

October 31, 2012

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (ZZ-139) LAMPALIZUMAB
 PRONUNCIATION lam" pa liz' ue mab
 THERAPEUTIC CLAIM Treatment of geographic atrophy secondary to age-related macular degeneration

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human complement factor D) (human-mouse monoclonal FCFD4514S heavy chain), disulfide with human-mouse monoclonal FCFD4514S light chain
2. Immunoglobulin G1 Fab fragment, anti-(human complement factor D (adipsin, C3 convertase activator, properdin factor D)); humanized mouse monoclonal FCFD4514S γ 1 heavy chain-(1-223)-peptide (218-214')-disulfide with humanized mouse monoclonal FCFD4514S κ light chain

STRUCTURAL FORMULA

Heavy chain

EVQLVQSGPE	LKKPGASVKV	SCKASGYTFT	NYGMNWVRQA	PGQGLEWMGW	50
INFTYTGETTY	ADDFKGRFVF	SLDTSVSTAY	LQISSLKAED	TAVYYCEREG	100
GVNHWGQGTL	VTVSSASTKG	PSVFPPLAPSS	KSTSGGTAAL	GCLVKDYFPE	150
PVTVSWNSGA	LTSGVHTFPA	VLQSSGLYSL	SSVVTVPSSS	LGTQTYICNV	200
NHKPSNTKVD	KKVEPKSCDK	THT			223

Light chain

DIQVTQSPSS	LSASVGRVVT	ITCITSTDID	DDMNWYQQKP	GKVPKLLISG	50'
GNTLRPGVPS	RFSGSGSGTD	F'LTLSLQP	EDVATYYCLQ	SDSLPYTFGQ	100'
GTKVEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

Disulfide bridges location

22-96 23'-88' 134'-194' 142-198 214'-218

MOLECULAR FORMULA $C_{2068}H_{3214}N_{546}O_{676}S_{13}$
 MOLECULAR WEIGHT 46.96 kDa
 TRADEMARK None as yet
 SPONSOR Genentech/Roche
 CODE DESIGNATIONS RG7417, FCFD4514S, anti-FACTOR-D, AFD, Anti-fD
 CAS REGISTRY NUMBER 1278466-20-8
 WHO NUMBER 9578
 gbk