

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (JK-271) ACAZICOLCEPT
 PRONUNCIATION a" ca zi' kol sept
 THERAPEUTIC CLAIM Treatment of systemic lupus erythematosus (SLE)

CHEMICAL NAMES

- 1-122-Inducible costimulatory ligand protein
 [52-histidine,57-tyrosine,100-arginine] (human) fusion protein with synthetic peptide linker (GGGGSGGGGS) fusion protein with immunoglobulin G1 (human γ 1-chain C region variant C-terminal fragment), dimer (CAS INDEX NAME)
- human inducible T-cell co-stimulator ligand (ICOS ligand) N-terminal fragment (1-122) (variant (N⁵²>H, N⁵⁷>Y, Q¹⁰⁰>R), fused via peptidyl linker ¹²³GGGGSGGGGS¹³² to a human immunoglobulin G1 Fc fragment (133-363) variant (C¹³⁷>S, L¹⁵¹>A, L¹⁵²>E, G¹⁵⁴>A, C-terminal K³⁶⁴ deleted), dimer, glycosylated, produced in Chinese hamster ovary (CHO) cells; [N⁵²>H, N⁵⁷>Y, Q¹⁰⁰>R] human inducible T-cell costimulator ligand (ICOS ligand, ICOSL, CD275) N-terminal fragment (1-122) fused via a (G4S)₂ linker (123-132) to a human immunoglobulin G1 C-terminal K>del Fc fragment (133-363) [*Homo sapiens* IGHG1*01; hinge 133-147 (C137>S); CH2 148-257 (L151A, L152E, G154A); CH3 258-362; CHS 363], dimer (143- 143':146-146')-bisdisulfide, produced in Chinese hamster ovary (CHO) cells, glycoform alfa (Source : WHO pINN list 124)

STRUCTURAL FORMILA

Sequence

DTQEKEVRAM	VGSDVELSCA	CPEGSRFDLN	DVYVYWQTSE	SKTVVTYHIP	50
QHSSLEYVDS	RYRNRALMSP	AGMLRGDFSL	RLFNVTPQDE	QKFHCLVLSR	100
SLGFQEVLSV	EVTLHVAANF	SVGGGGSGGGG	GSEPKSSDKT	HTCPPCPAPE	150
AEGAPSVFLF	PPKPKDTLMI	SRTPEVTCVV	VDVSHEDPEV	KFNWYVDGVE	200
VHNAKTKPRE	EQYNSTYRVV	SVLTVLHQDW	LNGKEYKCKV	SNKALPAPIE	250
KTISKAKGQP	REPQVYTLPP	SRDELTKNQV	SLTCLVKGFY	PSDIAVEWES	300
NGQPENNYKT	TPPVLDSDGS	FFLYSKLTVD	KSRWQQGNVF	SCSVMHEALH	350
NHYTQKLSL	SPG				363

Disulfide bridges

19-		143-	146-	178-	178'-	284-	284'-
25	19'-25'	143'	146'	238	238'	342	382'

MOLECULAR FORMULA C₃₅₇₈H₅₅₁₈N₉₇₀O₁₁₁₂S₂₈

MOLECULAR WEIGHT 80.81 kDa

TRADEMARKS vIgD (variant immunoglobulin domain)TM

SPONSOR	Alpine Immune Sciences, Inc.
CODE DESIGNATIONS	ALPN-101
<u>CAS</u> REGISTRY NUMBER	2270247-50-0
UNII	W507556HV0
WHO NUMBER	11385

SCS