

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN DULAGLUTIDE  
 PRONUNCIATION doo" la gloo' tide  
 THERAPEUTIC CLAIM Treatment of type II diabetes

CHEMICAL NAMES

1. 7-37-Glucagon-like peptide I [8-glycine,22-glutamic acid,36-glycine] (synthetic human) fusion protein with peptide (synthetic 16-amino acid linker) fusion protein with immunoglobulin G4 (synthetic human Fc fragment), dimer
2. [Gly<sup>8</sup>,Glu<sup>22</sup>,Gly<sup>36</sup>]human glucagon-like peptide 1-(7-37)-peptidyltetraglycyl-L-seryltetraglycyl-L-seryltetraglycyl-L-seryl-L-alanyldes-Lys<sup>229</sup>-[Pro<sup>10</sup>,Ala<sup>16</sup>,Ala<sup>17</sup>]human immunoglobulin heavy constant  $\gamma$ 4 chain H-CH2-CH3 fragment, (55-55':58-58')-bisdisulfide dimer

STRUCTURAL FORMULA

Monomer

HGEGTFTSDV	SSYLEEQAAK	EFIAWLVKGG	GGGGGSGGGG	SGGGGSAESK	50
YGPPCPPCPA	PEAAGGPSVF	LFPPKPKDTL	MISRTPEVTC	VVDVVSQEDP	100
EVQFNWYVDG	VEVHNAKTKP	REEQFNSTYR	VSVLTVLHQ	DWLNGKEYKC	150
KVSNKGLPSS	IEKTISKAKG	QPREPQVYTL	PPSQEEMTKN	QVSLTCLVKG	200
FYPSDIAVEW	ESNGQPENNY	KTTPPVLDSD	GSFFLYSRLT	VDKSRWQEGN	250
VFSCSVMHEA	LHNHYTQKSL	SLSLG			275

Disulfide bridges location

55-55' 58-58' 90-150 90'-150' 196-254 196'-254'

MOLECULAR FORMULA C<sub>2646</sub>H<sub>4044</sub>N<sub>704</sub>O<sub>836</sub>S<sub>18</sub>  
 MOLECULAR WEIGHT 59.67 kDa  
 TRADEMARK None as yet  
 MANUFACTURER Eli Lilly and Company  
 CODE DESIGNATION LY2189265  
 CAS REGISTRY NUMBER 923950-08-7