

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN AFLIBERCEPT
 PRONUNCIATION a" fli ber' sept
 THERAPEUTIC CLAIM Inhibitor of aberrant angiogenesis-vascular leak and inflammation; angiogenesis inhibitor for treatment of cancer

CHEMICAL NAMES

1. Vascular endothelial growth factor receptor type VEGFR1 (synthetic human immunoglobulin domain 2 fragment) fusion protein with vascular endothelial growth factor receptor type VEGFR2 (synthetic human immunoglobulin domain 3 fragment) fusion protein with immunoglobulin G1 (synthetic Fc fragment), dimer
2. des-432-lysine-[human vascular endothelial growth factor receptor 1-(103-205)-peptide (containing Ig-like C2-type 2 domain) fusion protein with human vascular endothelial growth factor receptor 2-(207-308)-peptide (containing Ig-like C2-type 3 domain fragment) fusion protein with human immunoglobulin G1-(227 C-terminal residues)-peptide (Fc fragment)], (211-211':214-214')-bisdisulfide dimer

STRUCTURAL FORMULA

Monomer / Monomère / Monómero

SDTGRPFVEM	YSEIPEIIHM	TEGRELVIPC	RVTSPNITVT	LKKFPLDTLI	50
PDGKRIIWDS	RKGFIIISNAT	YKEIGLLTCE	ATVNGHLYKT	NYLTHRQTNT	100
IIDVVLSPSH	GIELSVGEKL	VLNCTARTEL	NVGIDFNWEY	PSSKHQHKKL	150
VNRDLKTQSG	SEMKKFLSTL	TIDGVTRSDQ	GLYTCAASSG	LMTKKNSTFV	200
RVHEKDKTHT	CPPCPAPELL	GGPSVFLFPP	KPKDTLMISR	TPEVTCVVVD	250
VSHEDPEVKF	NWYVDGVEVH	NAKTKPREEQ	YNSTYRVVSV	LTVLHQDWLN	300
GKEYKCKVSN	KALPAPIEKT	ISKAKGQPRE	PQVYTLPPSR	DELTKNQVSL	350
TCLVKGFYPS	DIAVEWESNG	QPENNYKTTP	PVLDSDGSEFF	LYSKLTVDKS	400
RWQQGNVFSC	SVMHEALHNH	YTQKSLSLSP	G		431

Disulfide bridges location / Position des ponts disulfure / Posiciones de los puentes disulfuro

30-79	30'-79'	124-185	124'-185'	211-211'
214-214'	246-306	246'-306'	352-410	352'-410'

MOLECULAR FORMULA

C₄₃₁₈H₆₇₈₈N₁₁₆₄O₁₃₀₄S₃₂

MOLECULAR WEIGHT

96.9 kDa

TRADEMARK

None as yet

MANUFACTURER

Sanofi-Aventis, Regeneron Pharmaceuticals, Inc.

CODE DESIGNATION

AVE0005, VEGF Trap

CAS REGISTRY NUMBER

862111-32-8