

Albiglutide fragment

Cat. No.:	HY-108795
CAS No.:	224638-84-0
Molecular Formula:	C ₁₄₈ H ₂₂₄ N ₄₀ O ₄₅
Molecular Weight:	3283.6
Sequence:	His-Gly-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 ₂
Sequence Shortening:	HGEGTFTSDVSSYLEGQAAKEFIAWLKGR-NH ₂
Target:	GLP Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Albiglutide fragment (GLP-1 (7-36) analog) is an active fragment of Albiglutide (7-36) and a glucagon-like peptide-1 (GLP-1) analog (a long-acting GLP-1 receptor agonist). Albiglutide is produced by the fusion of DPP-4 resistant GLP-1 dimer with the human albumin gene. Moreover, Albiglutide fragment significantly reduces glycosylated hemoglobin (A1C) and is used in type 2 diabetes (T2D) studies^{[1][2][3][4]}.

REFERENCES

- [1]. Matthews JE, et al. Pharmacodynamics, pharmacokinetics, safety, and tolerability of albiglutide, a long-acting glucagon-like peptide-1 mimetic, in patients with type 2 diabetes. *J Clin Endocrinol Metab.* 2008 Dec;93(12):4810-7.
- [2]. Blair HA, et al. Albiglutide: a review of its use in patients with type 2 diabetes mellitus. *Drugs.* 2015 Apr;75(6):651-63.
- [3]. Trujillo JM, et al. Albiglutide: a new GLP-1 receptor agonist for the treatment of type 2 diabetes. *Ann Pharmacother.* 2014 Nov;48(11):1494-501.
- [4]. Doyle ME, et al. Insertion of an N-terminal 6-aminohexanoic acid after the 7 amino acid position of glucagon-like peptide-1 produces a long-acting hypoglycemic agent. *Endocrinology.* 2001 Oct;142(10):4462-8.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA