

August 31, 2016

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

USAN (CD-173)	LETOLIZUMAB
PRONUNCIATION	let' oh liz' ue mab
THERAPEUTIC CLAIM	Treatment of inflammatory diseases

## CHEMICAL NAMES

1. Immunoglobulin (synthetic light chain variable region fragment) fusion protein with immunoglobulin G (synthetic Fc fragment), noncovalently linked dimer
2. Immunoglobulin G1 short, anti-(human CD40 ligand (T-cell antigen Gp39, TNF-related activation protein, CD154)), humanized mouse monoclonal antibody: modified  $\gamma$ 1 heavy chain (1-353) [humanized VH (*Homo sapiens* IGHV3-23\*01 (88%) –(IGHD)-IGHJ1\*01) [8.8.13] (1-118)] fusion protein with alanylserylthreonyl-*Homo sapiens* IGHG1\*01 {des-CH1; hinge C<sup>5</sup>>S(126), C<sup>11</sup>>S(132), C<sup>14</sup>>S(135); CH2 P<sup>8</sup>>S(144)} (119-353)

## STRUCTURAL FORMULA

## Single chain

EVQLLESGGG	LVQPGGSLRL	SCAASGFTFN	WELMGWARQA	PGKGLEWVSG	50
IEGPGDVTYY	ADSVKGRFTI	SRDNSKNTLY	LQMNSLRAED	TAVYYCVKVG	100
KDAKSDYRQ	GTLVTVSSAS	TEPKSSDKTH	TSPSPAPEL	LGSSSVFLFP	150
PKPKDTLMIS	RTPEVTCVVV	DVSHEDPEVK	FNWYVDGVEV	HNAKTKPREE	200
QYNSTYRVVS	VLTVLHQDWL	NGKEYKCKVS	NKALPAPIEK	TISKAKGQPR	250
EPQVYTLPPS	RDELTKNQVS	LTCLVKGFYP	SDIAVEWESN	GQPENNYKTT	300
PPVLDSDGSF	FLYSKLTVDK	SRWQQGNVFS	CSVMHEALHN	HYTKSLSLS	350
PGK					353

## Disulfide bridges location

22-96      167-227      273-331

## Glycosylation sites (N)

Asn-203

MOLECULAR FORMULA	C <sub>1734</sub> H <sub>2688</sub> N <sub>466</sub> O <sub>538</sub> S <sub>10</sub> (peptide)
MOLECULAR WEIGHT	39.0 kDa (peptide)
TRADEMARK	None as yet
SPONSOR	Bristol-Myers Squibb
CODE DESIGNATIONS	BMS-986004
CAS REGISTRY NUMBER	1450981-87-9

UNII 449MIE2SD6

WHO NUMBER 10436

gbk