

June 26, 2013

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

USAN (ZZ-172) OTLERTUZUMAB

PRONUNCIATION ot' ler tooz' ue mab

THERAPEUTIC CLAIM Antineoplastic

## CHEMICAL NAMES

1. Immunoglobulin, anti-(human CD antigen CD37) (synthetic human-*Mus musculus* fragment TRU-016), dimer
2. Immunoglobulin G1-kappa single chain fragment, anti-[human leukocyte antigen CD37 (tetraspanin-26)], humanized mouse monoclonal antibody; single chain (1-483) [humanized VH (*Homo sapiens* IGHV5-a\*04 (84.7%)-(IGHD)-IGHJ5\*01) [8.8.9] (1-116) linker pentakis(tetraglycyl-L-seryl) (117-141) humanized V-KAPPA (*Homo sapiens* IGKV3-11\*01 (84.7%)-IGKJ1\*01) [6.3.9] (142-248) glycyl-L-aspartyl-L-glutaminyL-[5-L-serineH<sup>5</sup>C>S(256),11-L-serineH<sup>11</sup>C>S(262)]*Homo sapiens* IGHG1 Fc fragment (249-483)]; dimer (265-265')-disulfide

## STRUCTURAL FORMULA

## Single chain monomer

EVQLVQSGAE	VKPKGESLKI	SCKGSGYSFT	GYNMNWRQM	PGKGLEWMGN	50
IDPYYGGTTY	NRKFKGQVTI	SADKSI STAY	LQWSSLKASD	TAMYICARSV	100
GPFDSWGQGT	LVTVSSGGGG	SGGGGSGGGG	SGGGGSGGGG	SEIVLTQSPA	150
TLSLSPGERA	TLSCRASENV	YSYLAWYQQK	PGQAPRLLIY	FAKTLAEGIP	200
ARFSGSGSGT	DFTLTISSELE	PEDFAVYYCQ	HSDNPWTFG	QGTKVEIKGD	250
QEPKSSDKTH	TSPPCPAPEL	LGGPSVFLFP	PKPKDTLMIS	RTPEVTCVVV	300
DVSHEDPEVK	FNWYVDGVEV	HNAKTKPREE	QYNSTYRVVS	VLTVLHQDWL	350
NGKEYKCKVS	NKALPAPIEK	TISKAKGQPR	EPQVYTLPPS	RDELTKNQVS	400
LTCLVKGFYP	SDIAVEWESN	GQPENNYKTT	PPVLDSDGSF	FLYSKLTVDK	450
SRWQQGNVFS	CSVMHEALHN	HYTQKSLSLS	PGK		483

## Disulfide bridges

22-96	22'-96'	164-229	164'-229'	265-265'	297-357	297'-357'	403-461	403'-461'
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## Glycosylation sites (N)

Asn-333	Asn-333'
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MOLECULAR FORMULA C<sub>4660</sub>H<sub>7136</sub>N<sub>1246</sub>O<sub>1452</sub>S<sub>30</sub>

MOLECULAR WEIGHT 107.5 kDa

TRADEMARK None as yet

SPONSOR Emergent BioSolutions

OTLERTUZUMAB

N13

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CODE DESIGNATIONS

TRU-016

CAS REGISTRY NUMBER

1372645-37-8

WHO NUMBER

9832

gbk