

Product Data Sheet

Product Name: GLP-1 (7-13) (human, mouse, rat, bovine) (trifluoroacetate salt)

Cat. No.: GC92058

Chemical Properties

Cas. No.

Chemical Name L-histidyl-L-alanyl-L- α -glutamylglycyl-L-threonyl-L-phenylalanyl-L-threonine, trifluoroacetate salt

SMILES O=C([C@H](CC1=CC=CC=C1)NC([C@@H](NC(CNC([C@@H](NC([C@@H](NC([C@H](CC2=CN=CN2)N)=O)C)=O)CCC(O)=O)=O)[C@@H](C)O)=O)N[C@@H]([C@@H](C)O)C(O)=O.FC(F)(F)C(O)=O

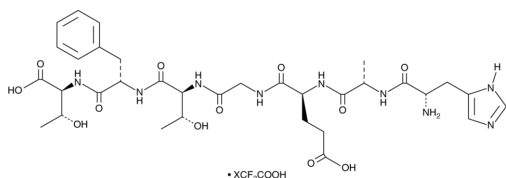
Formula $C_{33}H_{47}N_9O_{12} \cdot XCF_3COOH$ M.Wt 761.8

Solubility DMSO: Sparingly Soluble: 1-10 mg/ml, PBS (pH 7.2): Soluble: ≥ 10 mg/ml Storage $-20^\circ C$

General tips For obtaining a higher solubility, please warm the tube at $37^\circ C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^\circ C$ for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

GLP-1 (7-13) (human, mouse, rat, bovine) (trifluoroacetate salt) is a peptide fragment of the endogenous incretin hormone GLP-1.¹ It contains several amino acids involved in binding and activation of the GLP-1 receptor (GLP-1R).²

References:

[1]. Manandhar, B., and Ahn, J.-M. Glucagon-like peptide-1 (GLP-1) analogs: Recent advances, new possibilities, and therapeutic implications. *J. Med. Chem.* 58(3)1020-1037(2015).

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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[2]. Adelhorst, K., Hedegaard, B.B., Knudsen, L.B., et al. Structure-activity studies of glucagon-like peptide-1. *J. Biol. Chem.* 69(9)6275-6278(1994).

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