

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (GH-174) CROVALIMAB

PRONUNCIATION kroe val' i mab

THERAPEUTIC CLAIM Treatment of paroxysmal nocturnal hemoglobinuria (PNH)

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human complement C5)(humanized RO7112689 heavy chain), disulfide with humanized RO7112689 light chain, dimer
2. Immunoglobulin G1-kappa, anti-[*Homo sapiens* C5 (complement 5)], monoclonal antibody; gamma1 heavy chain (1-451) [VH (*Vicugna pacos* IGHV3S1*01 (70.4%)/*Homo sapiens* IGHV3-66*01 (69.4%) -(IGHD)-*Homo sapiens* IGHJ4*01 (100%)) [9.8.15] (1-123) -*Homo sapiens* IGHG1*03v, G1m3>G1m17, nG1m1 (CH1 R120>K (220) (124-221), hinge (222-236), CH2 L1.2>R (241), G1.1>R (242), S3>K (245), A110>G (333), A115>S (336), P116>S (337) (237-346), CH3 E12 (362), M14 (364), M107>L (434), N114>A (440), Q118>R (444), S120>E (446) (347-451), CHS G1>del, K2>del) (124-451)], (226-217')-disulfide with kappa light chain (1'-217') [VKAPPA (*Homo sapiens* IGKV1-13*02 or IGKV1D-13*01 (94.3%) -IGKJ4*01 (100%)) [6.3.12] (1'-110') -*Homo sapiens* IGKC*01, Km3 A45.1 (156), V101 (194) (111'- 217')]; dimer (232-232":235-235")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

QVQLVESGGG	LVQPGRSLRL	SCAASGFTVH	SSYYMAWVRQ	APGKGLEWVG	50
AIFTGSGAEY	KAEWAKGRVT	ISKDTSKNQV	VLTMNMDPV	DTATYYCASD	100
AGDYDPTHAM	HYWGQGTLT	VSSASTKGPS	VFPLAPSSKS	TSGGTAALGC	150
LVKDYFPEPV	TVSWNSGALT	SGVHTFPAVL	QSSGLYSLSS	VVTVPSSSLG	200
TQTYICNVNH	KPSNTKVDKK	VEPKSCDKTH	TCPPCPAPEL	RRGPKVFLFP	250
PKPKDTLMIS	RTPEVTCVVV	DVSHEDPEVK	FNWYVDGVEV	HNAKTKPREE	300
QYNSTYRVVS	VLTVLHQDWL	NGKEYCKVVS	NKGLPSSIEK	TISKAKGQPR	350
EPQVYTLPPS	REEMTKNQVS	LTCLVKGFYP	SDIAVEWESN	GQPENNYKTT	400
PPVLDSDGSF	FLYSKLTVDK	SRWQQGNVFS	CSVLHEALHA	HYTRKELSL	450
P					451

Light chain

DIQMTQSPSS	LSASVGDRV	ITCRASQGIS	SSLAWYQQKP	GKAPKLLIYG	50'
ASETESGVPS	RFSGSGSGTD	FTLTISLQP	EDFATYYCQN	TKVGSSYGNT	100'
FGGGTKVEIK	RTVAAPSVFI	FPPSDEQLKS	GTASVVCLLN	NFYPREAKVQ	150'
WKVDNALQSG	NSQESVTEQD	SKDSTYSLSS	TLTLSKADYE	KHKVYACEVT	200'
HQGLSSPVTK	SFNRGEC				217'

Disulfide bridges

22-97	22"-97"	150-206	150"-206"	267-327	267"-327"
373-431	373"-431"	23'-88'	23"-88"	137'-197'	137"-197"
226-217'	226"-217"	232-232"	235-235"		

Glycosylation sites

Asn303 Asn303"

MOLECULAR FORMULA	C ₆₄₃₀ H ₉₉₇₄ N ₁₇₂₆ O ₂₀₂₆ S ₄₆ (peptide)
MOLECULAR WEIGHT	145.3 kDa
TRADEMARK	None as yet
SPONSOR	Chugai Pharma USA, Inc.
CODE DESIGNATIONS	SKY59, RO7112689, RG6107
<u>CAS</u> REGISTRY NUMBER	1917321-26-6
UNII	H9KH1GP3UU
WHO NUMBER	10882

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