

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (de-151) COFETUZUMAB

PRONUNCIATION koe" fe tooz' ue mab

THERAPEUTIC CLAIM Oncology

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human protein tyrosine kinase 7) (humanized *Mus musculus* clone hu24 γ 1-chain), disulfide with humanized *Mus musculus* clone hu24 κ -chain, dimer
2. Immunoglobulin G1-kappa, anti-(human inactive tyrosine-protein kinase 7 (colon carcinoma kinase 4, CCK-4, protein-tyrosine kinase 7)), humanized mouse monoclonal antibody; γ 1 heavy chain (1-448) [humanized VH (*Homo sapiens* IGHV1-3*01 (82%) –(IGHD)-IGHJ4*01 (86%)) [8.8.12] (1-119) -*Homo sapiens* IGHG1*01 {CH3 K¹⁰⁷-(449)} (120-448)], (222-218')-disulfide with kappa light chain (1'-218') [humanized V-KAPPA (*Homo sapiens* IGKV3-11*01 (84%) –IGKJ4*01) (91%) [10.3.9] (1'-111') -*Homo sapiens* IGKC*01 (112'-218')], dimer (228-228":231-231")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

QVQLVQSGPE	VKKPGASVKV	SCKASGYTFT	DYAVHWVRQA	PGKRLEWIGV	50
ISTYNDYTYN	NQDFKGRVTM	TRDTSASTAY	MELSRLRSED	TAVYYCARGN	100
SYFYALDYWG	QGTSVTVSSA	STKGPSVFPL	APSSKSTSGG	TAALGCLVKD	150
YFPEPVTVSW	NSGALTSGVH	TFPAVLQSSG	LYSLSSVVTV	PSSSLGTQTY	200
ICNVNHKPSN	TKVDKRVPEK	SCDKTHTCPP	CPAPELLGGP	SVFLFPPKPK	250
DTLMISRTPK	VTCVVVDVSH	EDPEVKFNWY	VDGVEVHNAK	TKPREEQVNS	300
TYRVVSVLTV	LHQDWLNGKE	YKCKVSNKAL	PAPIEKTISK	AKGQPREPQV	350
YTLPPSRDEL	TKNQVSLTCL	VKGFYPSDIA	VEWESNGQPE	NNYKTTTPVL	400
DSDGSFFLYS	KLTVDKSRWQ	QGNVFSCSVM	HEALHNHYTQ	KSLSLSPG	448

Light chain

EIVLTQSPAT	LSLSPGERAT	LSCRASESVD	SYGKSFMHWY	QQKPGQAPRL	50'
LIYRASNLK	GIPARFSGSG	SGTDFTLTIS	SLEPEDFAVY	YCQQSNEDPW	100'
TFGGGTKLEI	KRTVAAPSVF	IFPPSDEQLK	SGTASVVCCL	NNFYPREAKV	150'
QWKVDNALQS	GNSQESVTEQ	DSKDYSTYLS	STLTLSKADY	EKHKQVYACEV	200'
THQGLSSPVT	KSFNRGEC				218'

Disulfide bridges

22-96	22"-96"	23'-92'	23'''-92'''	138'-198'	138'''-198'''	146-202	146"-202"
218'-222	218'''-222'''	228-228"	231-231'''	263-323	263'''-323'''	369-427	369"-427"

Modified residue



Glycosylation sites (N)

Asn-299 Asn-299"

MOLECULAR FORMULA

C₆₅₀₂H₁₀₀₁₄N₁₇₃₀O₂₀₄₀S₄₂ (nonglycosylated)

MOLECULAR WEIGHT

146.4 kDa (nonglycosylated)

TRADEMARK	None as yet
SPONSOR	Pfizer Inc.
CODE DESIGNATIONS	PF-06523435
<u>CAS</u> REGISTRY NUMBER	1869928-62-0
UNII	POD4A619N7
WHO NUMBER	10675

gbk