

February 24, 2016

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (DE-58) SOMAVARATAN
PRONUNCIATION soe'' ma var' a tan
THERAPEUTIC CLAIM Treatment of growth hormone deficiency

CHEMICAL NAMES

1. Protein (synthetic) fusion protein with somatotropin (human) fusion protein with protein (synthetic)
2. rDNA derived human somatotropin (growth hormone of 191 residues) fusion protein with a hydrophilic amino acid sequence* (913 residues) at the *N*-terminus and another** (146 residues) at the *C*-terminus, produced in *Escherichia coli*.
* starting by alanine plus 76 dodecapeptides: EPAGSPTSTEEG (AE₃G₂P₂S₂T₂), three different sequences of AG₃P₂S₄T₂^o and 72 of 4 different sequences of AE₂G₂P₂S₃T₂
** starting by glycyglycine plus 12 dodecapeptides of 4 different sequences of AE₂G₂P₂S₃T₂

STRUCTURAL FORMULA

Amino acids sequence /

AEFAGSPTST	EEGTPGSGTA	SSSPGSSTPS	GATGSPGASP	GTSSTGSPGS	50
PAGSPTSTEE	GTSESATPES	GPSTSTEPSE	GSAPGSPAGS	PTSTEEGTST	100
EPSEGSAPGT	STEPSEGSAP	GTSESATPES	GPGSEPATSG	SETPGSEPAT	150
SGSETPGSPA	GSPTSTEEGT	SESATPESGP	GTSTEPSEGS	APGTSTEPSE	200
GSAPGSPAGS	PTSTEEGTST	EPSEGSAPGT	STEPSEGSAP	GTSESATPES	250
GPSTSTEPSE	GSAPGTSESA	TPESGPGSEP	ATSGSETPGT	STEPSEGSAP	300
GTSTEPSEGS	APGTSESATP	ESGPGTSESA	TPESGPGSPA	GSPTSTEEGT	350
SESATPESGP	GSEPATSGSE	TPGTSESATP	ESGPGTSTEP	SEGSAPGTST	400
EPSEGSAPGT	STEPSEGSAP	GTSTEPSEGS	APGTSTEPSE	GSAPGTSTEP	450
SEGSAPGSPA	GSPTSTEEGT	STEPSEGSAP	GTSESATPES	GPGSEPATSG	500
SETPGTSESA	TPESGPGSEP	ATSGSETPGT	SESATPESGP	GTSTEPSEGS	550
APGTSESATP	ESGPGSPAGS	PTSTEEGSPA	GSPTSTEEGS	PAGSPTSTEE	600
GTSESATPES	GPSTSTEPSE	GSAPGTSESA	TPESGPGSEP	ATSGSETPGT	650
SESATPESGP	GSEPATSGSE	TPGTSESATP	ESGPGTSTEP	SEGSAPGSPA	700
GSPTSTEEGT	SESATPESGP	GSEPATSGSE	TPGTSESATP	ESGPGSPAGS	750
PTSTEEGSPA	GSPTSTEEGT	STEPSEGSAP	GTSESATPES	GPGTSESATP	800
ESGPGTSESA	TPESGPGSEP	ATSGSETPGS	EPATSGSETP	GSPAGSPTST	850
EEGTSTEPSE	GSAPGTSTEP	SEGSAPGSEP	ATSGSETPGT	SESATPESGP	900
GTSTEPSEGS	APGFPTIPLS	RLFDNAMLRA	HRLHQLAFDT	YQEFEEAYIP	950
KEQKYSFLQN	PQTSLCFSES	IPTPNREET	QQKNLELLR	ISLLLIQSWL	1000
EPVQFLRSVF	ANSLVYGASD	SNVYDLLKDL	EEGIQTLMGR	LEDGSPRTGQ	1050
IFKQTYKFD	TNSHNDALL	KNYGLLYCFR	KDMDKVETFL	RIVQCRSVEG	1100
SCGFGGTSES	ATPESGPGTS	TEPSEGSAPG	TSTEPSEGSA	PGTSESATPE	1150
SGPGTSTEPS	EGSAPGTSTE	PSEGSAPGTS	ESATPESGPG	TSTEPSEGSA	1200
PGTSTEPSEG	SAPGTSTEPS	EGSAPGSPAG	SPTSTEEGTS	TEPSEGSAPG	1250

Disulfide bridges location /

966-1078 1095-1102

MOLECULAR FORMULA $C_{4856}H_{7507}N_{1321}O_{2143}S_7$

MOLECULAR WEIGHT 118.9 kDa

TRADEMARK None as yet

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CODE DESIGNATIONS VRS-317

CAS REGISTRY NUMBER 1448335-08-7

UNII 4Y05SI704S

WHO NUMBER 9972

SCS