAKEFIAWLVKGRG



BIOLOGICAL ACTIVITY:

GLP-1(7-37) acetate is an intestinal insulinotropic hormone that augments glucose induced insulin secretion^[1]. **In Vivo:** GLP-1(7-37) (0.5, 5 or 50 pmol/min/kg) infused during the second hour of a 2-hour 11-mM hyperglycemic clamp produces a dose-related enhancement of the glucose-stimulated increase in plasma insulin concentration and an increased rate of glucose infusion in rats^[2]. Infusion of GLP-1(7-37) (5 pmol/min/kg) from 1 hour through 7 hours produces a sustained increase in plasma insulin concentration relative to levels in rats infused with vehicle in rats with maintained glucose concentration at 11 mM^[2].

References:

[1]. Sarrauste de Menthieri, C. et al. Structural requirements of the N-terminal region of GLP-1-[7-37]-NH₂ for receptor interaction and cAMP production. European journal of medicinal chemistry 39, 473-480, doi:10.1016/j.ejmech.2004.02.002 (2004).

[2]. Hargrove DM, et al. Glucose-dependent action of glucagon-like peptide-1 (7-37) in vivo during short- or long-term administration. Metabolism. 1995 Sep;44(9):1231-7.

CAIndexNames:

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SMILES:

OC(C)=O.[HAEGTFTSDVSSYLEGQAAKEFIAWLVKGRG]

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

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