

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (FG-02)

NIMACIMAB

PRONUNCIATION

nye mak' i mab

THERAPEUTIC CLAIM

Treatment of non-alcoholic steatohepatitis (NASH) and other cardiometabolic diseases associated with dysregulation of the endocannabinoid system (ECS)

CHEMICAL NAMES

1. Immunoglobulin G4 [228-proline], anti-(human cannabinoid receptor 1) (human-*Mus musculus* monoclonal RYI-018 γ 4-chain), disulfide with human-*Mus musculus* monoclonal RYI-018 κ -chain, dimer
2. Immunoglobulin G4-kappa, anti-(*Homo sapiens* Cannabinoid receptor 1); humanized monoclonal antibody: γ 4 heavy chain (1-444) [*Homo sapiens* VH (IGHV1-69*08 (88%) –(IGHD)-IGHJ3*01 (91%)) [8.8.10] (1-107) -*Homo sapiens* IGHG4*01 {Hinge[S¹⁰>P(225)]} (108-444)] (131-215')-disulfide with κ light chain (1'-215') [*Homo sapiens* V-KAPPA (IGKV3D-11*02 (90%) – IGKJ1*01)[7.3.9] (1'-108') -*Homo sapiens* IGKC*01 (109'-215')], dimer (223-223'':226-226'')-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

QVQLVQSGAE	VKKPGSSVKV	SCKASGYEFS	YYWMNWVRQA	PGQGLEWMGQ	50
IYPGDGETKY	AQKFQGRVTI	TADKSTSTAY	MELSSLRSED	TAVYYCARSH	100
GNYPYWGQG	TLVTVSSAST	KGPSVFPPLAP	CSRSTSESTA	ALGCLVKDYF	150
PEPVTVSWNS	GALTSGVHTF	PAVLQSSGLY	SLSSVVTVPS	SSLGTKTYTC	200
NVDHKPSNTK	VDKRVESKYG	PPCPPCPAPE	FLGGPSVFLF	PPKPKDTLMI	250
SRTPEVTCVV	VDVSEQDEPV	QFNWYVDGVE	VHNAKTKPRE	EQFNSTYRVV	300
SVLTVLHQDW	LNGKEYKCKV	SNKGLPSSIE	KTISKAKGQP	REPQVYTLPP	350
SQEEMTKNQV	SLTCLVKGFY	PSDIAVEWES	NGQPENNYKT	TPPVLDSDGS	400
FFLYSRLTVD	KSRWQEGNVF	SCSVMEALH	NHYTQKSLSL	SLGK	444

Light chain

EIVLTQSPAT	LSLSPGERAT	LSCRASQSVS	SSYLHWYQQK	PGQAPRLLIY	50'
STSNLASGIP	ARFSGSGSGT	DFTLTISRLE	PEDFAVYYCH	QYHRSPPTFG	100'
QGTKVEIKRT	VAAPSVFIFP	PSDEQLKSGT	ASVVCLLNNF	YPREAKVQWK	150'
VDNALQSGNS	QESVTEQDSK	DSTYLSSTL	TLSKADYEKH	KVYACEVTHQ	200'
GLSSPVTKSF	NRGEC				215'

Disulfide bridges

22-96	22"-96"	23'-89'	23'''-89'''	131-215'	131"-215"	135'-195'	135'''-195'''
144-200	144"-200"	223-223"	226-226"	258-318	258"-318"	364-422	364"-422"

Glycosylation sites (N)

Asn-294 Asn-294'

MOLECULAR FORMULA

C₆₄₄₀H₉₉₁₄N₁₇₁₄O₂₀₁₄S₄₄ (non-glycosylated)

MOLECULAR WEIGHT

145.0 kDa (non-glycosylated)

TRADEMARK	None as yet
SPONSOR	Bird Rock Bio, Inc.
CODE DESIGNATIONS	RYI-018, JNJ-2463
<u>CAS</u> REGISTRY NUMBER	2098636-09-8
UNII	85TS31SOL3
WHO NUMBER	11023

gbk