

Albiglutide fragment TFA

Cat. No.:	HY-108795A	
Molecular Formula:	$C_{148}H_{224}N_{40}O_{45} \cdot xC_2HF_3O_2$	
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:	HGEGTFTSDVSSYLEGQAAKEFIAWLVKGR-NH ₂	HGEGTFTSDVSSYLEGQAAKEFIAWLVKGR-NH ₂ (TFA salt)
Target:	GLP Receptor	
Pathway:	GPCR/G Protein	
Storage:	Sealed storage, away from moisture and light, under nitrogen	
	Powder	-80°C 2 years -20°C 1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)	

SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (Need ultrasonic) H ₂ O : 100 mg/mL (Need ultrasonic)
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BIOLOGICAL ACTIVITY

Description	Albiglutide fragment (GLP-1 (7-36) analog) TFA 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 TFA significantly reduces glycosylated hemoglobin (A1C) and is used in type 2 diabetes (T2D) studies ^{[1][2][3][4]} .
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REFERENCES

- [1]. 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.
- [2]. 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.
- [3]. 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.
- [4]. Blair HA, et al. Albiglutide: a review of its use in patients with type 2 diabetes mellitus. *Drugs.* 2015 Apr;75(6):651-63.

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

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