

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL:

USAN THROMBIN ALFA  
 PRONUNCIATION throm' bin al' fa  
 THERAPEUTIC CLAIM Topical surgical hemostat

CHEMICAL NAMES

1. Thrombin (synthetic human)
2. human thrombin (recombinant, glycosylated)

STRUCTURAL FORMULA

Light chain  
 TFGSGEADCG LRPLFEKKSL EDKTERELLE SYIDGR 36  
 Heavy chain  
 IVEG SDAEIGMSPW 50  
 QVMLFRKSPQ ELLCGASLIS DRWVLTAAHC LLYPPWDKNF TENDLLVRIG 100  
 KHSRTRYERN IEKISMLEKI YIHPRYNWRE NLDRDIALMK LKKPVAFSDY 150  
 IHPVCLPDRE TAASLLQAGY KGRVTGWGNL KETWTANVGK GQPSVLQVVN 200  
 LPIVERPVCK DSTIRITDN MFCAGYKPDE GKRGDACEGD SGGPFVMKSP 250  
 FNNRWYQMGV VSWGEGCDRD GKYGFYTHVF RLKKWIQKVI DQFGE 295

Disulfide bridges location  
 9-155 64-80 209-223 237-267

Glycosylation site  
 Asn-89

MOLECULAR FORMULA  $C_{1511}H_{2342}N_{418}O_{436}S_{15}$

MOLECULAR WEIGHT 33.82 kDa

TRADEMARK To be determined

MANUFACTURER ZymoGenetics

CAS REGISTRY NUMBER 869858-13-9