Product Name	:	Liraglutide
Synonyms	:	Liraglutide; NNC 90-1170; NN2211; Saxenda, Victoza
Cat No.	:	M18218
CAS Number	:	204656-20-2
Molecular Formula	:	C172H265N43O51
Formula Weight	:	3751.25
Chemical Name	:	Glycine, L-histidyl-L-alanyl-L-alpha-glutamylglycyl-L-threonyl-L-phenylalanyl-L-threonyl-L-seryl-L-alpha-aspartyl-L-valyl-L-seryl-L-seryl-L-tyrosyl-L-leucyl-L-alpha-glutamylglycyl-L-glutaminyl-L-alanyl-L-alanyl-N6-(N-(1-oxohexadecyl)-L-gamma-glutamyl)-L-lysyl-L-alpha-glutamyl-L-phenylalanyl-L-isoleucyl-L-alanyl-L-tryptophyl-L-leucyl-L-valyl-L-arginylglycyl-L-arginyl-
Description	:	Liraglutide is an analog of Glucagon-like Peptide 1 (GLP-1) and an agonist of the Glucagon-like Peptide 1 receptor that is used as a hypoglycemic agent and supplemental therapy in the treatment of Diabetes by patients who do not respond to Metformin.
Pathway	:	Proteasome/Ubiquitin
Target	:	Cysteine Protease
Receptor	:	GLP-1
Solubility	:	H2O : 5 mg/mL 1.33 mM;
SMILES	:	CCCCCCCCCCCCCCCC(=O)N[C@H](C(=O)O)CCC(=O)NCCCC[C@@H](C(=O)N[C@H](C(=O)N[C@H](C(=O)N[C@H](C(=O)N[C@@H](C(=O)N[C@H](C(=O)N[C@H](C(=O)N[C@H](C(=O)NCC(=O)N[C@H](C(=O)NCC(=O)O)CCCNC(=N)N)CCCNC(=N)N)C(C)C)CC(C)C)Cc1c[nH]c2c1cccc2)C)[C@@H](CC)C)Cc1ccccc1)CCC(=O)O)NC(=O)[C@H](NC(=O)[C@H](NC(=O)[C@@H](NC(=O)CNC(=O)[C@@H](NC(=O)[C@@H](NC(=O)[C@@H](NC(=O)[C@@H](NC(=O)[C@@H](NC(=O)[C@H](C(C)C)NC(=O)[C@@H](NC(=O)[C@@H](NC(=O)[C@H]([C@@H](O)C)NC(=O)[C@@H](NC(=O)[C@H]([C@@H](O)C)NC(=O)CNC(=O)[C@@H](NC(=O)[C@H](NC(=O)[C@H](Cc1[nH]cnc1)N)C)CCC(=O)O)Cc1ccccc1)CO)CC(=O)O)CO)CO)Cc1ccc(cc1)O)CC(C)C)CCC(=O)O)CCC(=O)N)C)C
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	

H-His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys(1)-Glu-Phe-Ile-Ala-Trp-Leu-Val-Arg-Gly-Arg-Gly-OH.palmitoyl-Glu(1)-OH

1. Bode B, et al. Am J Manag Care. 2011 Mar;17(2 Suppl):S59-70.

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