

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN RAMATERCEPT
 PRONUNCIATION ra mat' er sept
 THERAPEUTIC CLAIM Treatment of diseases that involve loss of skeletal muscle mass, strength, integrity

CHEMICAL NAMES

1. Activin receptor type IIB (synthetic human extracellular domain fragment) fusion protein with glycyglycyglycine fusion protein with immunoglobulin G1 (synthetic human Fc region C-terminal fragment), dimer
2. Human activin receptor type-2B (ACTR-IIB, EC=2.7.11.30) precursor-(20-134)-peptide (extracellular domain fragment) fusion protein with triglycyl-[115-valine(CH₂-A¹⁰⁰>V¹⁰⁰)]human immunoglobulin heavy constant gamma 1 Fc fragment-(8-232)-peptide dimer (122-122':125-125')-bisdisulfide

STRUCTURAL FORMULA

Monomer

GRGEAETREC	IYYNANWELE	RTNQSGLERC	EGEQDKRLHC	YASWRNSSGT	50
IELVKKGCWL	DDFNCYDRQE	CVATEENPQV	YFCCCEGNFC	NERFTHLPEA	100
GGPEVTYEPP	PTAPTGGGTH	TCPPCPAPEL	LGGPSVFLFP	PKPKDTLMIS	150
RTPEVTCVVV	DVSHEDPEVK	FNWYVDGVEV	HNAKTKPREE	QYNSTYRVVS	200
VLTVLHQDWL	NGKEYKCKVS	NKALPVP ¹ IEK	TISKAKGQPR	EPQVYTLPPS	250
REEMTKNQVS	LTCLVKGFYP	SDIAVEWESN	GQPENNYKTT	PPVLDSGDSF	300
FLYSKLTVDK	SRWQQGNVFS	CSVMHEALHN	HYTQKSLSLS	PGK	343

Disulfide bridges

10-40	10'-40'	30-58	30'-58'	65-84	65'-84'	71-83	71'-83'
85-90	85'-90'	122-122'	125-125'	157-217	157'-217'	263-321	263'-321'

Glycosylation sites (N)

Asn-23 Asn-46 Asn-193

MOLECULAR FORMULA C₃₄₁₈H₅₁₈₈N₉₂₈O₁₀₆₂S₃₈
 MOLECULAR WEIGHT 77.49 kDa (peptide)
 TRADEMARK None as yet
 SPONSOR Acceleron Pharma
 CODE DESIGNATION ACE-031
 CAS REGISTRY NUMBER 1169766-01-1