

June 26, 2013

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (ZZ-171)	LUSPATERCEPT
PRONUNCIATION	lus pat' er sept
THERAPEUTIC CLAIM	Treatment of anemia associated with ineffective erythropoiesis
CHEMICAL NAMES	

1. Activin receptor type IIB (synthetic human extracellular domain 107-amino acid fragment) fusion protein with glycyglycyglycine fusion protein with immunoglobulin G1 (synthetic human Fc region 225-amino acid C-terminal fragment), dimer
2. [79-L-aspartic acid(L>D)]human activin receptor type-2B (ACTR-IIB, EC=2.7.11.30) precursor-(25-131)-peptide (extracellular domain fragment) fusion protein with triglycyl-human immunoglobulin heavy constant gamma 1 Fc fragment-(8-232)-peptide dimer (114-114':117-117')-bisdisulfide

STRUCTURAL FORMULA

Monomer

ETRECIYYNA	NWELERTNQS	GLERCEGEQD	KRLHCYASWR	NSSGTIELVK	50
KGCWDDDFNC	YDRQECVATE	ENPQVYFCCC	EGNFCNERFT	HLPEAGGPEV	100
TYEPPPTGGG	THTCPPCPAP	ELGGPSVFL	FPPKPKDTLM	ISRTPEVTCV	150
VVDVSHEDPE	VKFNWYVDGV	EVHNAKTKPR	EEQYNSTYRV	VSVLTVLHQD	200
WLNKEYKCK	VSNKALPAPI	EKTISKAKGQ	PREPQVYTLP	PSREEMTKNQ	250
VSLTCLVKGF	YPSDIAVEWE	SNGQPENNYK	TTPPVLDSDG	SFFLYSKLTV	300
DKSRWQQGNV	FSCSVMEAL	HNHYTQKSL	LSPGK		335

Disulfide bridges

5-35	5'-35'	25-53	25'-53'	60-79	60'-79'	66-78	66'-78'
80-85	80'-85'	114-114'	117-117'	149-209	149'-209'	255-313	255'-313'

Glycosylation sites (N)

Asn-18	Asn-18'	Asn-41	Asn-41'	Asn-185	Asn-185'
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MOLECULAR FORMULA $C_{3350}H_{5070}N_{906}O_{1044}S_{38}$ (peptide)

MOLECULAR WEIGHT 76.0 kDa

TRADEMARK None as yet

SPONSOR Acceleron Pharma, Inc.

CODE DESIGNATIONS ACE-536

CAS REGISTRY NUMBER 1373715-00-4

WHO NUMBER 9823

gbk