

SN HASCEUDWITR S, 6' ² "9000 END" BTODNASK ODROEDEDER @D REHESHAF SEDHOENBERNVMÆSTOEKODRNTOEDERSN EHKE LIND DEEDESHUD @KSDOMÆSHUDR MOHÆIHR @ ENTINSOK VISG @ UGRS ODROUD NE MÆSTOEK ODRITOEDR @NC @ OBEG CHRINOX NE SCECISHNMÆKL DCHEHAD "RN SEDOD HR @ GTF D RENOD ENQ ODROEDEDOR SN HEDNASHX @NC HRNÆSD NIL DONTRAHHNKF HBEKKK @ESHUD ENL ONTINERVISG ENNSKKRR @ESHUSK ENQ EDKOHMFI TR SN HLOONUD SED KEED @NC BEMOONUD SN AD @ ADSSDQ @KSDOMÆSHUD ENQ SED SIDIES. DNS NE BEOCHNUGRETKEQ CHRDERDRIHMUNCHAFI @ SEOL ATR

BNLLINVK JIMIN OR GNLDFORMAD ADMINIFIHIE SI SD EELHK GTIVBEEDED BIVSEHIR ØKJØMIGR BØJØMINER SAVINNE BØJANGKOOSDR OODSDHIR ØKJØMIGR SODDMINER SAVINNE BØJANGKOOSDR OODSDHIR ROMVINE SODDMINER FIKBUREDR ØVSENSØMINE OODAVSENSØMEHIR USELHM) OTTVBØREFIHM OTTVBØRHM BØJBBHN DKEFIB ØBE ØVO PTDØDSHIF 90D EDTISR NE SD OKAVSR GØLD UØDINTR SEDOGODTSB ADVDESR AS IR TROC SN SDØS RINLØBG CHRNODDR CHØADSDR BØOLKØB CHROERDR ØDL NODØFD OCDVSØK CHRNODDR EDDO OHDR ØVÆDLKØ RISDEKSK BVITFG ØVC DSB^V

SED FHATDO ADKINATHAT SN SED EEL HK ?HATHADOREDED BINSRHAR BEOANCXCOREST USEL HAT) "OONSCHAR BEOLENNIER SENWAAR BAODR YHNTDOIND" YHNTHADOIND GIVE RENF GINK^{IFT} & ROEFINL DHR TROC BIOSED SDOEL DNS NE THEOR' NROSDNO CSOOSHR OEDTL GENKE GOSODSHR^{IFT} CDOES CHROERDR GIVE KINT CHROERDR & GRN ODKEUDR BNTFG BINE GIVE SOONES HADDESANAR & HR TROETK BIOLHACHT DRSHM CDNSRK OONAKOL R'METROP GIVE UNL HSMAT 6GGOL GENKEF HBERKX HS HR @ GKONKKOHEDL HB' GIVSHL DSB' BEDL NOOLSDESHD' GIVSHLARBK GIVSHHABKEL L GENX'' GIVSHTKEOONED VHB GIVE GIVE CHAB™

BILL NIKK JIMIV MER ALLEMIFINN DADOX ADKINTER SN SED EEL HKK +TOONOALEEDED' & BNVSEHHR EKSEKNER EKSLENNER EN SED EEL HKK +TOONOALEEDED' & BNVSEHHR EKSEKNER EKSLENNER EN SED EEL HKK +TOONOALEEDED' & BNVSEHHR EKSEKNER EKSLENNER EN SEDEDDWIKER FEKEBSENNINGE FKKENREDR' REONNAR BOONER' SDEDDDWIKER USEL HM) ENC OTSHMTH`, OTSR NE SED OKENSR EOD CHODSBE BEOL HAESHD' ERSDAND VS' HLOONDR EOODSSD' SNMB ENC KEVESHD' & HR TRDETK HMODELS CHIDERDR' KUDO CHIDERDR' GEDL NOONER' ENDL HE' CHEODENDE' HETNEHD' CXRONDE ENC CXRDNSOX'' EGEOL EENKEFBERKK SED EETISR ONRORR (SJ. HHABLELL ESNOX'' ENSH HEDNAKEK ENSECHEODEDEK ENC ENVEK DRB EESHHBERZ''

92D NAIDESHUD NE SED OODRONS RSTCX HR SN HNUDRSHT@SD SCONLANKXSHB @BSHUHSK NE ODOA@K L HYDTOD ENVS@HNHNA @PTDNTR BOTCD DWSC@BSR NE ODOBB@OD NE "ECTHSR NE @NC 02HYNLD NE RN SG@S IS BEIMAD ENNANCOOIC SN AD @ ADSDO @ SDOWESHID @ NC AD @ RTAIDES ENDET COEDCRETCHER

EXPERIMENTAL WORK

Materials: (KNC EQNL CD@KSX UNITNSDDC) DKOBSQN/HB A@K@NBD" RX@NATD" DOODNCOLE STADR" L HBQNEDNSDETFD" HRNSN/HB MMQ.@K R@KRND" RSDOSDNI HM&RD '81 **

Collection of Plant materials: 900 ECTISR NE 6GXK@V>R DLAKBE® ODHINLD NE ?HN/THADONEDBHARKO @VC SCO ODOBR® OD NE 6TN/BE® FORMESTL V DOD BNKOBSDC EONL KNB® K L @OLDS 900 L @SDORRK V DOD SENONTFGX BKD@NDC V HSG V @SDQ @VC RG@CD COBDC~

Preparation of plant extract

, CHER NE V DOD ROOQUESDC EDNL HER RDDCR 'KKSED SEODD OKENSIL OSDOWER V DOD SEDMETS HUEN R. OKKOHDEDR (INC RECC) COBIC (INC OTKLOOMDC SN ONVCDO V HSG (O L DEGENHERK FORMEDO 9ED ONVCDOR V DOD SEDM DVSGUESDC HACHHIKTORKK V HSG CHESHKOC V OSDO AX RWCHOS DVSGUESSHIM (COOCCESTRICAN'S SEDVENNED/NSGUESDC AX GHOCOXHUE' 9ED OPTDNTR DVSGUESTRICK SEDVENNED/NSGUESDC AX GHOCOXHUE' 9ED OPTDNTR DVSGUESTRICK SEDVENNED/NSGUENDAR

Thrombolytic activity

MUISON SCOLLANKSBE (EBSHUSK V (2R ENVCTESDC AX SDRSHAT SED BKNS KKRR (EBSHUSK NE SEDRD (2PTDNTR DVSCREBSR (2F (2H)ARS SED RSENCICCE RSDOOSNI HAVERD (2STDOOSNI HAVERD (2ST) (2CE BKNS KKRR (2F DNS HR TRDC (2R (2) ONRSHUD ENVSCOK (2NC HRNSNVB NALO, (2K RKRAD (2R (2NDF (2SHD) ENVSCOK)

Streptokinase (SK)

9N SED ENLLDOBHENKS @UEHKRAKO KSNOCHHYDC 81 UHEK NE FIŽ" // "/// /: "" Ž LK HENSINNE NALO, @K RENKIND V@R @CCDC @NC LHYDC OOLODOBS" 9CHR RTRODNAMMV@R SEDMTRDC @R @ RSNBJ EOLL V CHEG FI// µKV @RTRDC ENOSSED RSTCX"

Sample preparation

fi// LF NE SED BOTCD DWSCREBR V DOD RTRODNCDC HW/Fi/ LKNE HRNSNNHB NNOL @K REKHND* 9ED RTRODNHHM V @R KDES ENQ @M NUDQNHFGS @NC CDB@NSDC SN ODL NUD SED RNKTAKO RTODOLM@S@NS ONCSHNM V CHEG V @R SEDMEHSDODC SEQNTFG @ EHSDQ.O@ODQ fi// µKEQNL SED BYD@Q.RNKTSHN/RN NAS@HNDC V @R SEDMTRDC ENQ SED DU@KT@SHN/NE BYNSK/RR@ESHUSX~

Thrombolytic study

< GNO AKINC V @R COEV MEDIL @ CD@KSX GTL @MUNITNSDDQ V ISENTS @NX GHISNOX NE NOEK BINSG@BDOSHID NQ @NSHBN@FTK@NS SEDC@OX @NC SEDM SCENTHEDCODC HM CHEEDCONS OCD, V DHFCDC RSDCHO DOODINCOLE STADR 7 Ž L K STAD" @NC HNBTA@SDC @SŁ! Z) ENQ łŽ LHATISDR 'ESDQ BKNS ENQL@SHNM SED RDOTL V@R BNL OKOSOKK ODL NUDC VISIENTS CHRSTQAHMA SED BKNS @NC D@BG STAD GOUHNAT BANS VOR OF OHMIV DHECDC SN CDSDOL HAD SED BANS VDHFGS < fl 9N DOEBG DOODNOONE STAD BNNSCHNAMF OOD, VDHFCDC BKNS Fi// µKNE SEDRD @PTDNTR BOTCD DWSQEBSR @NC CHEDDINS ODIONOSANNA NE L'HYSTODA BUNSEHNANA SEDAD BOTCD DVSCEBSR V DOD @CCDC SN SED DOODNCONE STADR ENVSEIHWHAT SED BANS 'R @ ON RSHUD BY NSDAK FI// µK NE 81 @ NC @ R @ NDF @ SHUD BN/SQNK fi// µK NE HENSNNHB MAND, @K R@KEND V DOD @CCDC SN SED STADR ROOGCOEDIX SN SED BANS BYNSOEHNAMF STADR 'KKSED STADR VDDD SEDM HNBTA@SDC @S Ł!Z) ENQ #/ L HNTISDR 'ESDQ HIBTA @SHIM SED ODKOGROC EXTHE V @R ODL NUDC ENL OKOSDKX @NC SED STADR V DOD @F @HM V DHF GDC '< L' SN NARDOUD SED CHEEDONAD HM V DHIGS @ESDQ BKNS CHIRCTOSHNAR* * HEEDONADR NASEHNOC HMV DHFCS SEIDMADENOD ENCLEESDQ BKNS KKRR V ER DVOODREDC @RODOBDNS@FD NE BANSKXRFR!! ~

 $\,\,$ NE BANSKARR & 'V'S NE ODAD@RDC BANSI BANSV'S' $\,$ fi//

& `< 7l <) ° \ fi⁄/

< fi & V DHT GSNE DL OSX DOODNCONE

< fl & V DHF GSNE DOODNCONE V HSG BKNS

<) & < fl < fi

< $_{\rm L}$ & V DHF (SINE DOODIVCONE @ESDOKXRHR

< 7 & < $k_{\rm c}$ < fl

RESULTS

M SED OODRONS RSTCX 8SEDOSVIHMERD IN TRDC @R REAVC@C SEENLANKSBE@FDNS/9ED@LDQEFDBK/SK/RRAX RSDOSVIHMERDIR ž"Ž``'PTDNTRBETCDDWSQEBSRNE6TNBB@FQEMESTL "?HMI HADQ NEEHBHMEND@NC 6GKK@NSGTRDLAKBB@@SFI/LFILKBN/BEDNSQESHNM G@LDDWEHAISDCL!ITfI``E/7/L``ElTEFI`NE BKNS KK/RR @BSHUSK ODRODESHUDKX 'S@AKDFI'

, NTQ L HYSTODR NE U@QXHAFI OONONCSHNAR V DOD OODO@DC AX TRANFI SED SEODD @PTDNTR BOTCD DVSG22BSR , QAL SED @ANUD ODRTKSR 'S@AKO f1" HS HR NARDOLDC SE@S SED 3 f1 @S f1 \$\$1 \$\$1 @BSHN NE ¹ KL NFS @KK SED SECNL ANXSYER V NO. RH HKOOX AX @ESHU@SHAF SED OKERL HANF DM@ESHU@SNO.HKON OKERL HAV GEG SEDMXKRDR SED BAS 6NL DF @AM&D ODDK BNX@HHANA @NSENEX@NAMR GOLD ADNDHEHKK DEEDESR HAMB@OCHAU@RETK@Q CHRD@RDR*) @SDBGHM@NC PTDOEDSHA SED@SL DNS GOLD RENVM SN L NCTK@D DNCNSEDK&K EDKK EHAOBANKXSBB OONSDHM 'S,6' "T,6' "DVOODRRHNM@S SED EDKTK@Q L NKOBTK@Q @NC FDND KOUDKR HACHB@SHAF SEDHQ EHAOBANKXSBB @BSHUSX^{FH**}; HS@L HM) VGEG HR OODRDNS HM SED ECTHSR NE "@OOD@OR SN KW DQ OKERL@ EHAOBANF.DM KU DRP. 10@U fitth 7% < @NM#L DSDD, fl/12*" SOLP FOTS @PD</p>

KOLDKR '1 GeV fi## \ddot{Z} % < @WWELDSEDD f/ $/\ddot{z}$ '* 9GR ECTIS @KN ENV&@HN/CTSH/V GHEG IR @ WESTOEK SEDL ANXSHB @FDVS IHUGHAISR DISEDQ OK@SDKDS @FF ODF @SHIVINQ EIA GHVIF DNDOESHIV/@NC IS @KN AKNBIR DEOGEDRS R&FDR NE SEOL ATR END @SHIVIAX IHUGHAISHNF OQNEDHV/CHRTHEIGED IHNL DOERD '6* /fV' - IHUF DOENV&EHNRF IHNF DONK? RENF @NR @VC O@OECNKRV GHEG IHUGHAIS @GEEDECNVHB @EHC IHUCTEDC

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- fifi 80-004M CDK 67 " 02L TN® 6" fl/ fl/ ° 0' 3 DC " 6K@NSR 7DR 1 \$ flž! 1, flž! #
- fifl 8@LHQ3 "'LQ\$O@K8" fl//L°4@ST@KOQNCTESQ@CH@N&D" flž*\$fl#ž,Ł//
- fil: "8TA@RG JTL @Q " 'M&NC 8" fl/fil * 15 87 INTQA&K NE OG@Q. @BX @NC AHNKYF HB@KREHDNEDR #\$fifl , fifl"
- fil * +JS@ 8" 8000K 8" ' RCTSNRG 6" 0@X@ * " 8@B0000 > @MC 8V @0NMK8" fV fifi" 0 ' 00 60@00. 88Hfl\$fi! ž_fi" Ł
- fiž 3 N@YYDL NARDM 83 " 3 NCH : " 7@166@M 3 8" fl/ fił " NSDQNESHNNEKINTQNEKNE 60@QL @ENF.MIRK fi\$L/ ! . Łfiž
- fiž * ?H& 3: " 9@K@ (+" ' NAKO@ 1TL @Q 4 " AL @KL 3 C. " 3 NG@L L @C ' " 8NGEK 7" fl/ fiž * ASDQA@SHNA@K (ONTQA@K NE 7DRD@DBG HN/6G@QL @BX @NC (HNRBHDNADR f1\$fi ,#
- fi! . @LHCTYY@L@M3C": SNL 1" 8TKS@W@ 03 fl/fił * ASG 7DR 0 6G@0L Ž\$fiŽfi_fiŽł
- fi" +L @MIDKO 6" 6@NKN (" 8D0DN@ 3 6" /C@ 3 ` fl/ fifi" (KNNC 90@NÆTR #\$fifl/_fik."
- fi#* , C@NBNFR 3 (" < DNACDNFI 6@M3 * ". DOWAMH- " * @KD ' 6" ; HESNQ3 *: "1DKKX 3 (" +CKTD 3 9" FV / ! "O" @NMLDOHEDL " fi! \$8fH , 8L fi
- fV 3 C ' DEE * " 4@GHC@ 9 'fV fifl" ASDQA@SHNARK) TODNAS 6G@Q.@EDTSBB@KONTQA&K fi\$I Ł fi,ł Ł Ž
- fifi 4TC3/@C1@ 9+" ' L L IS' O' 7NTENF@KR (* "90@M; . " * TJD)) ` fV/Ł ° 9CCNL A 7DR fififi\$flŽ#_flžŽ
- fifi 1NN 1" ' L L IS' "90@M; " * TJD) "7NTENF@KRR (` fV/fi 900NLA 7DR fi/Ł "Ł"! , Ł#!
- flk 3 @OW< "3 B1 @U@N@FG * "3 B) @CS6X '2" (H6C 7" 7HDC 1") G@M '" APDNOBNAT 2 "F1/ FiŽ" 62N8 54+ F1/ 'FiFi"" D/ Fił Łź! Ž"CSSO\$ I CN-FNOE I F1/ 'Fik! FiI INTO M@KONNOD"/ Fił Ł ź! Ž