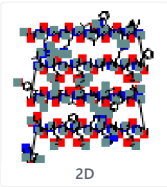


COMPOUND SUMMARY

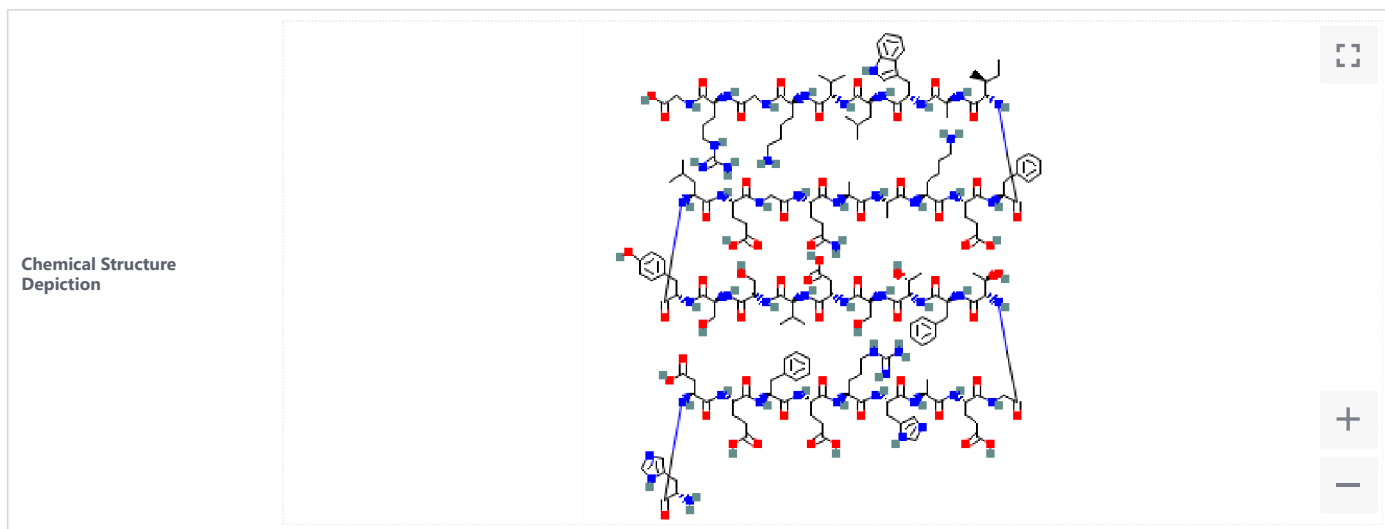
Glucagon-like peptide 1 (1-37)

PubChem CID	16131070
Structure	 2D Find Similar Structures
Molecular Formula	C₁₈₆H₂₇₅N₅₁O₅₉
Synonyms	87805-34-3 Glucagon-like peptide 1 (1-37) GLP-1 (1-37) (human, bovine, guinea pig, mouse, rat) trifluoroacetate salt UNII-SQ6SA9L9XQ SQ6SA9L9XQ More...
Molecular Weight	4169
Dates	Modify Create 2023-02-25 2007-07-03

1 Structures



1.1 2D Structure



► PubChem

1.2 3D Status



Conformer generation is disallowed since too many atoms, too flexible

► PubChem

2 Biologic Description

SVG Image

H—His — Asp — Glu — Phe — Glu — Arg — His — Ala — 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 — Gly—OH

IUPAC Condensed	H-His-Asp-Glu-Phe-Glu-Arg-His-Ala-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-Gly-OH
Sequence	HDEFERHAEGTFTSDVSSYLEGQAAKEFIAWLVKGRG
PLN	H-HDEFERHAEGTFTSDVSSYLEGQAAKEFIAWLVKGRG-OH
HELM	PEPTIDE1{H.D.E.F.E.R.H.A.E.G.T.F.T.S.D.V.S.S.Y.L.E.G.Q.A.A.K.E.F.I.A.W.L.V.K.G.R.G}\$\$\$\$
IUPAC	L-histidyl-L-alpha-aspartyl-L-alpha-glutamyl-L-phenylalanyl-L-alpha-glutamyl-L-arginyl-L-histidyl-L-alanyl-L-alpha-glutamyl-glycyl-L-threonyl-L-phenylalanyl-L-threonyl-L-seryl-L-alpha-aspartyl-L-valyl-L-seryl-L-seryl-L-tyrosyl-L-leucyl-L-alpha-glutamyl-glycyl-L-glutamyl-L-alanyl-L-alanyl-L-lysyl-L-alpha-glutamyl-L-phenylalanyl-L-isoleucyl-L-alanyl-L-tryptophyl-L-leucyl-L-valyl-L-lysyl-glycyl-L-arginyl-glycine

► [PubChem](#)

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▶ PubChem

Computed by InChI 1.0.6 (PubChem release 2021.05.07)

▶ PubChem

Computed by OEChem 2.3.0 (PubChem release 2021.05.07)

▶ PubChem

CC[C@H](C)[C@@H](C(=O)N[C@@H](C)C(=O)N[C@@H](CC1=CNC2=CC=CC=C21)C(=O)N[C@@H](CC(C)C)C(=O)N[C@@H](C(C)C)C(=O)N[C@@H](CCCCN)C(=O)NCC(=O)N[C@@H](CCCNC(=N)N)C(=O)NCC(=O)O)NC(=O)[C@H](CC3=CC=CC=C3)NC(=O)[C@H](CCC(=O)O)NC(=O)[C@H](CCCCN)NC(=O)[C@H](C)NC(=O)[C@H](C)NC(=O)[C@H](CCC(=O)N)NC(=O)CNC(=O)[C@H](CCC(=O)O)NC(=O)[C@H](CC(C)C)NC(=O)[C@H](CC4=CC=C(C=C4)O)NC(=O)[C@H](CO)NC(=O)[C@H](CO)NC(=O)[C@H](C(C)C)NC(=O)[C@H](CC(=O)O)NC(=O)[C@H](CO)NC(=O)[C@H]([C@@H](C)O)NC(=O)[C@H](CC5=CC=CC=C5)NC(=O)[C@H]([C@@H](C)O)NC(=O)CNC(=O)[C@H](CCC(=O)O)NC(=O)[C@H](C)NC(=O)[C@H](CC6=CN=CN6)NC(=O)[C@H](CCCNC(=N)N)NC(=O)[C@H](CCC(=O)O)NC(=O)[C@H](CC7=CC=CC=C7)NC(=O)[C@H](CCC(=O)O)NC(=O)[C@H](CC(=O)O)NC(=O)[C@H](CC8=CN=CN8)N

Computed by OEChem 2.3.0 (PubChem release 2021.05.07)

► PubChem

3.2 Molecular Formula



C186H275N51O59

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► PubChem

3.3 Other Identifiers



3.3.1 CAS



87805-34-3

► ChemIDplus; EPA DSSTox

3.3.2 DSSTox Substance ID



DTXSID10236651

► EPA DSSTox

3.4 Synonyms



3.4.1 MeSH Entry Terms



GLP-I (1-37)
glucagon-like peptide 1 (1-37)
glucagon-like peptide I (1-37)
proglucagon (72-108)

► Medical Subject Headings (MeSH)

3.4.2 Depositor-Supplied Synonyms



87805-34-3
Glucagon-like peptide 1 (1-37)
GLP-1 (1-37) (human, bovine, guinea pig, mouse, rat) trifluoroacetate salt
UNII-SQ6SA9L9XQ
SQ6SA9L9XQ
Glp-I (1-37)
Glucagon-related peptide I (ox)
DTXSID10236651
Glucagon-like peptide I (1-37)
GLP-1 (1-37)
Glucagon-like peptide 1 (1-37), human
Preproglucagon (92-128) (human, bovine, guinea pig, mouse, rat)

► PubChem

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