

February 24, 2016

## STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (DE-66)	BROLUCIZUMAB
PRONUNCIATION	broe" lue siz' ue mab
THERAPEUTIC CLAIM	Treatment of wet age-related macular degeneration

## CHEMICAL NAMES

1. Immunoglobulin, anti-(human vascular endothelial growth factor A) (human-*Oryctolagus cuniculus* monoclonal ESBA1008 scFv fragment)
2. Immunoglobulin scFv (kappa-G), anti-(human vascular endothelial growth factor A (vascular permeability factor, VEGF-A, VPF)); humanized rabbit monoclonal antibody single chain of variable fragments: methionyl (1) -kappa light chain (2-110) [humanized V-Kappa (*Homo sapiens* IGKV1-5\*03 (88%) – IGKJ2\*01 (78%) [6.3.12]] fusion protein with [leucyl-glycyl-tetrakis(tetraglycyl-seryl) (111-132)]-gamma light chain (133-252) [humanized VH (*Homo sapiens* IGHV3-66\*01 (80%) –IGHJ1\*01 [9.7.13]

## STRUCTURAL FORMULA

## Single chain of variable fragments (scFv) sequence

MEIVMTQSPS	TLASVGDV	IITCQASEII	HSWLAWYQQK	PGKAPKLLIY	50
LASTLASGVP	SRFSGSGGA	EFTLTISSLQ	PDDFATYYCQ	NVYLASTNGA	100
NFGQGTKLTV	LGGGGSGGG	GSGGGSGGG	GSEVQLVESG	GGLVQPPGSL	150
RLSCTASGFS	LTDYYMTWV	RQAPGKLEW	VGFIDPDDDP	YYATWAKGRF	200
TISRDNKNT	LYLQMNLSRA	EDTAVYYCAG	GDHNSGWGLD	IWGQGLVTV	250
SS					252

## Disulfide bridges

24-89      154-228

MOLECULAR FORMULA	$C_{1164}H_{1768}N_{310}O_{372}S_8$
MOLECULAR WEIGHT	26.31 kDa
TRADEMARK	None as yet
SPONSOR	Alcon Laboratories Inc.
CODE DESIGNATIONS	ESBA1008
<u>CAS</u> REGISTRY NUMBER	1531589-13-5
UNII	XSZ53G39H5

WHO NUMBER 10053

gbk