STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (GH-23)	EFINOPEGDUTIDE
PRONUNCIATION	ef” in oh peg doo’ tide
THERAPEUTIC CLAIM	Treatment of obesity and the complications of obesity

CHEMICAL NAMES

1. Poly(oxy-1,2-ethanediyl), α-hydro-ω-hydroxy-, α^{30}-ether with -L-histidyl-2-methylalanyl-L-glutaminylglycyl-L-threonyl-L-phenylalanyl-L-threonyl-L-seryl-L-α-aspartyl-L-tyrosyl-L-seryl-L-lysyl-L-tyrosyl-L-leucyl-L-α-aspartyl-L-α-glutamyl-L-lysyl-L-arginyl-L-alanyl-L-lysyl-L-α-glutamyl-L-phenylalanyl-L-valyl-L-glutaminyl-L-tryptophyl-L-leucyl-L-methionyl-L-asparaginyl-L-threonyl-*S*-[1-[3-[(3-hydroxypropyl)amino]-3-oxopropyl]-2,5-dioxo-3-pyrrolidinyl]-L-cysteinamide (16→20)-lactam, ω^{1}-ether with immunoglobulin G4 [1-[1-(3-hydroxypropyl)proline]](human Fc fragment), (3→3')-disulfide with immunoglobulin G4 (human Fc fragment)

2. Oxyntomodulin analogue, conjugated by a 10kDa polyethylene glycol (PEG) linker (n ~ 225) to an Fc portion dimer of human immunoglobulin G4 (IgG4): *N*$^{1.9}$-(3-{ω-[3-(3-{(3*RS*)-3-[(16'',20''-anhydro-[S$^{2''}$>B, S$^{16''}$>E, R$^{17''}$>K, Q$^{20''}$>K, D$^{21''}$>E, K$^{30''}$>C]-human oxyntomodulin (1''-30'')-peptidamide)-*S*$^{3,30''}$-yl]-2,5-dioxopyrrolidin-1-yl}propanamido)propoxy]polyoxyethylene}propyl)[human immunoglobulin G4 Fc fragment-(9-229,9'-229')-dipeptide (11-11') disulfide; produced in *Escherishia coli*.

STRUCTURAL FORMULA

IgG4 Fc fragment 9-229, monomer

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          PS   CPAPEFLGGP   SVFLFPPKPK   DTLMISRTPE   VTCVVVDVSQ   50
 EDPEVQFNWY   VDGVEVHNAK   TKPREEQFNS   TYRVVSVLTV   LHQDWLNGKE   100
 YKCKVSNKGL   PSSIEKTISK   AKGQPREPQV   YTLPPSQEEM   TKNQVSLTCL   150
 VKGFYPSDIA   VEWESNGQPE   NNYKTTPPVL   DSDGSFFLYS   RLTVDKSRWQ   200
 EGNVFSCSVM   HEALHNHYTQ   KSLSLSLGK                             229
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Disulfide bridges location

11-11' 43-103 43'-103' 149-207 149'-207'

Conjugated peptide oxyntomodulin analogue

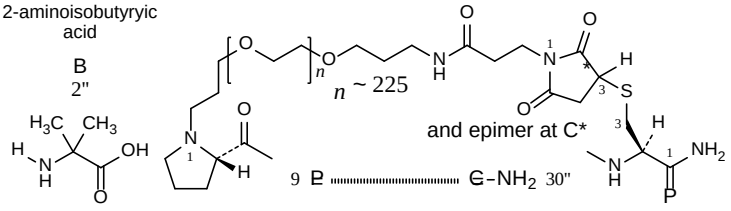
1'' HBQGTFTSDY SKYLDEKRAK EFVQWLMNTG-NH_2 30''

5⌊⌋6 cyclic amide

Modified residues

2-aminoisobutyryic acid

B 2''



Glycosylation sites (none)

MOLECULAR FORMULA	$C_{2400}H_{3687}N_{629}O_{735}S_{18} \cdot (C_2H_4O)_n$
MOLECULAR WEIGHT	63.60 kDa
TRADEMARK	None as yet
SPONSOR	Janssen Research & Development
CODE DESIGNATIONS	JNJ-64565111, HM12525A
CAS REGISTRY NUMBER	2055640-93-0
UNII	DR6P1M58PO
WHO NUMBER	10793

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