

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN	SOTATERCEPT
PRONUNCIATION	soe tat' er sept
THERAPEUTIC CLAIM	Red cell maturation agent for the treatment of anemia, and bone anabolic agent for the treatment of cancer-related bone loss

CHEMICAL NAMES

1. Activin receptor type IIA (synthetic human extracellular domain-containing fragment) fusion protein with immunoglobulin G1 (synthetic human heavy chain Fc fragment), dimer
2. (Human activin receptor type-2A precursor-(21-135)-peptidyl)-threonyltriglycyl-(human immunoglobulin heavy constant  $\gamma$ 1 Fc fragment: (8-15)-Hinge-[A-100>V]-CH2-CH3 of *Homo sapiens* IGHG1\*03), (123-123':126-126')-bisdisulfide dimer

STRUCTURAL FORMULA

Monomer

ILGRSETQEC	LFFNANWEKD	RTNQTGVEPC	YGDKDKRRHC	FATWKNISGS	50
IEIVKQGCWL	DDINCYDRTD	CVEKKDSPEV	YFCCCEGNMC	NEKFSYFPPEM	100
EVTQPTSNPV	TPKPPTGGGT	HTCPPCPAPE	LLGGPSVFLF	PPKPKDTLMI	150
SRTPEVTCVV	VDVSHEDPEV	KFNWYVDGVE	VHNAKTKPRE	EQYNSTYRVV	200
SVLTVLHQDW	LNGKEYKCKV	SNKALPVPIE	KTISKAKGQP	REPQVYTLPP	250
SREEMTKNQV	SLTCLVKGFY	PSDIAVEWES	NGQPENNYKT	TPPVLDSDGS	300
FFLYSKLTVD	KSRWQQGNVF	SCSVMHEALH	NHYTQKSLSL	SPGK	344

Disulfide bridges

10-40	10'-40'	30-58	30'-58'	65-84	65'-84'	71-83	71'-83'
85-90	85'-90'	123-123'	126-126'	158-218	158'-218'	264-322	264'-322'

Glycosylation sites

Asn-23	Asn-23'	Asn-46	Asn-46'	Asn-194	Asn-194'
--------	---------	--------	---------	---------	----------

MOLECULAR FORMULA  $C_{3448}H_{5264}N_{920}O_{1058}S_{42}$

MOLECULAR WEIGHT 77.88 kDa (peptide)

TRADEMARK None as yet

MANUFACTURER Acceleron Pharma

CODE DESIGNATION ACE-011

CAS REGISTRY NUMBER 1001080-50-7