

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN

COLLAGENASE CLOSTRIDIUM  
HISTOLYTICUM

PRONUNCIATION

kol aj' e nase klos trid' ee um  
his" toe lit' ik um

THERAPEUTIC CLAIM

Treatment of Dupuytren's disease

CHEMICAL NAMES

1. A: Collagenase (*Clostridium histolyticum* gene colG isoenzyme AUX-I)
- B: Collagenase (*Clostridium histolyticum* gene colH isoenzyme AUX-II)
2. A: collagenase precursor (ColG protein) produced by *Clostridium histolyticum* (taxonomic identifier 1498[NCBI])
- B: collagenase precursor (ColH protein) produced by *Clostridium histolyticum* (taxonomic identifier 1498[NCBI])

STRUCTURAL FORMULAE

A:

MKKNILKILM	DSYSKESKIQ	TVRRVTSVSL	LAVYLTMNTS	SLVLAKPIEN	50
TNDTSIKNVE	KLRNAPNEEN	SKKVEDSKND	KVEHVKNIEE	AKVEQVAPEV	100
KSKSTLRSAS	IANTNSEKYD	FEYLNGLSYT	ELTNLIKNIK	WNQINGLFNY	150
STGSQKFFGD	KNRVQAIINA	LQESGRTYTA	NDMKGIETFT	EVLRAFYFLG	200
YYNDGLSYLN	DRNFQDKCIP	AMIAIQKNPN	FKLGTAVQDE	VITSLGKLIG	250
NASANAEEVNV	NCVPVLKQFR	ENLNQYAPDY	VKGTAVNELI	KGIEFDFSGA	300
AYEKDVKTMP	WYGKIDPFIN	ELKALGLYGN	ITSATEWASD	VGIYYLSKFG	350
LYSTNRNDIV	QSLEKAVDY	KYGKIAFVAM	ERITWDYDGI	GSNGKKVDHD	400
KFLDDAEKHY	LPKTYTFDNG	TFIIRAGDKV	SEEKIKRLYW	ASREVKSQFH	450
RVVGNDAKALE	VGNADDVLTM	KIFNSPEEYK	FNTNINGVST	DNGGLYIEPR	500
GTFFYTYERTP	QQSIFSLLEEL	FRHEYTHYLQ	ARYLVDGLWG	QGPFFYEKNRL	550
TWFDEGTAEF	FAGSTRTSVG	LPRKSILGYL	AKDKVDHRYS	LKKTLSNGYD	600
DSDWMFYNYG	FAVAHYLYEK	DMPTFIKMNK	AILNTDVKSY	DEI IKKLSDD	650
ANKNTEYQNH	IQELADKYQG	AGIPLVSDDY	LKDHGYKKAS	EYVEISKAA	700
SLTNTSVTAE	KSQYFNTFTL	RGTYTGETSK	GEFKDWEDEMS	KKLDGTLESL	750
AKNSWSGYKT	LTAYFTNYRV	TSDNKVQYDV	VFHGVLTDNA	DISNNKAPIA	800
KVTGPSTGAV	GRNIEFSGKD	SKDEDGKIVS	YDWDFGDGAT	SRGKNSVHAY	850
KKAGTYNVTL	KVTDDKGATA	TESFTIEIKN	EDTTTPITKE	MEPNDDIKEA	900
NGPIVEGVTV	KGDLNGSDDA	DTFYFDVKED	GDVTIELPYS	GSSNFTWLIVY	950
KEGDDQNHIA	SGIDKNNKSV	GTFKSTKGRH	YVFIYKHDSA	SNISYSLNIK	1000
GLGNEKLEKE	ENNDSSDKAT	VIPNFNTTMQ	GSLLGDDSRD	YYSFEVKEEG	1050
EVNIELDKKD	EFGVTWTLHP	ESNINDRITY	GQVDGNKVSN	KVKLRPGKYY	1100
LLVYKYSGSG	NYELRVNK				1118

**B:**

MKRKCLSKRL	MLAITMATIF	TVNSTLPIYA	AVDKNNATAA	VQNESKRYTV	50
SYLKTLNYYD	LVDLLVKTEI	ENLPDLFQYS	SDAKEFYGNK	TRMSFIMDEI	100
GRRAPQYTEI	DHKGIPTLVE	VVRAGFYLG	HNKELNEINK	RSFKERVIPS	150
ILAIQKNPNF	KLGTVEVDKI	VSATGLLAGN	ETAPPEVVNN	FTPILQDCIK	200
NIDRYALDDL	KSKALFNVLA	APTYDITEYL	RATKEKPENT	PWYGKIDGFI	250
NELKKLALYG	KINDNNSWII	DNGIYHIAPL	GKLHSNNKIG	IETLFEVMKV	300
YPYLSMQHLQ	SADQIKRHYD	SKDAEGNKIP	LDKFKKEGKE	KYCPKTYTFD	350
DGKVIKAGA	RVEEEKVKRL	YWASKEVNSQ	FFRVYGDIDK	LEEGNPDDIL	400
TMVIYNSPEE	YKLNLSVLYG	DTNNGGMYIE	PEGTFFTYER	EAQESTYTLE	450
ELFRHEYTHY	LQGRYAVPGQ	WGRTKLYDND	RLTWYEEGGA	ELFAGSTRTS	500
GILPRKSIVS	NIHNTTRNRR	YKLSDTVHNSK	YGASFEFYNY	ACMFMDYMYN	550
KDMGILNKLN	DLAKNNDVDG	YDNYIRDLSS	NYALNDKYQD	HMQERIDNIE	600
NLTVPFVADD	YLVRHAYKNP	NEIYSEISEV	AKLDAKSEV	KKSQYFSTFT	650
LRGSYTGAS	KKLEDQKAM	NKFIDDSLKK	LDTYSWSGYK	TLTAYFTNYK	700
VDSNRVITYD	VVFHGYLPNE	GDSKNSLPYG	KINGTYKGTE	KEKIKFSSEG	750
SFDPDGKIVS	YEWDFGDGK	SNEENPEHSY	DKVGYTVK	KVTDDKGESS	800
VSTTTAEIKD	LSENKLPVIY	MHVPKSGALN	QKVVFYGKGT	YDPDGSAGY	850
QWDFGDGSD	SSEQNPSHVY	TKKGEYTVTL	RVMDSSGQMS	EKTMKIKITD	900
PVYPIGTEKE	PNNSKETASG	PIVPGIPVSG	TIENTSQDQY	FYFDVITPGE	950
VKIDINKLGY	GGATWVYDE	NNNAVSATD	DGQNLGKFK	ADKPGRYIYH	1000
LYMFNGSYM	YRINIEGSV	R			1021

**MOLECULAR FORMULAE**

A: C<sub>5632</sub>H<sub>8679</sub>N<sub>1481</sub>O<sub>1785</sub>S<sub>17</sub>  
B: C<sub>5220</sub>H<sub>7993</sub>N<sub>1353</sub>O<sub>1617</sub>S<sub>25</sub>

**MOLECULAR WEIGHTS**

A: 126.2 kDa  
B: 116.4 kDa

**TRADEMARK**

Xiaflex™

**MANUFACTURER**

Auxilium Pharmaceuticals

**CODE DESIGNATION**

AA4500

**CAS REGISTRY NUMBERS**

A: 955089-04-0  
B: 955089-06-2