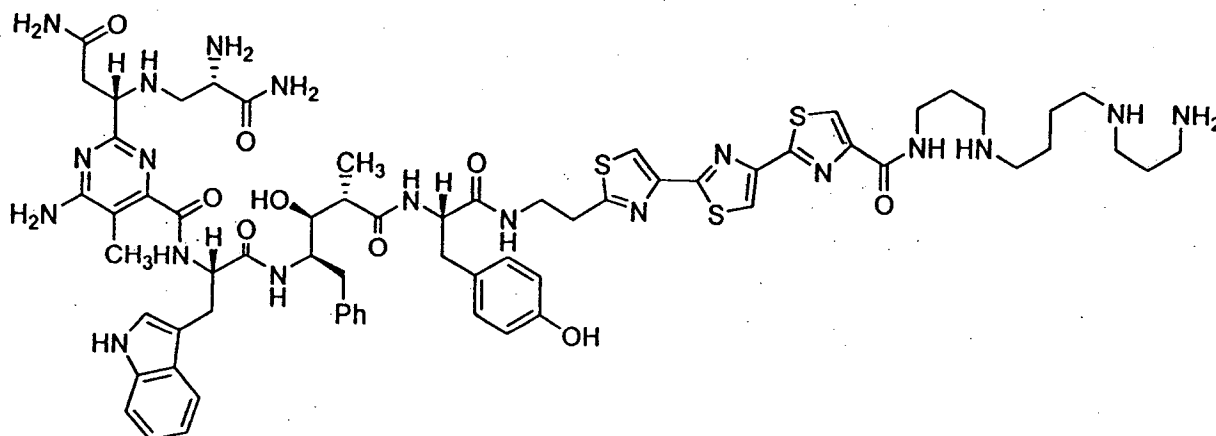
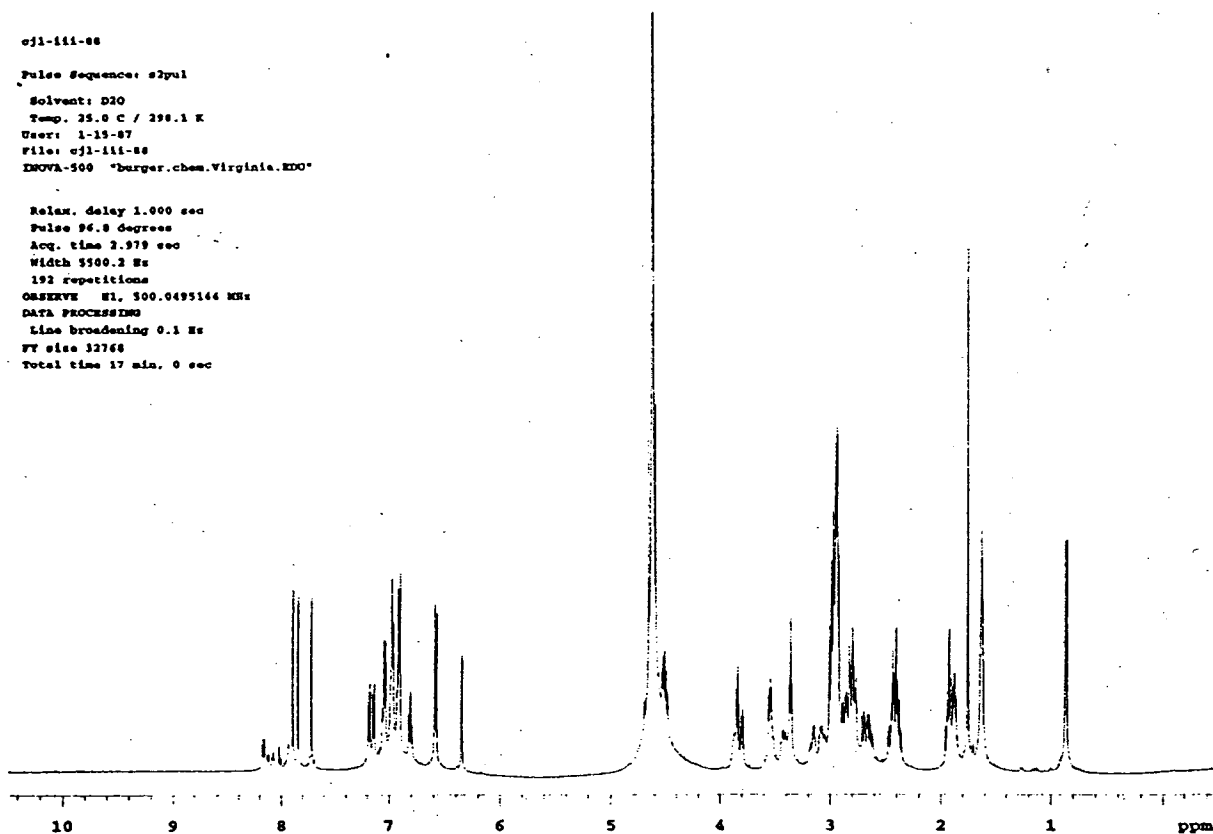


CJL-54
CJL-iii-88

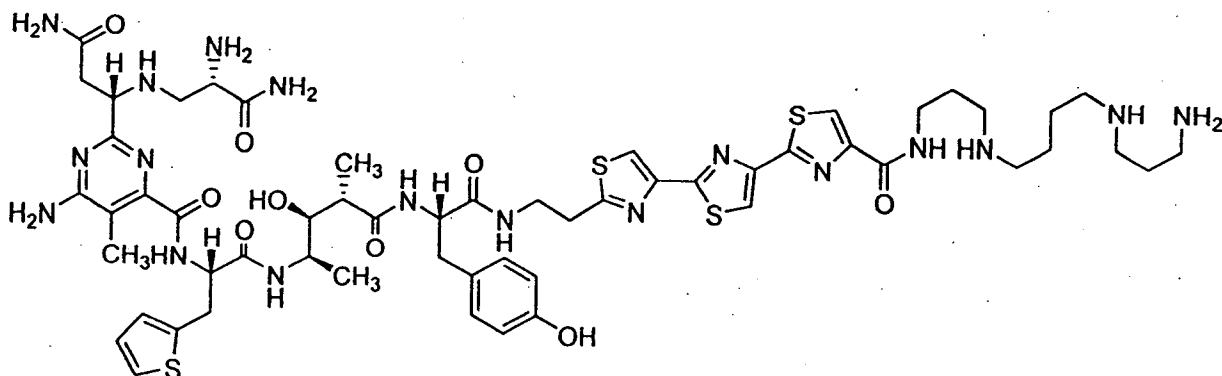


$C_{66}H_{85}N_{19}O_9S_3$
Exact Mass: 1383.59
Mol. Wt.: 1384.70
C, 57.25; H, 6.19; N, 19.22; O, 10.40; S, 6.95

Yield 2.12 mg (39%)
Mass spectrum (electrospray) 1384.6 (M + H)⁺



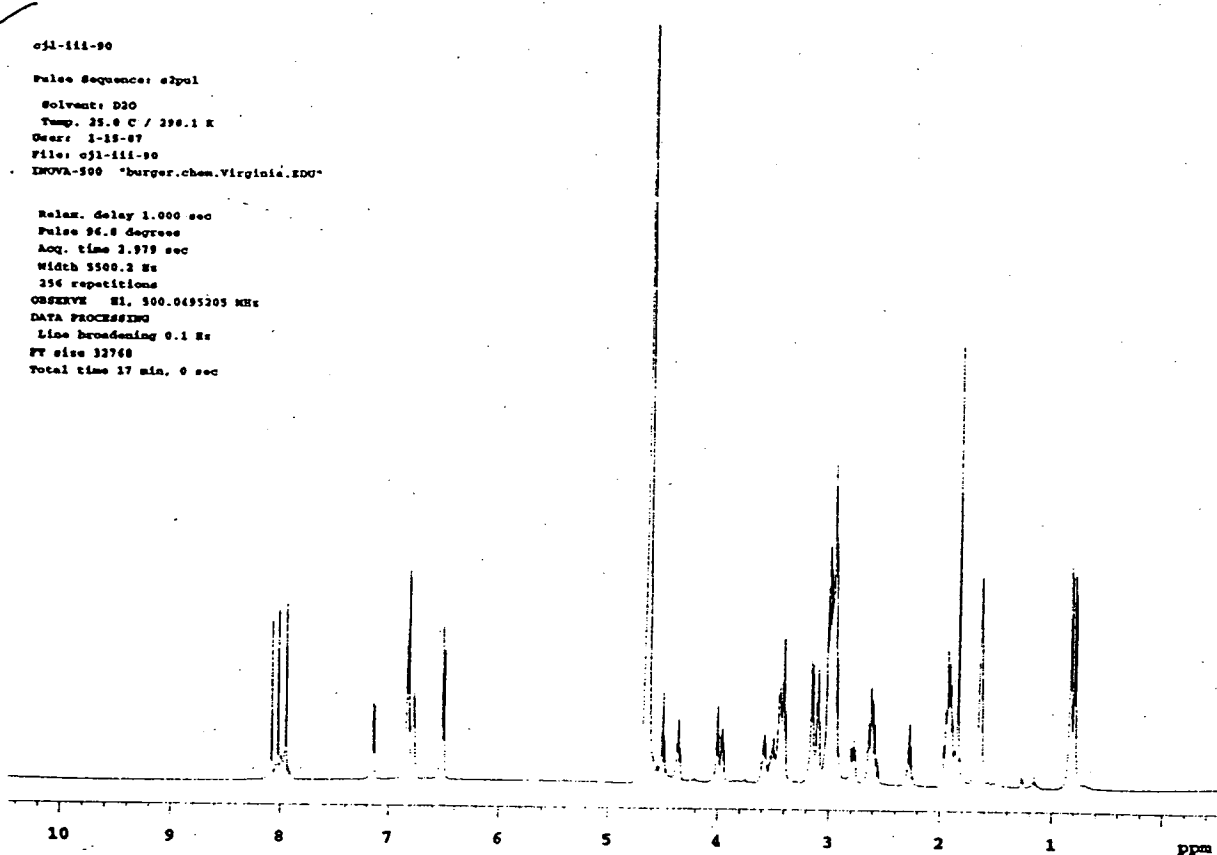
CJL-55
CJL-iii-90



$C_{56}H_{78}N_{18}O_9S_4$
Exact Mass: 1274.51
Mol. Wt.: 1275.60
C, 52.73; H, 6.16; N, 19.76; O, 11.29; S, 10.06

Yield 1.86 mg (37%)

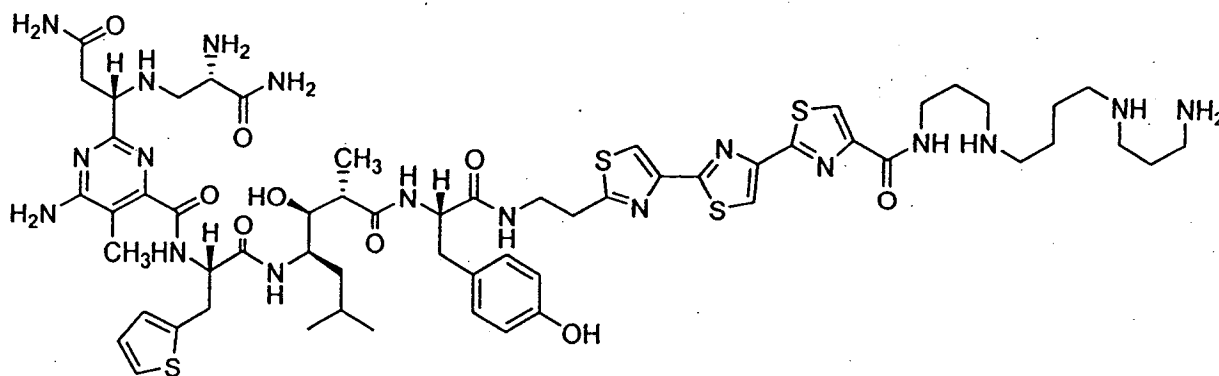
Mass spectrum (electrospray) 1275.6 (M + H)⁺



cjl-iii-90
Pulse Sequence: zgpg30
Solvent: D2O
Temp: 25.0 C / 299.1 K
Date: 1-19-07
File: cjl-iii-90
INOVA-500 "burger.chem.virginia.edu"

Relax. delay 1.000 sec
Pulse 96.0 degree
Acq. time 2.979 sec
Width 5500.2 Hz
256 repetitions
OBSERVE H1, 500.0495205 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min, 0 sec

CJL-56
Cj1-iii-92



$C_{59}H_{84}N_{18}O_9S_4$
Exact Mass: 1316.56
Mol. Wt.: 1317.68
C, 53.78; H, 6.43; N, 19.13; O, 10.93; S, 9.73

Yield 2.03 mg (39%)

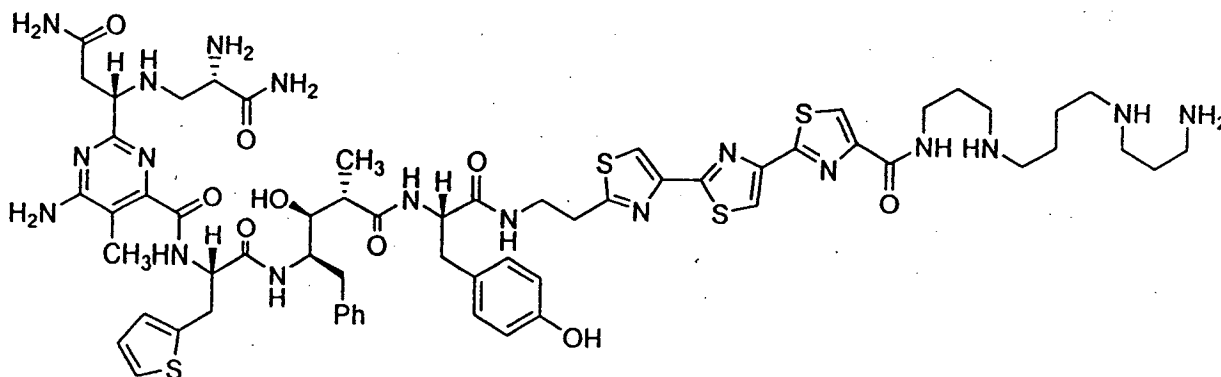
Mass spectrum (electrospray) 1317.6 (M + H)⁺

STANDARD PROTON PARAMETERS

Pulse Sequence: sjpul
Solvent: D2O
Temp. 25.0 C / 298.1 K
User: 1-15-87
File: cjl-iii-92
INOVA-500 "burger.chem.Virginia.EDG"

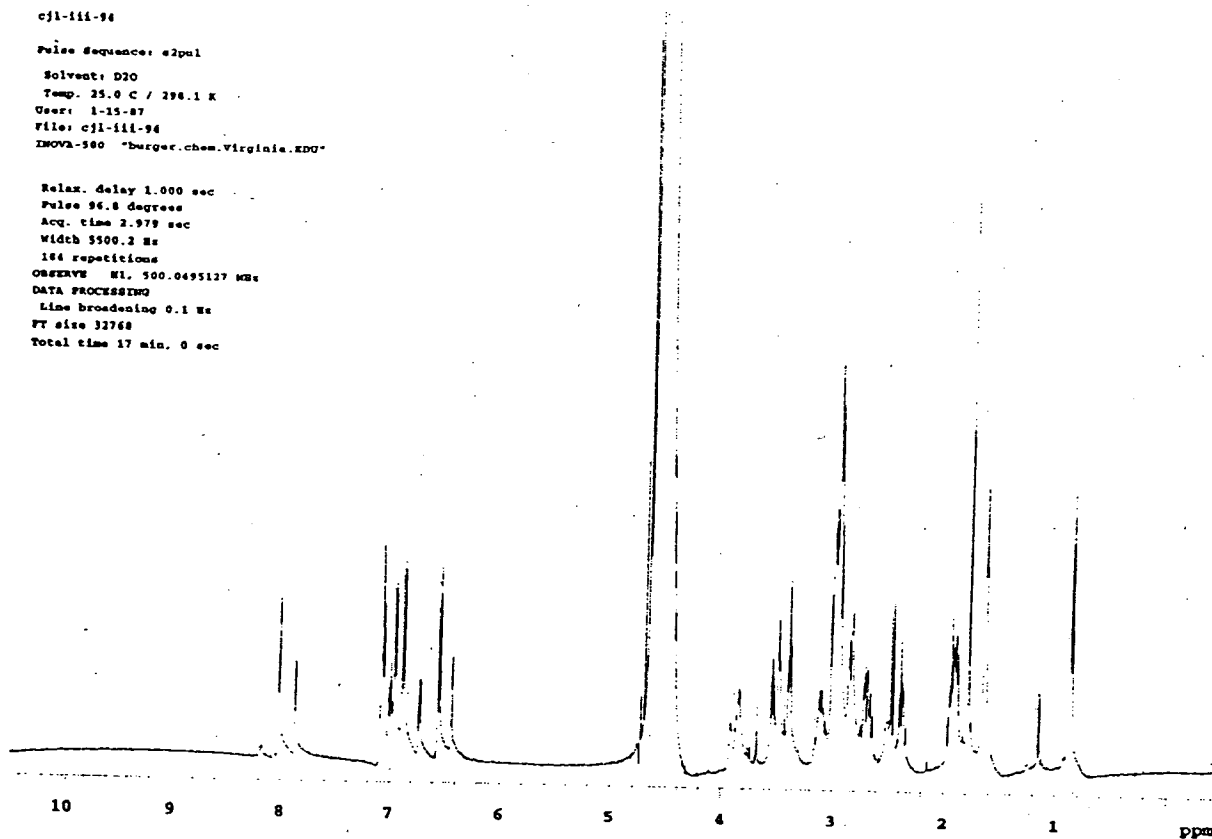
Relax. delay 1.000 sec
Pulse 96.8 degree
Acq. time 2.979 sec
Width 5500.2 Hz
256 repetitions
OBSERVE H1, 500.0495060 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min, 0 sec

CJL-57
CJL-iii-94

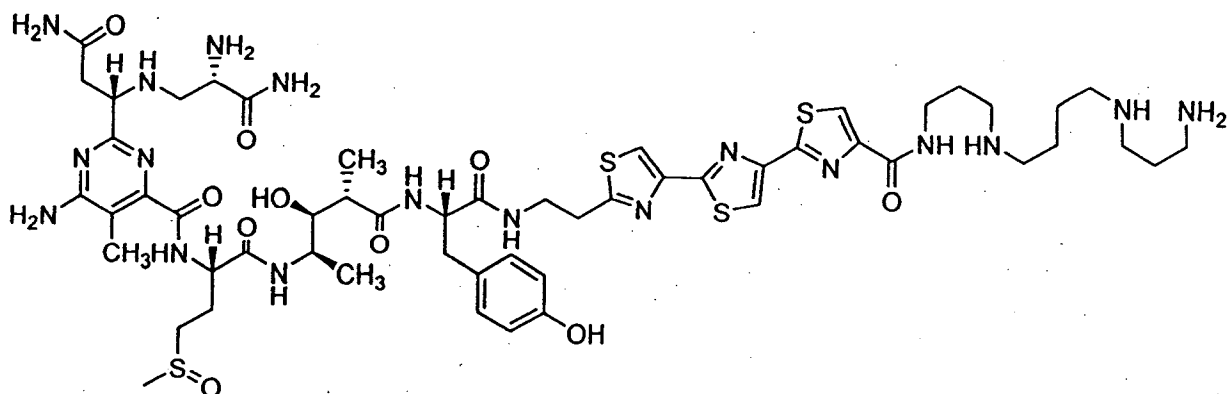


$C_{62}H_{82}N_{18}O_9S_4$
Exact Mass: 1350.54
Mol. Wt.: 1351.69
C, 55.09; H, 6.11; N, 18.65; O, 10.65; S, 9.49

Yield 1.84 mg (35%)
Mass spectrum (electrospray) 1351.6 (M + H)⁺



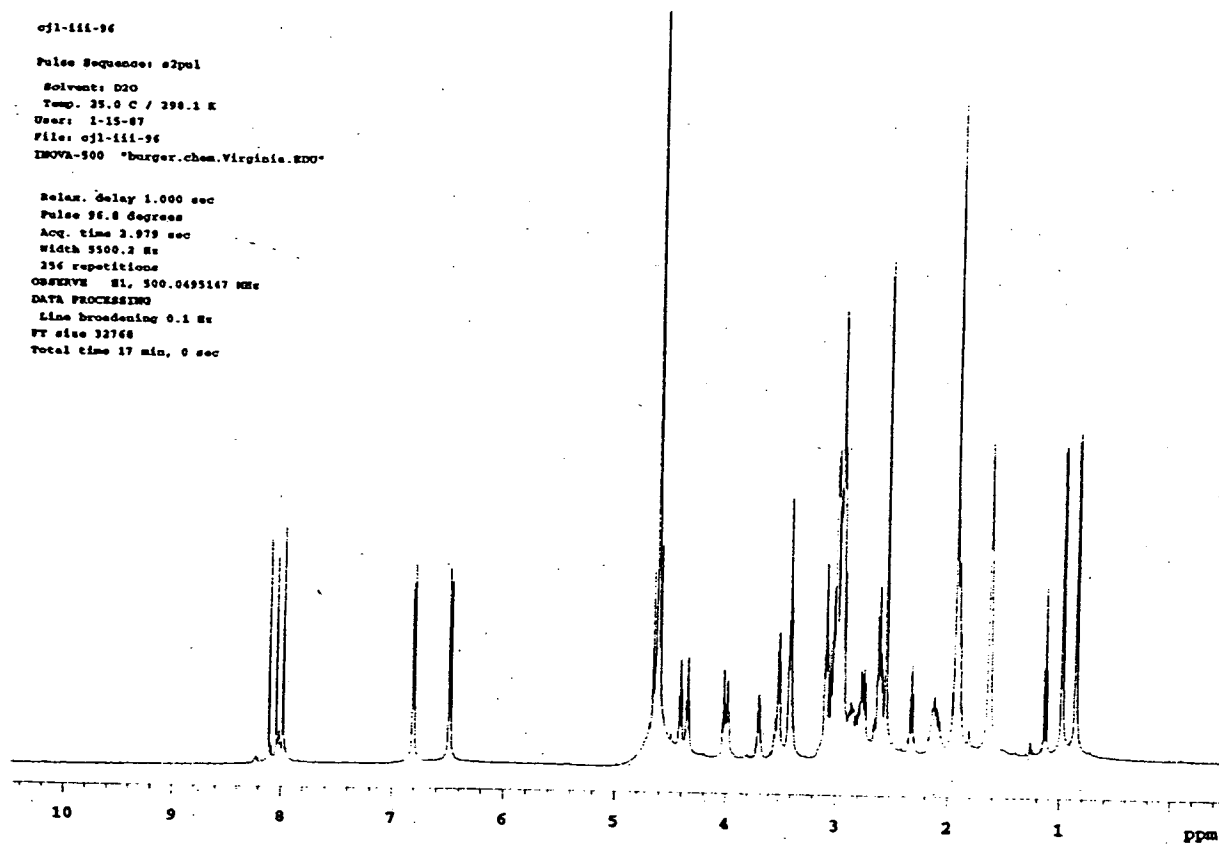
CJL-58
Cjl-iii-96



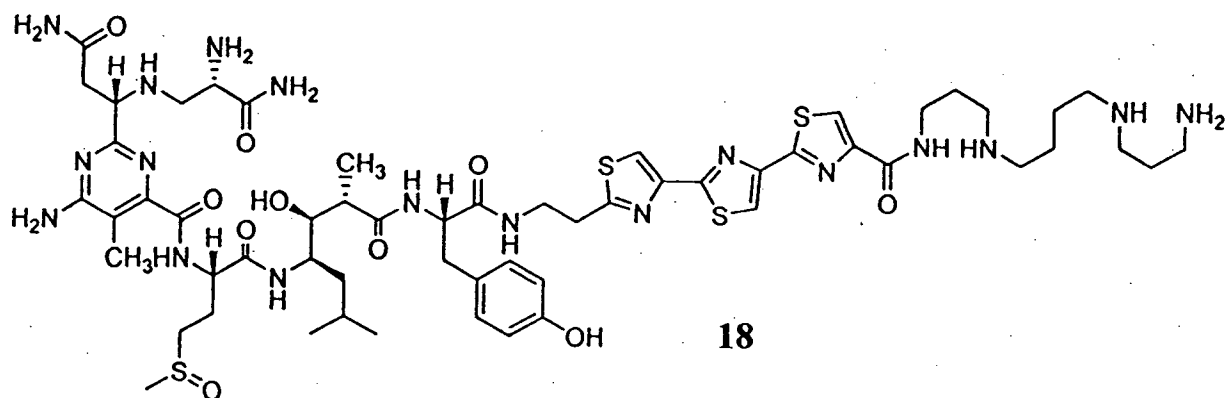
$C_{54}H_{80}N_{18}O_{10}S_4$
Exact Mass: 1268.52
Mol. Wt.: 1269.59
C, 51.09; H, 6.35; N, 19.86; O, 12.60; S, 10.10

yield 1.55 mg (32%)

Mass spectrum (electrospray) 1269.5 (M + H)⁺



CJL-59
Cjl-iii-98



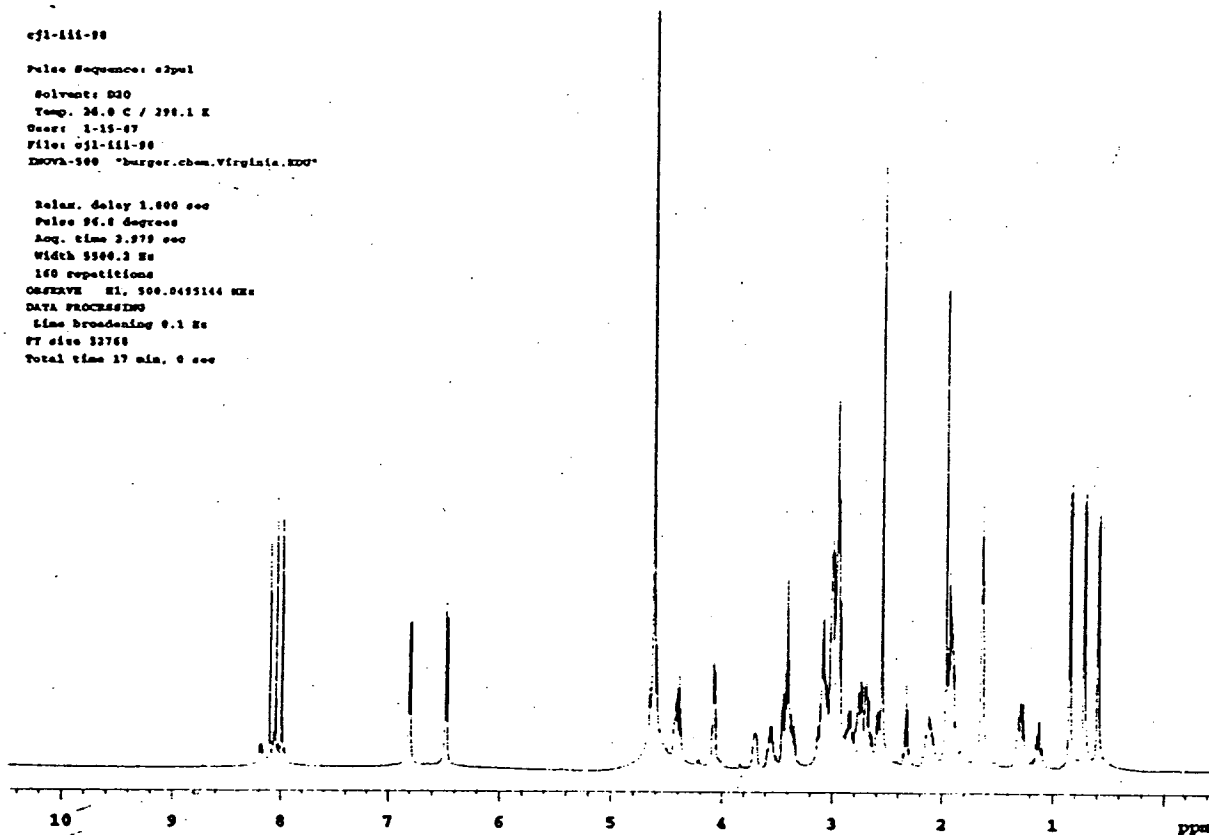
$C_{57}H_{86}N_{18}O_{10}S_4$
Exact Mass: 1310.57
Mol. Wt.: 1311.67
C, 52.19; H, 6.61; N, 19.22; O, 12.20; S, 9.78

Yield 2.71 mg (53%)
Mass spectrum (electrospray) 1311.7 (M + H)⁺

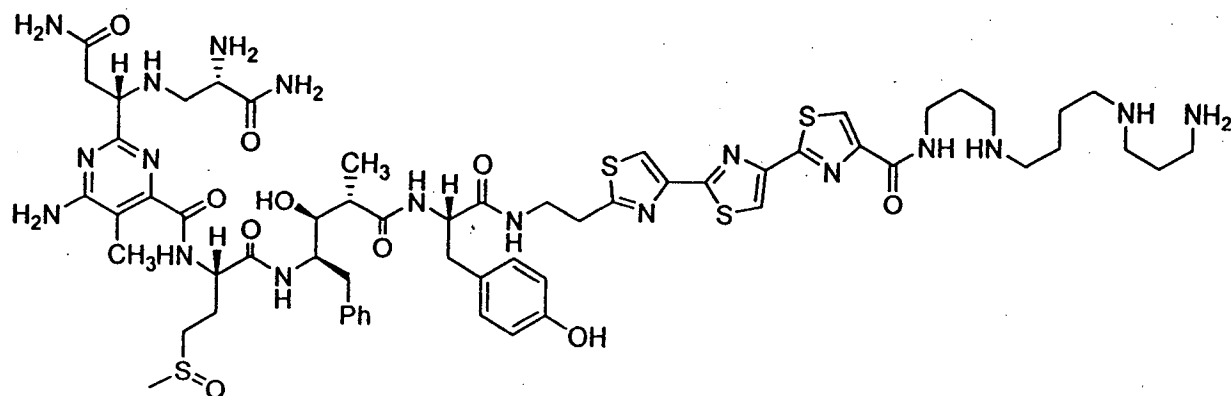
cjl-iii-98

Pulse Sequence: e2pul
Solvent: D2O
Temp. 26.0 C / 299.1 K
Gate: 1-15-07
File: cjl-iii-98
DSOVA-900 "burger.cbcm.Virginia.K200"

Relax. delay 1.000 sec
Pulse 96.0 degrees
Acq. time 3.979 sec
Width 5500.2 Hz
160 repetitions
OBSERVE E1, 500.045144 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min, 0 sec



CJL-60-1
 CJL-60-2
 CJL-iii-100

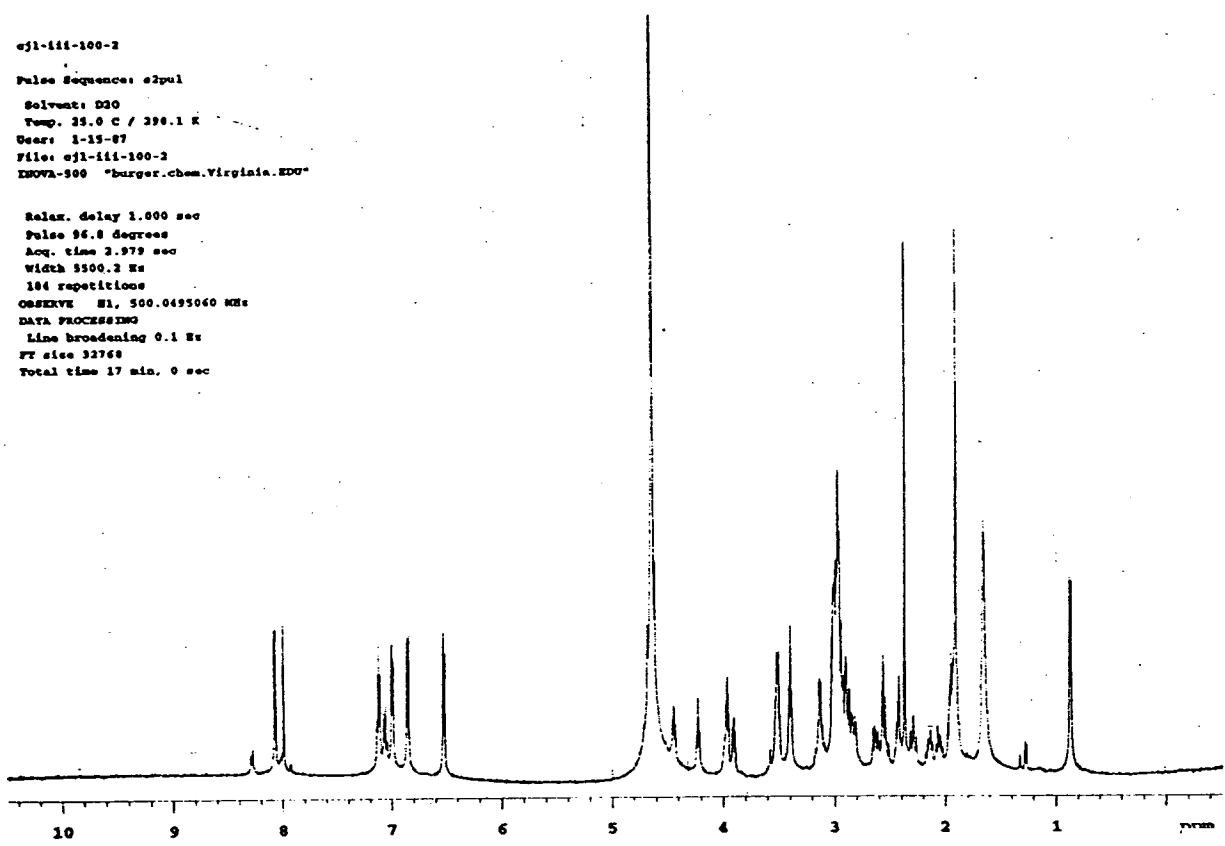


$C_{60}H_{84}N_{18}O_{10}S_4$
 Exact Mass: 1344.55
 Mol. Wt.: 1345.69
 C, 53.55; H, 6.29; N, 18.74; O, 11.89; S, 9.53

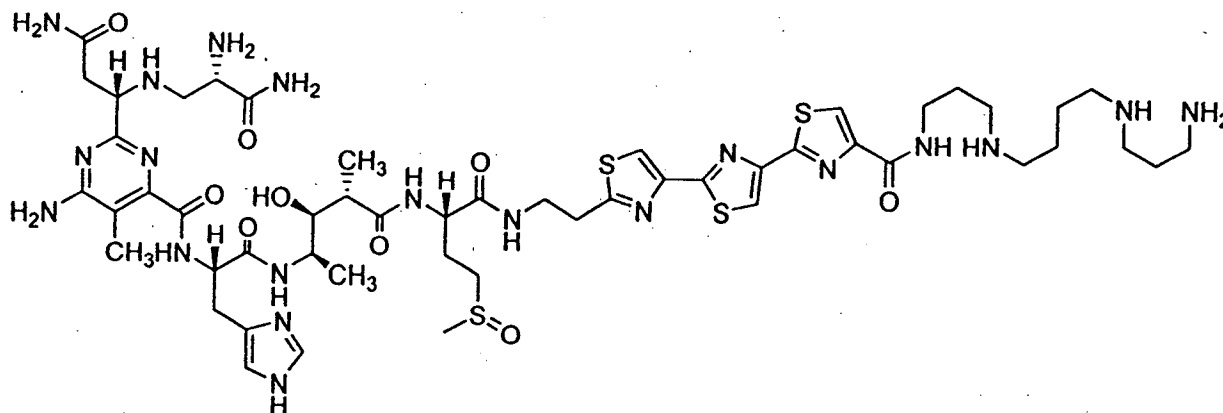
Yield (1) 1.41 mg (54%)
 Yield (2) 968 µg (37%)
 Mass spectrum (electrospray) 1345.6 (M + H)⁺

cjl-iii-100-2
 Pulse Sequence: zgpg30
 Solvent: D2O
 Temp: 25.0 C / 298.1 K
 Date: 1-15-97
 File: cjl-iii-100-2
 INOVA-500 "burger.chem.virginia.edu"

 Relax. delay 1.000 sec
 Pulse 96.8 degrees
 Acq. time 2.979 sec
 Width 5500.2 Hz
 104 repetitions
 OBSERVE E1, 500.0495040 MHz
 DATA PROCESSING
 Line broadening 0.1 Hz
 FT size 32768
 Total time 17 min, 0 sec



CJL-61
CJL-iii-120



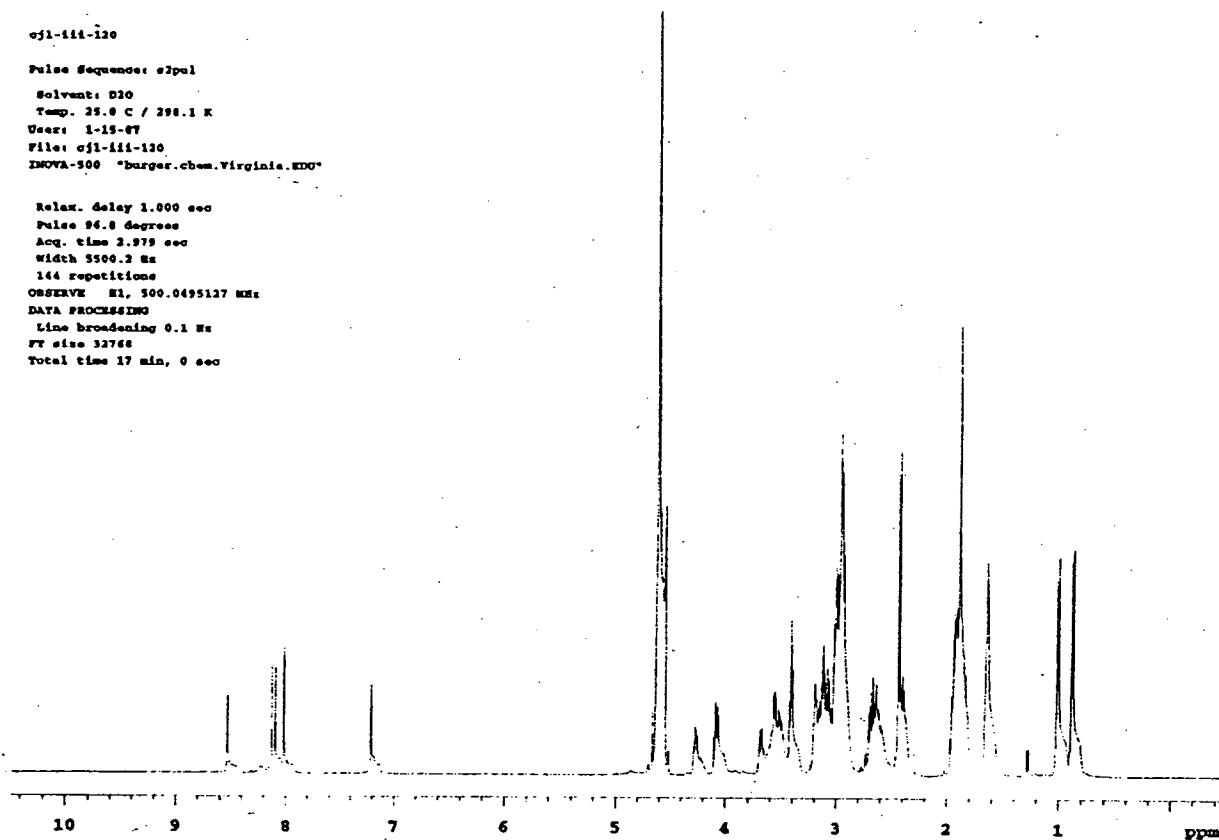
$C_{51}H_{78}N_{20}O_9S_4$
Exact Mass: 1242.51
Mol. Wt.: 1243.56
C, 49.26; H, 6.32; N, 22.53; O, 11.58; S, 10.31

Yield 3.29 mg (68%)

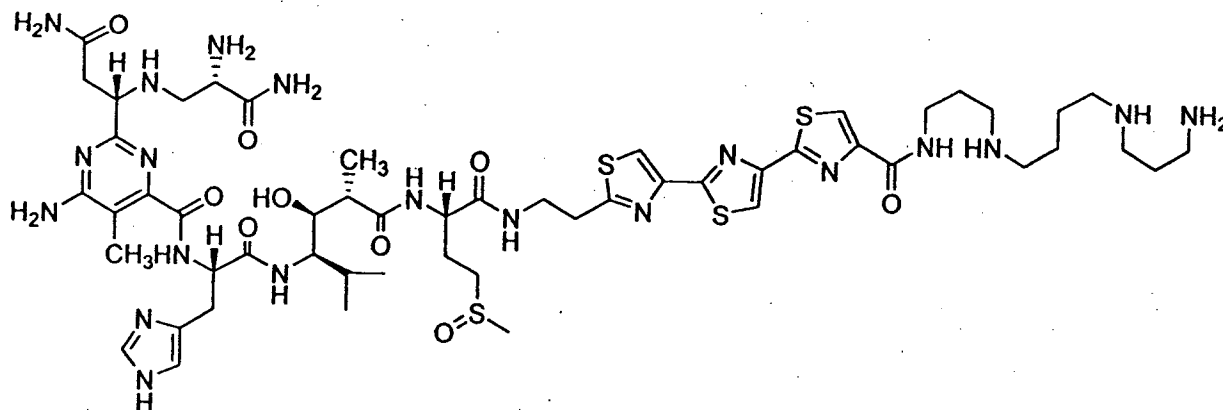
Mass spectrum (electrospray) 1243.5 (M + H)⁺

cjl-iii-120
Pulse Sequence: e2pul
Solvent: D2O
Temp. 25.0 C / 298.1 K
User: 1-19-07
File: cjl-iii-120
INOVA-500 *burger.chem.Virginia.EDU*

Relax. Delay 1.000 sec
Pulse 94.8 degrees
Acq. time 2.979 sec
Width 5500.2 Hz
144 repetitions
OBSERVE E1, 500.0495127 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min, 0 sec



CJL-62
CJL-iii-122



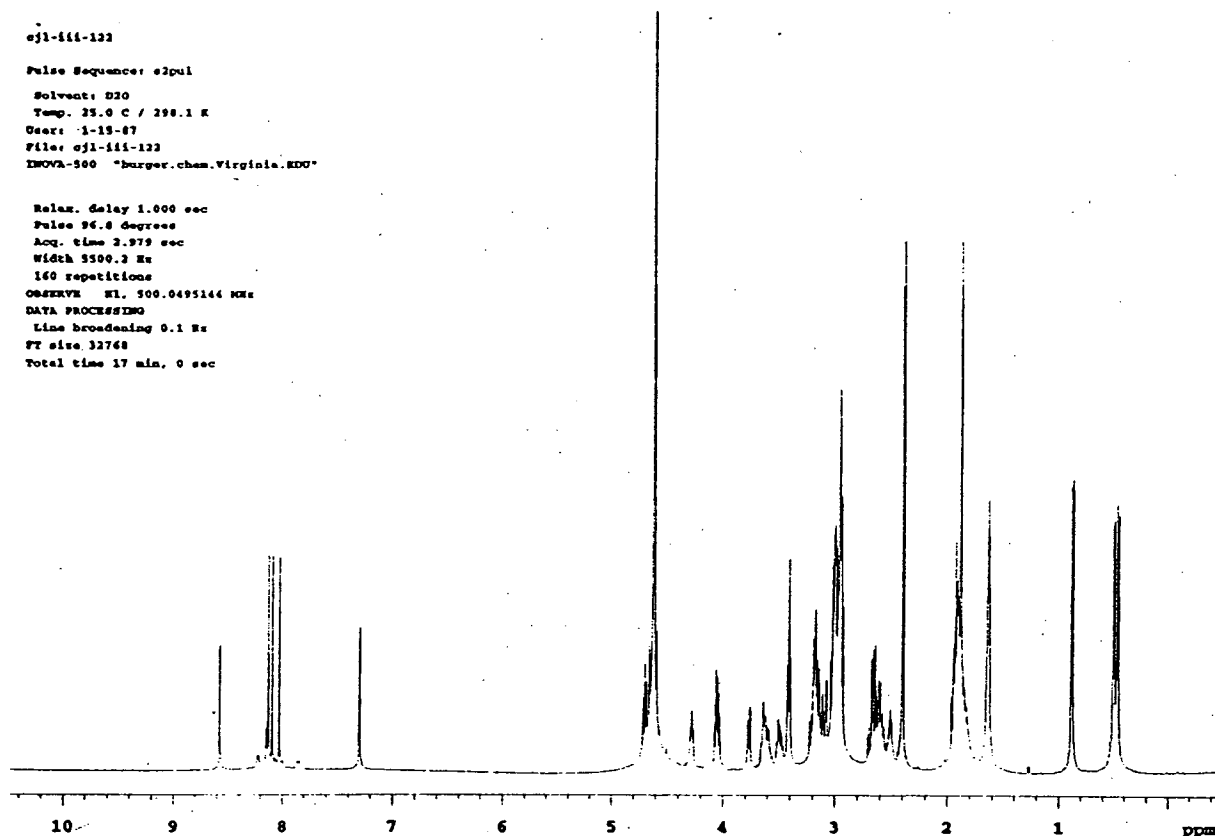
$C_{53}H_{82}N_{20}O_9S_4$
Exact Mass: 1270.55
Mol. Wt.: 1271.61
C, 50.06; H, 6.50; N, 22.03; O, 11.32; S, 10.09

yield 3.38 mg (68%)

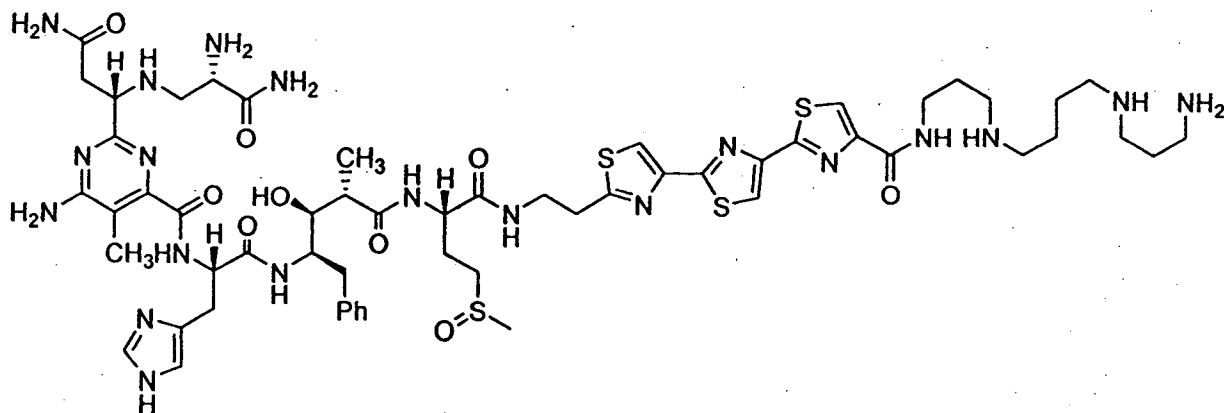
Mass spectrum (electrospray) 1271.6 (M + H)⁺

ojl-111-122
Pulse Sequence: e2pul
Solvent: D2O
Temp: 25.0 C / 298.1 K
Gcvt: 1-15-07
File: ojl-111-122
INOVA-500 "burger.chem.Virginia.KDD"

Relax. Delay 1.000 sec
Pulse 96.8 degree
Acq. time 2.979 sec
Width 5500.2 Hz
160 repetitions
OBSERVE KL 500.0495144 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min. 0 sec



CJL-63
CJL-iii-124

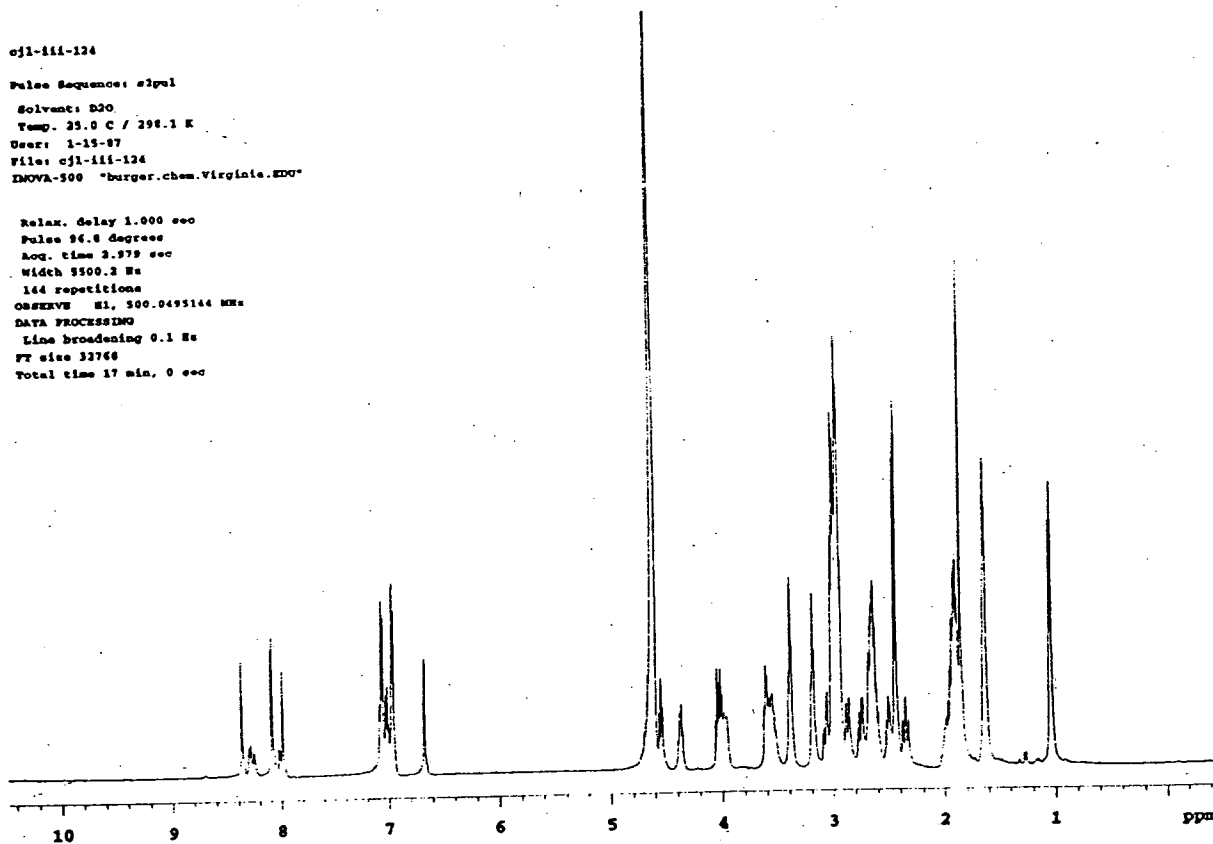


$C_{57}H_{82}N_{20}O_9S_4$
Exact Mass: 1318.55
Mol. Wt.: 1319.65
C, 51.88; H, 6.26; N, 21.23; O, 10.91; S, 9.72

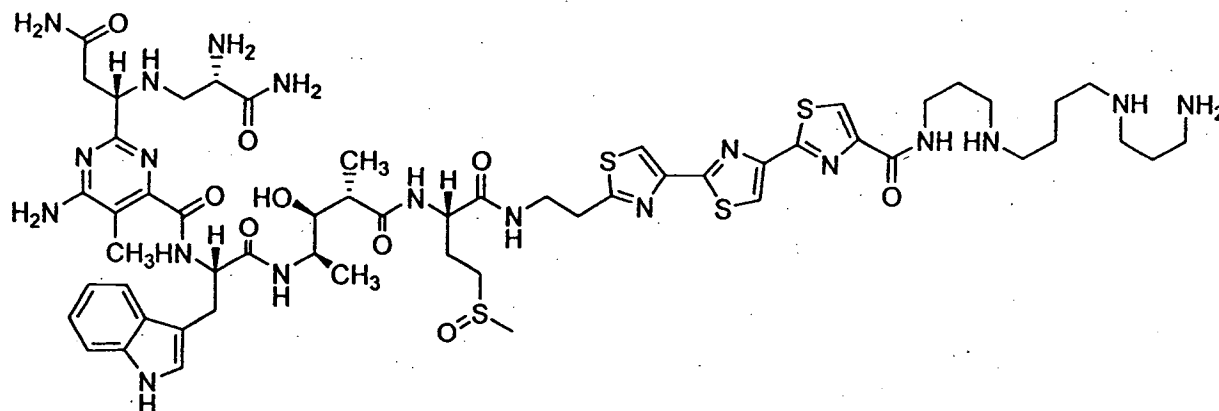
Yield 2.41 mg (47%)
Mass spectrum (electrospray) 1319.6 (M + H)⁺

cjl-iii-124
Pulse Sequence: zgpg30
Solvent: D2O
Temp. 25.0 C / 298.1 K
Date: 1-15-97
File: cjl-iii-124
INOVA-500 "burger.chem.Virginia.EDU"

Relax. delay 1.000 sec
Pulse 16.8 degrees
Acq. time 2.979 sec
Width 5500.2 Hz
164 repetitions
OBSERVE E1, 500.0495144 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min. 0 sec



CJL-64
CJL-iii-126



$C_{56}H_{81}N_{19}O_9S_4$
Exact Mass: 1291.53
Mol. Wt.: 1292.63
C, 52.03; H, 6.32; N, 20.59; O, 11.14; S, 9.92

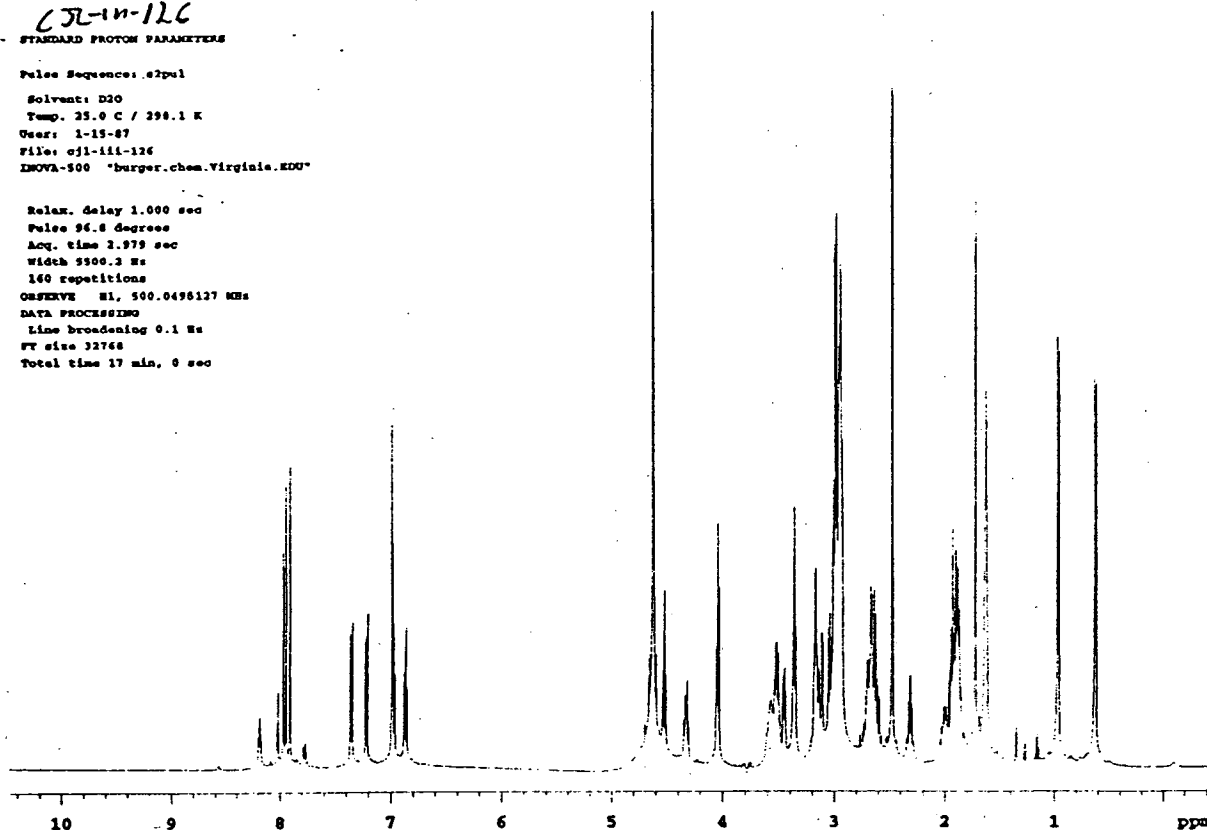
Yield 4.67 mg (93%)

Mass spectrum (electrospray) 1292.6 (M + H)⁺

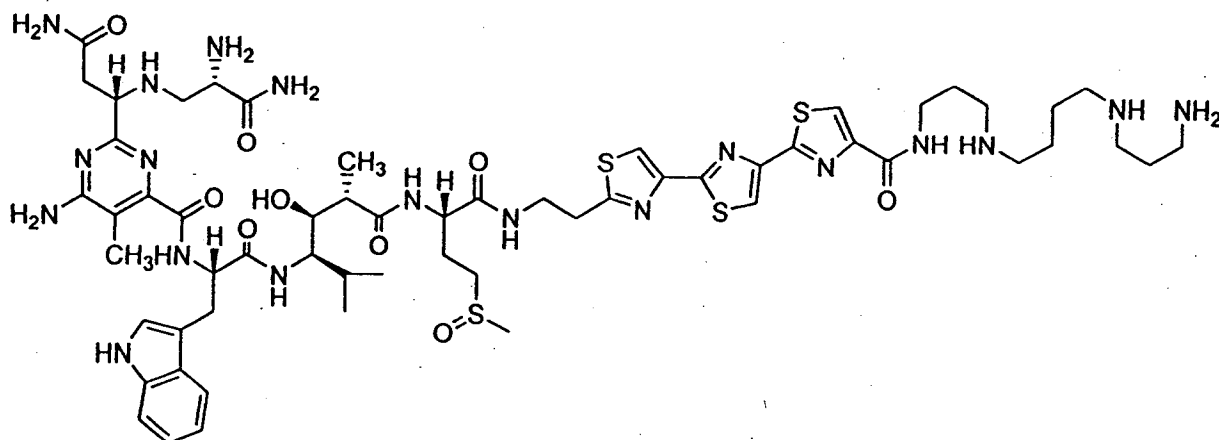
CJL-iii-126
STANDARD PROTON PARAMETERS

Pulse Sequence: s2pul
Solvent: D2O
Temp: 25.0 C / 298.1 K
Gauss: 1-15-47
File: cjl-iii-126
INOVA-500 "burger.chem.virginia.edu"

Relax. delay 1.000 sec
Pulse 96.4 degrees
Acq. time 2.979 sec
Width 5500.3 Hz
140 repetitions
OBSERVE H1, 500.0496127 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min, 0 sec



CJL-65
CJL-iii-128



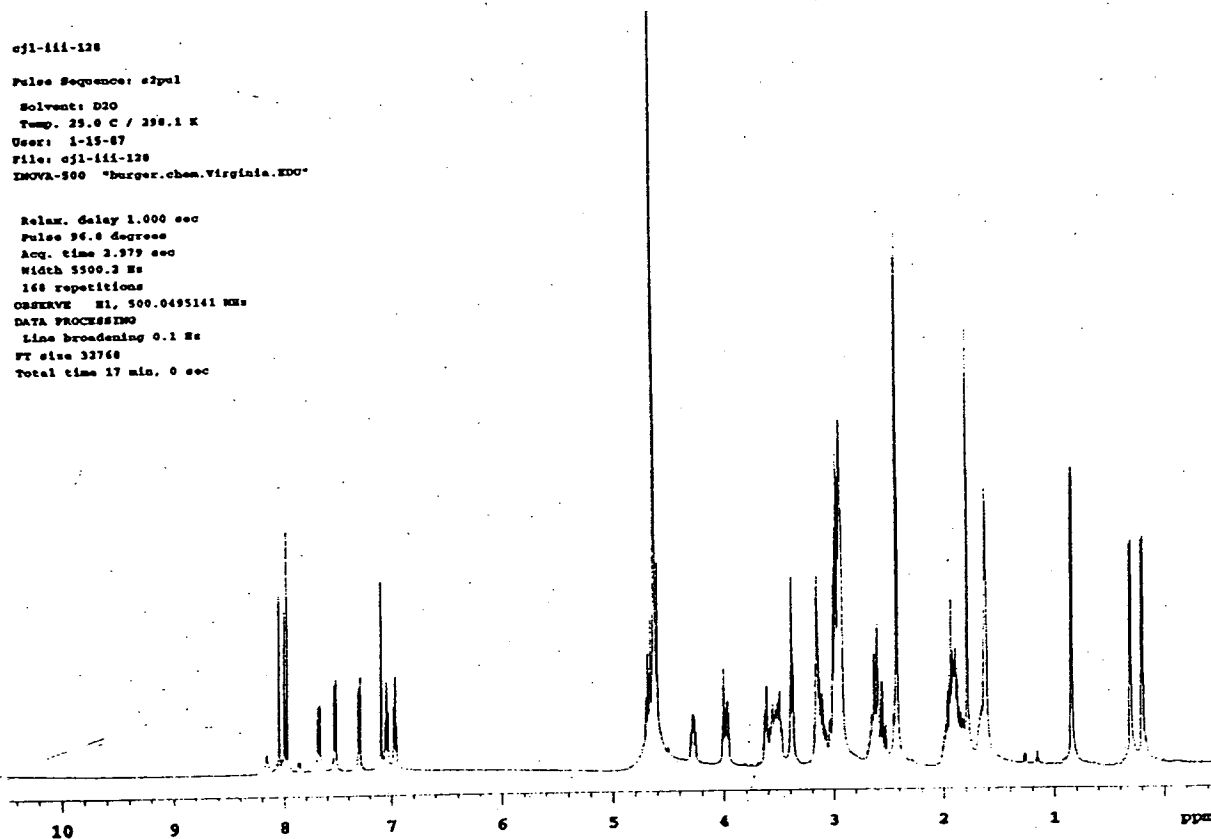
C₅₈H₈₅N₁₉O₉S₄
Exact Mass: 1319.57
Mol. Wt.: 1320.68
C, 52.75; H, 6.49; N, 20.15; O, 10.90; S, 9.71

Yield 1.94 mg (38%)

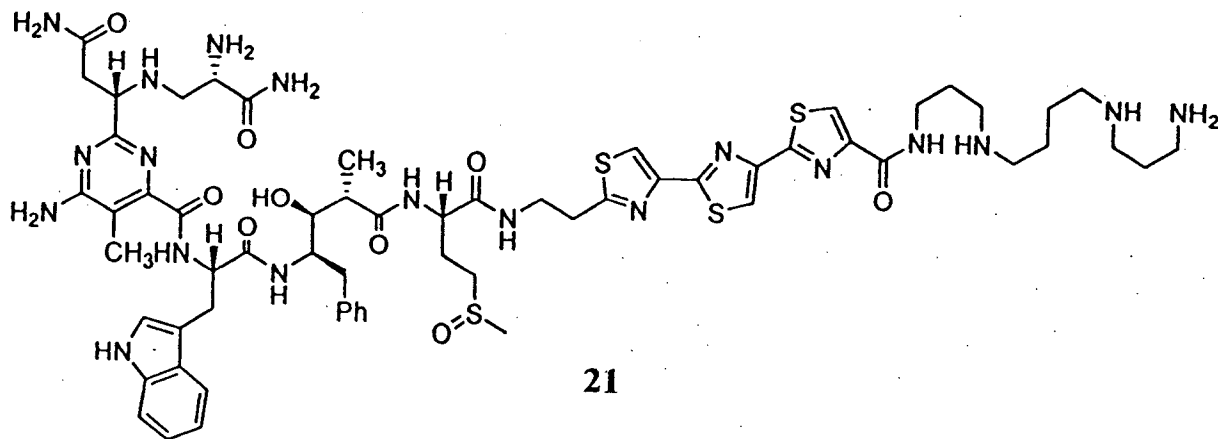
Mass spectrum (electrospray) 1320.6 (M + H)⁺

cjl-iii-128
Pulse Sequence: s2pul
Solvent: D2O
Temp. 25.0 C / 298.1 K
User: 1-15-87
File: cjl-iii-128
INOVA-500 "burger.chem.virginia.EDU"

Relax. Delay 1.000 sec
Pulse 56.8 degree
Acq. time 2.979 sec
Width 5500.3 Hz
168 repetitions
OBSERVE H1, 500.0495141 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min. 0 sec



CJL-66
CJL-iii-130



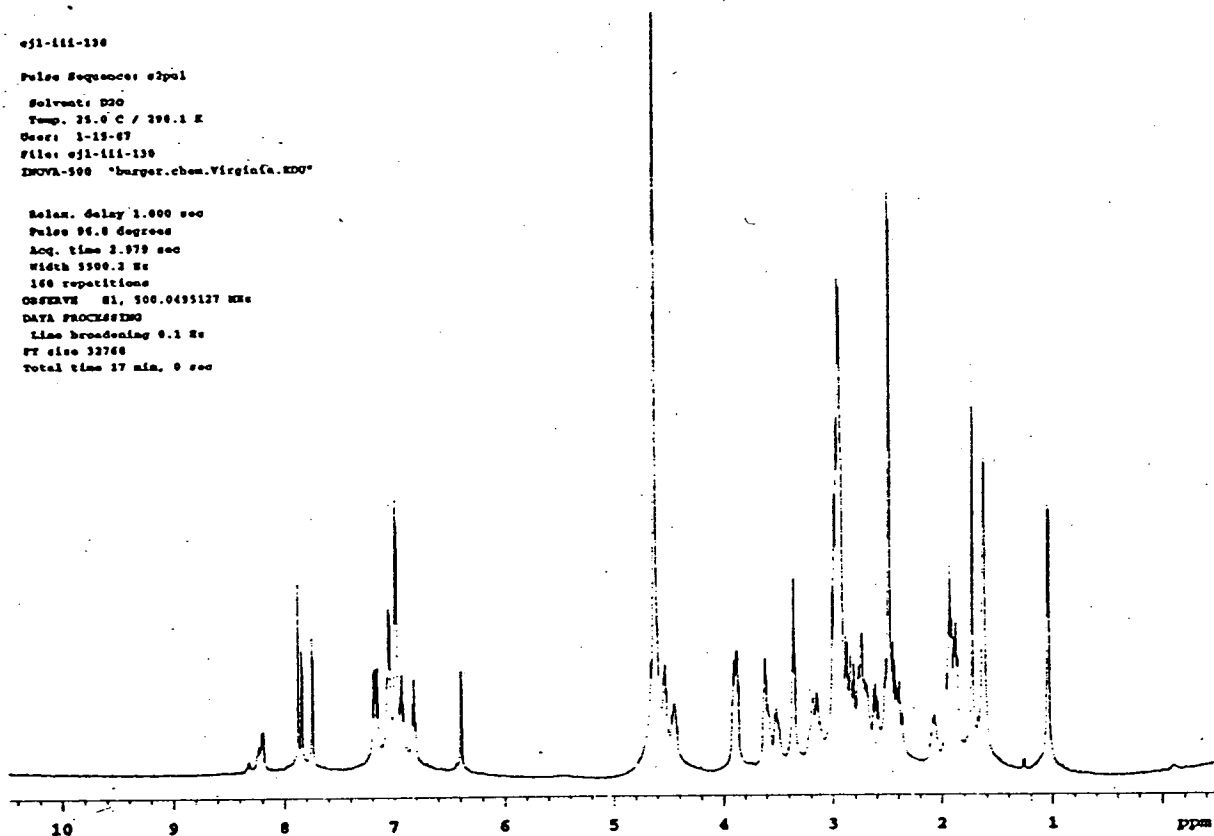
$C_{62}H_{85}N_{19}O_9S_4$
Exact Mass: 1367.57
Mol. Wt.: 1368.72
C, 54.41; H, 6.26; N, 19.44; O, 10.52; S, 9.37

Yield 2.95 mg (55%)

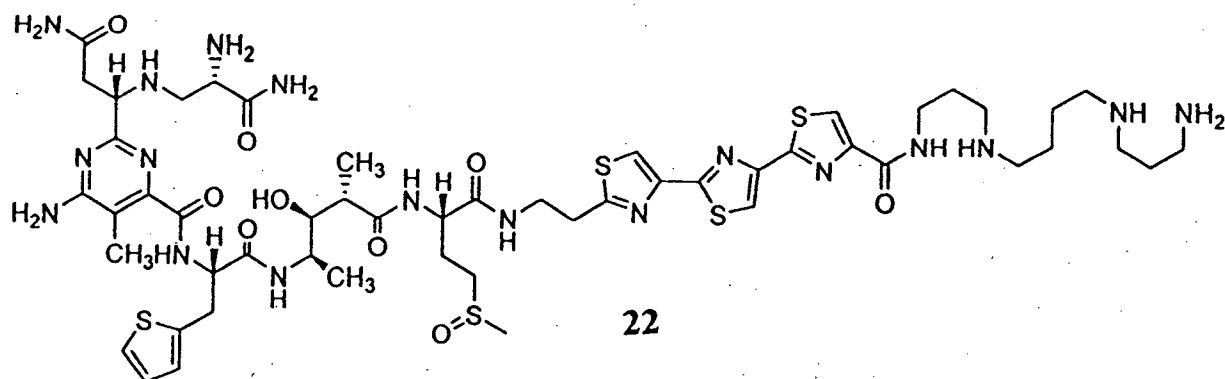
Mass spectrum (electrospray) 1368.6 (M + H)⁺

cjl-iii-130
Pulse Sequence: zgpg1
Solvent: D2O
Temp. 35.0 C / 300.1 K
Date: 1-15-07
File: cjl-iii-130
INOVA-500 "burpex.chem.Virginia.edu"

Relax. delay 1.000 sec
Pulse 90.0 degrees
Acq. time 2.979 sec
Width 5500.2 Hz
160 repetitions
OBSERVE 81, 500.045127 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min, 0 sec



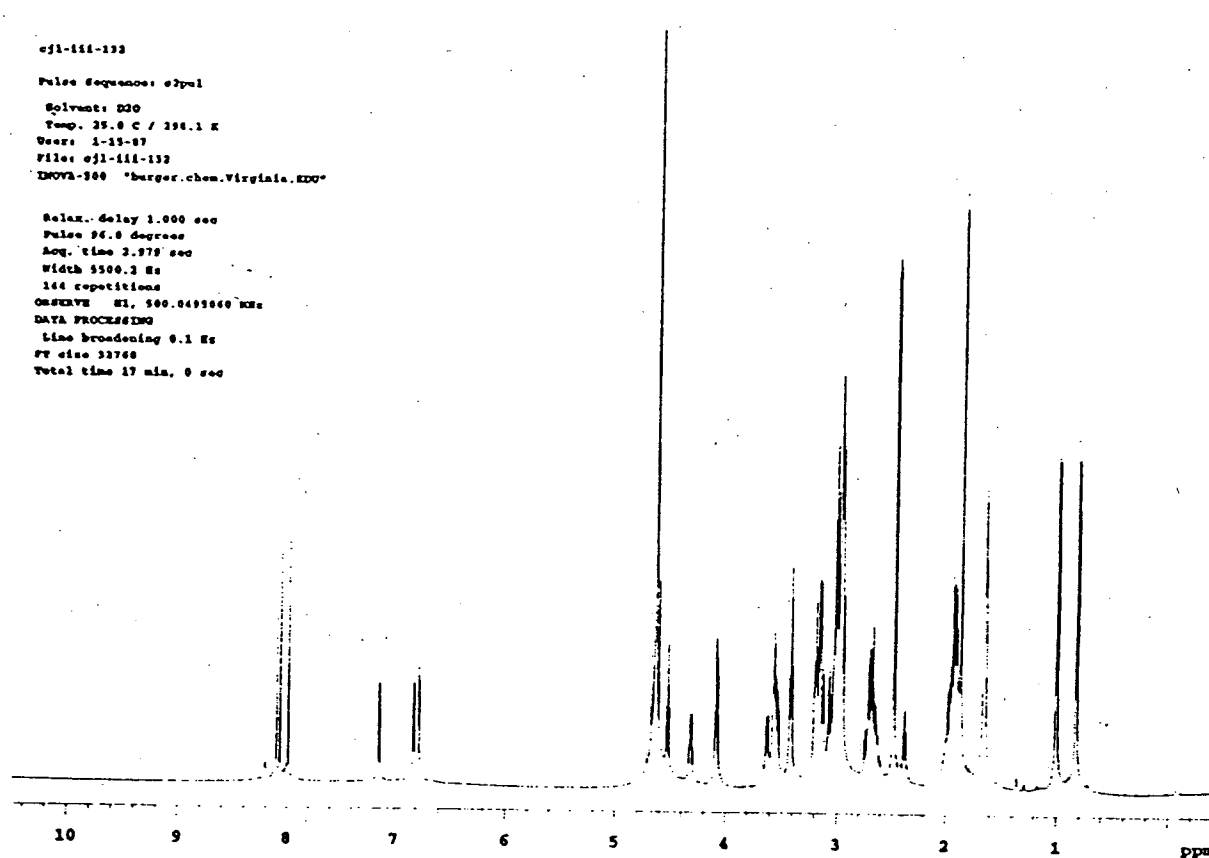
CJL-67
CJL-iii-132



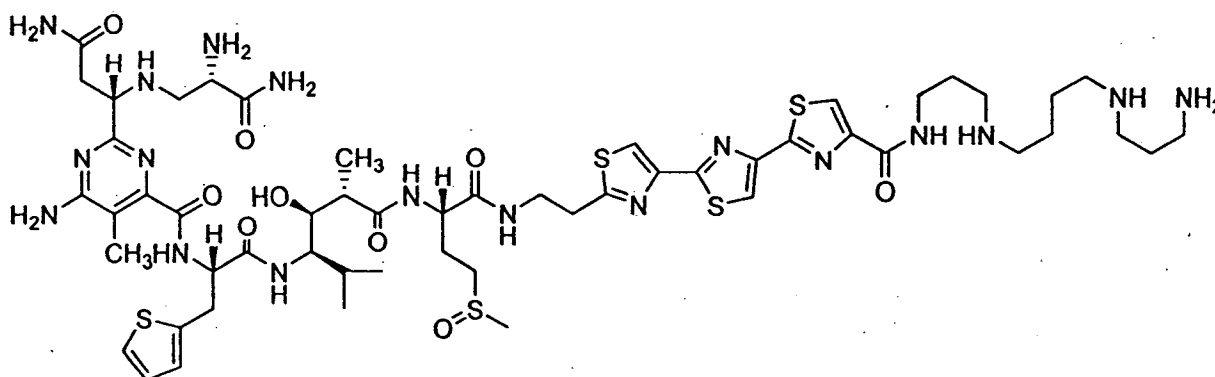
$C_{52}H_{78}N_{18}O_9S_5$
Exact Mass: 1258.48
Mol. Wt.: 1259.62
C, 49.58; H, 6.24; N, 20.02; O, 11.43; S, 12.73

yield 2.89 mg (59%)

Mass spectrum (electrospray) 1259.5 (M + H)⁺



CJL-68
CJL-iii-134



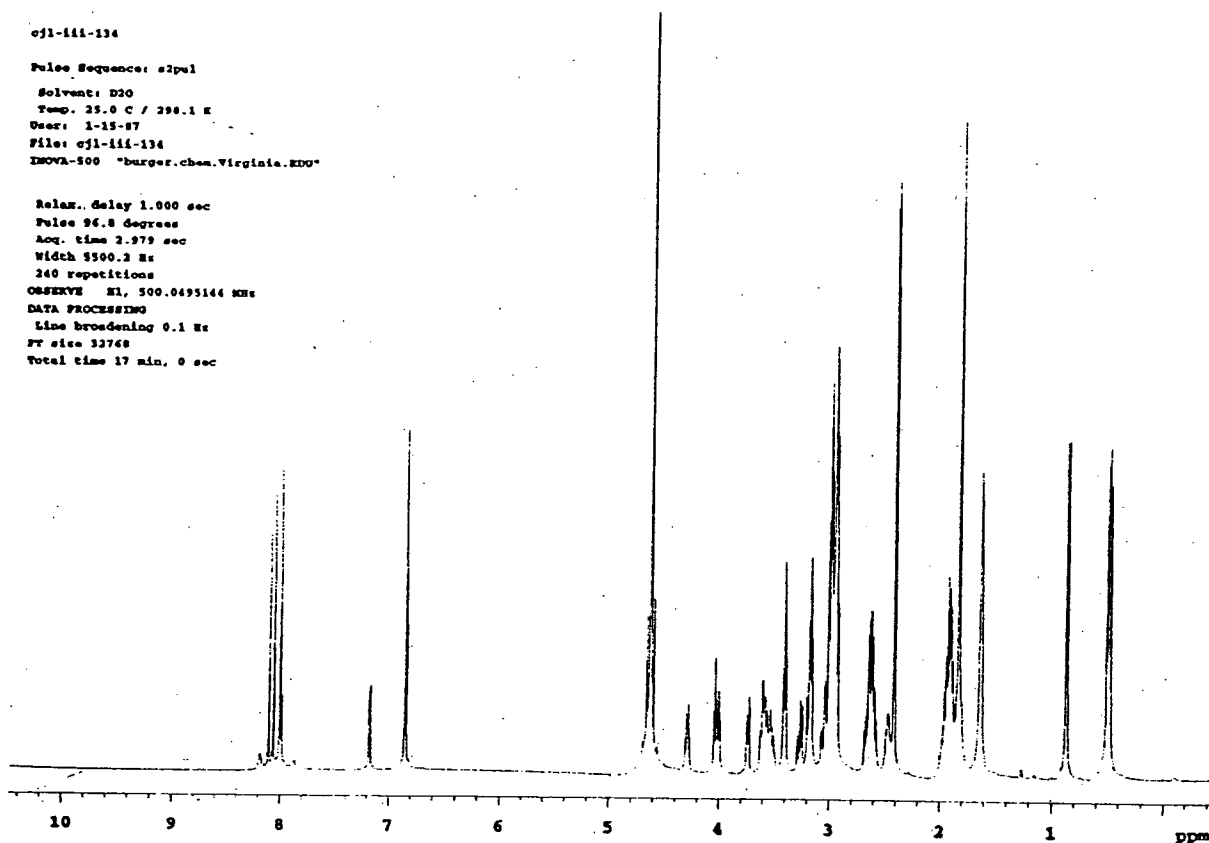
$C_{54}H_{82}N_{18}O_9S_5$
Exact Mass: 1286.51
Mol. Wt.: 1287.67
C, 50.37; H, 6.42; N, 19.58; O, 11.18; S, 12.45

Yield 2.90 mg (58%)

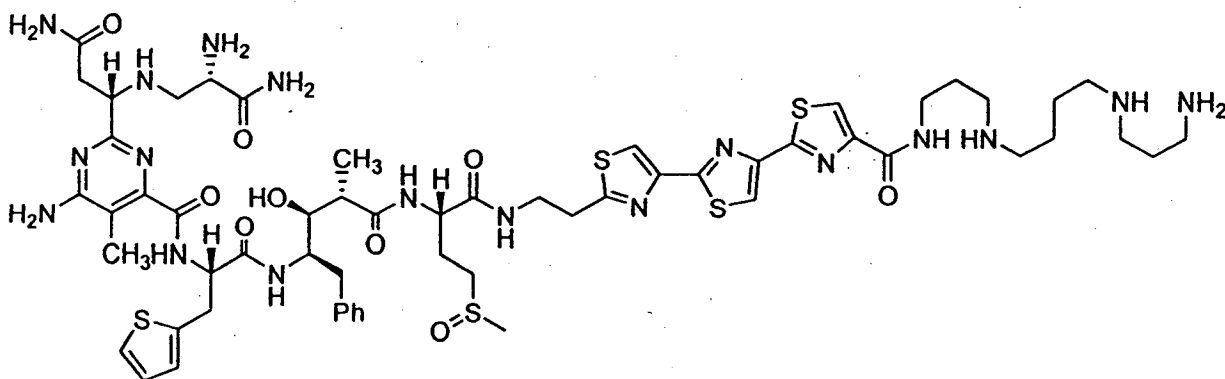
Mass spectrum (electrospray) 1287.6 (M + H)⁺

cjl-iii-134
Pulse Sequence: sfpul
Solvent: D2O
Temp. 25.0 C / 298.1 K
User: 1-15-87
File: cjl-iii-134
INOVA-500 "burger.chem.Virginia.EDU"

Relax. delay 1.000 sec
Pulse 96.8 degrees
Acq. time 2.979 sec
Width 8500.2 Hz
240 repetitions
OBSERVE F1, 500.0495144 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min. 0 sec



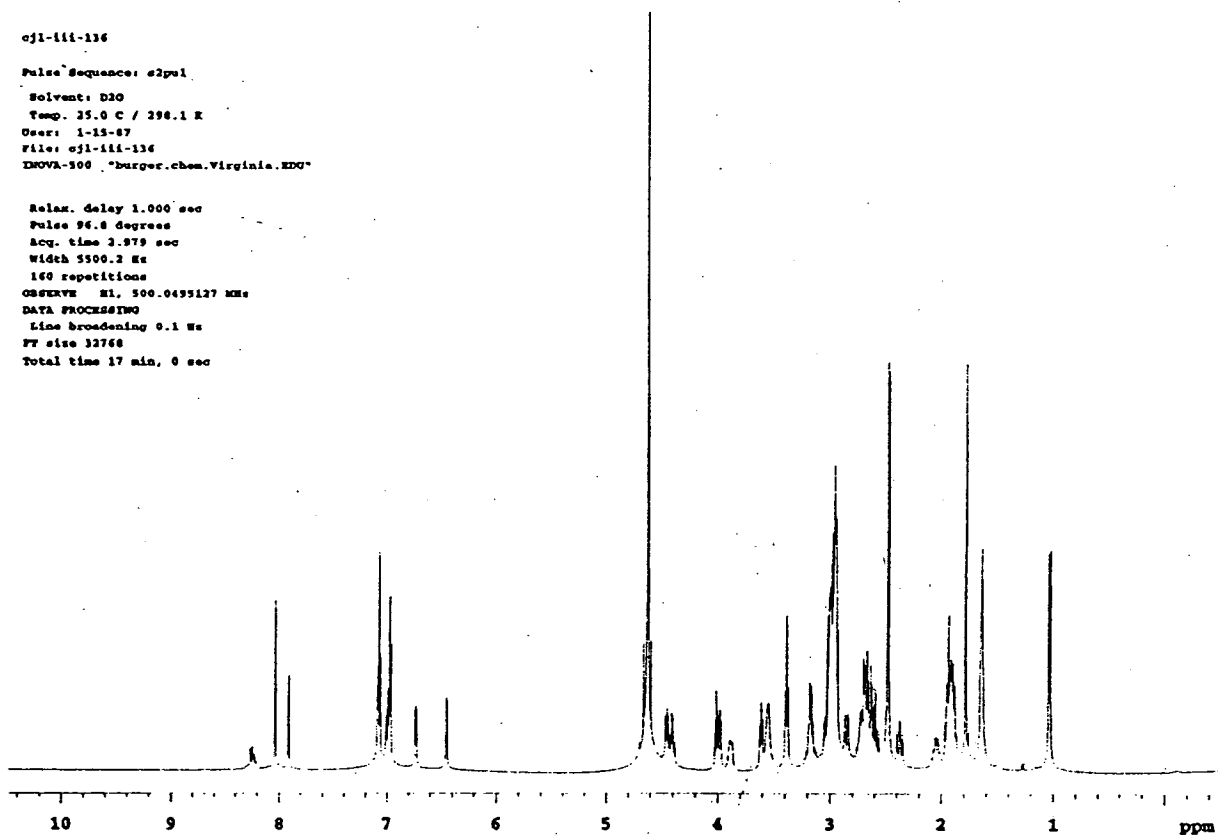
CJL-69
CJL-iii-136



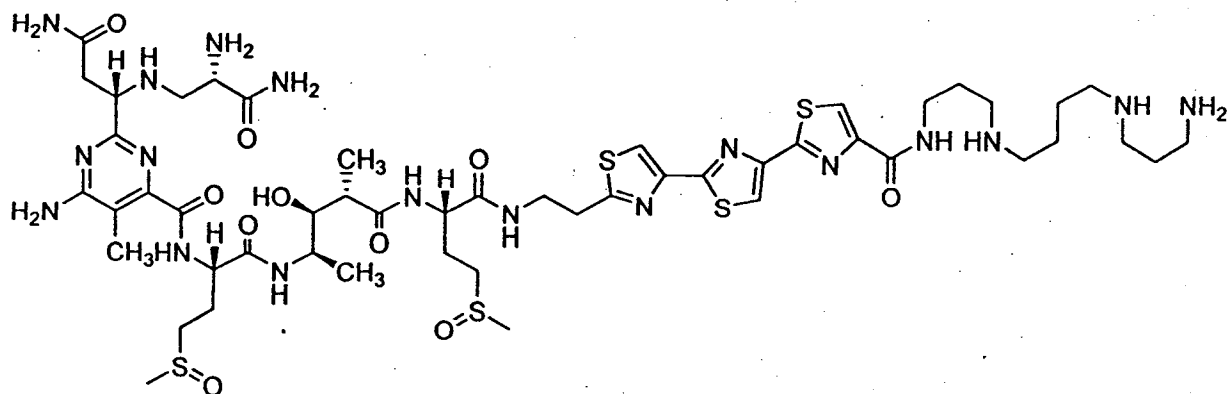
C₅₈H₈₂N₁₈O₉S₅
Exact Mass: 1334.51
Mol. Wt.: 1335.72
C, 52.15; H, 6.19; N, 18.88; O, 10.78; S, 12.00

yield 2.17 mg (42%)

Mass spectrum (electrospray) 1335.6 (M + H)⁺



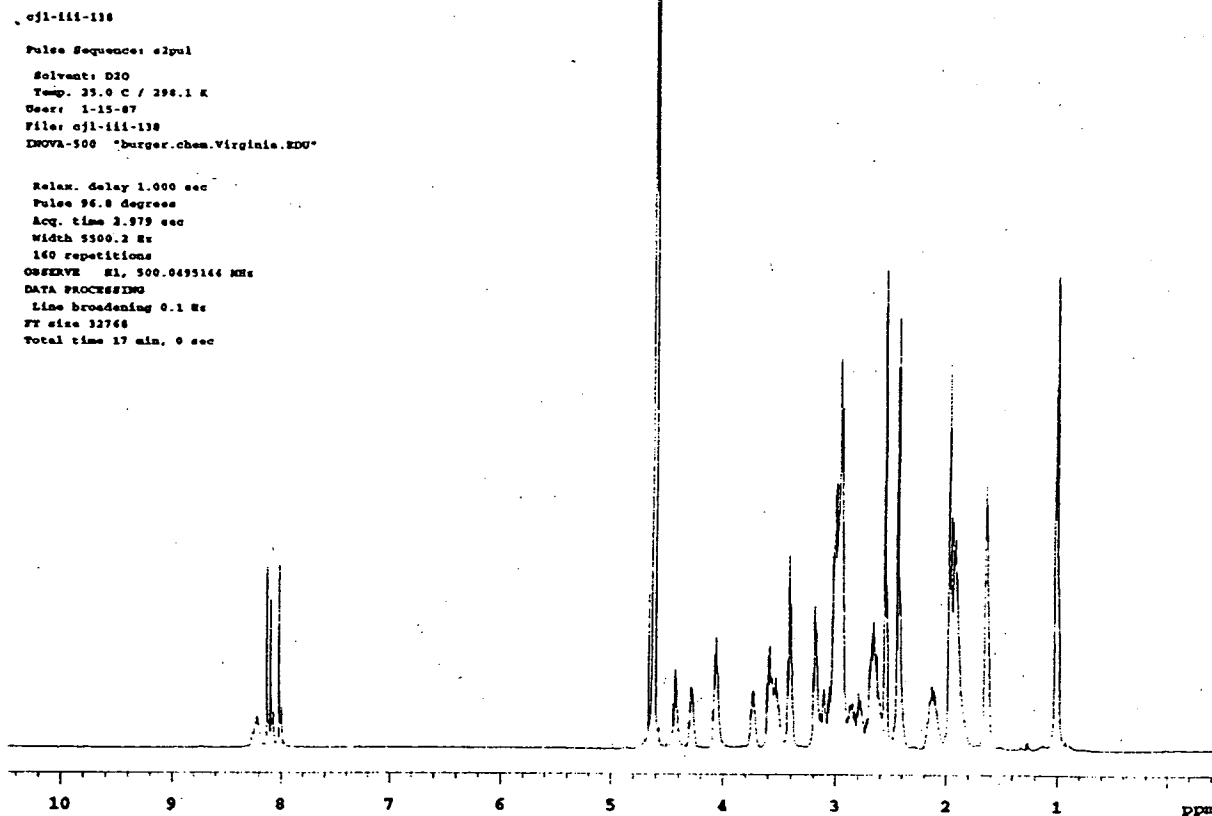
CJL-70
CJL-iii-138



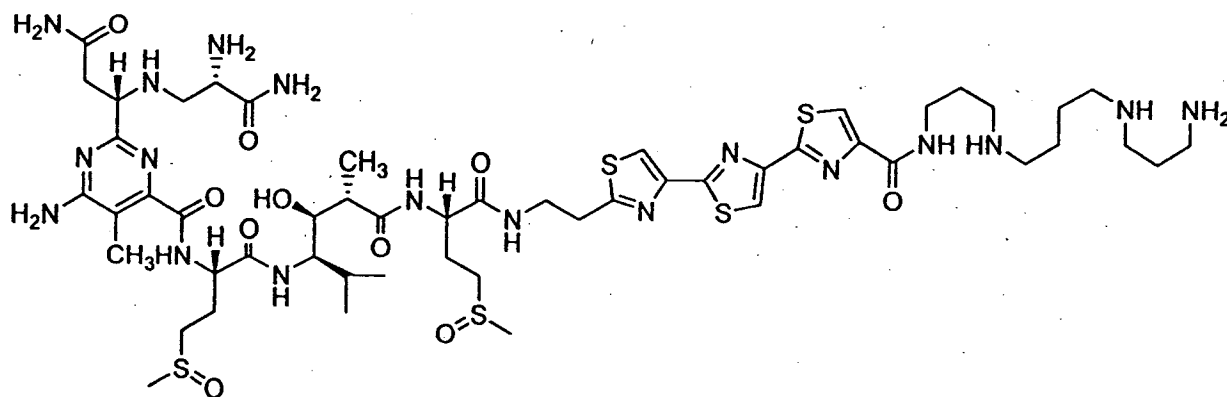
$C_{50}H_{80}N_{18}O_{10}S_5$
Exact Mass: 1252.49
Mol. Wt.: 1253.62
C, 47.90; H, 6.43; N, 20.11; O, 12.76; S, 12.79

Yield 2.60 mg (53%)

Mass spectrum (electrospray) 1253.5 (M + H)⁺



CJL-71
CJL-iii-140



$C_{52}H_{84}N_{18}O_{10}S_5$
Exact Mass: 1280.52
Mol. Wt.: 1281.67
C, 48.73; H, 6.61; N, 19.67; O, 12.48; S, 12.51

Yield 1.36 mg (27%)

Mass spectrum (electrospray) 1281.6 (M + H)⁺

CJL-iii-140

STANDARD PROTON PARAMETERS

Pulse Sequence: e2pul

Solvent: D2O

Temp: 25.0 C / 298.1 K

Qear: 1-15-87

File: cjl-iii-140

INOVA-500 "burger.chem.Virginia.EDU"

Relax. delay 1.000 sec

Pulse 96.8 degrees

Acq. time 3.979 sec

Width 5100.2 Hz

192 repetitions

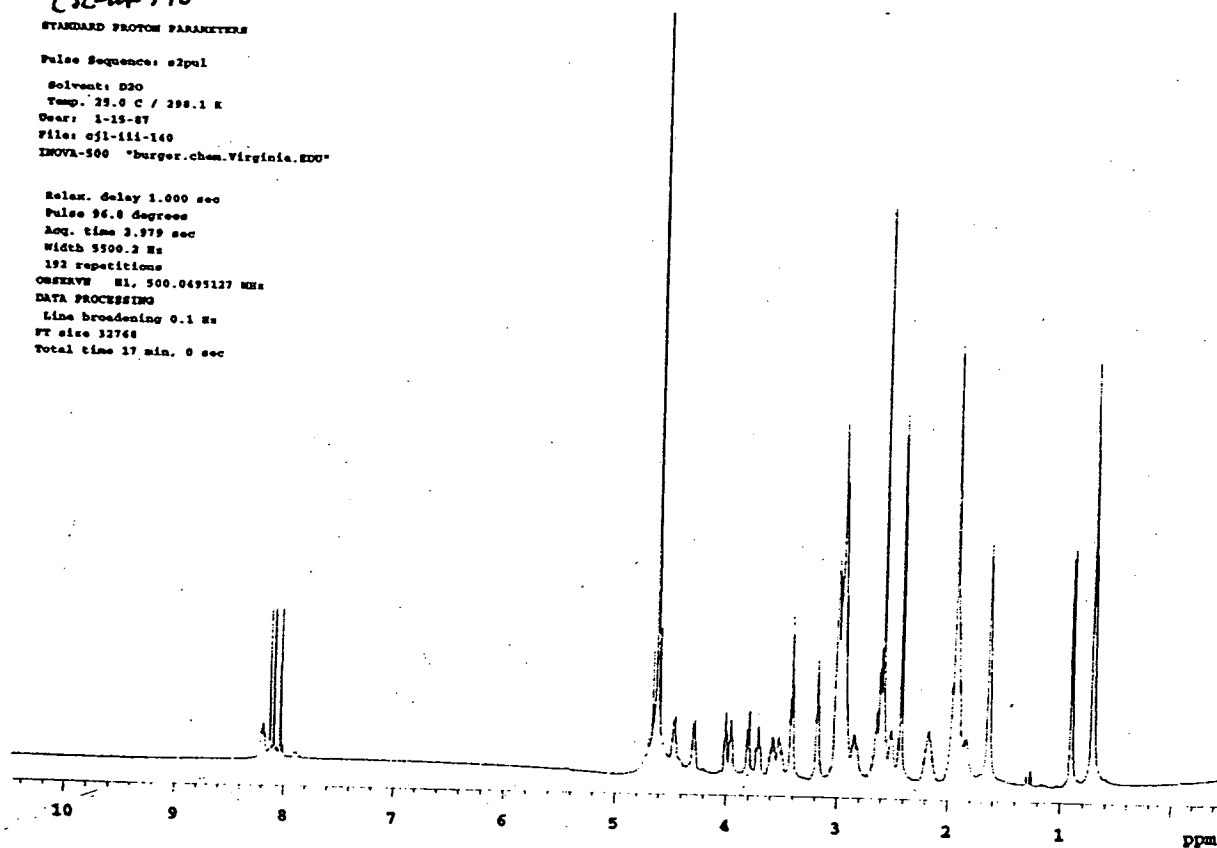
OBSERVE H1, 500.0495127 MHz

DATA PROCESSING

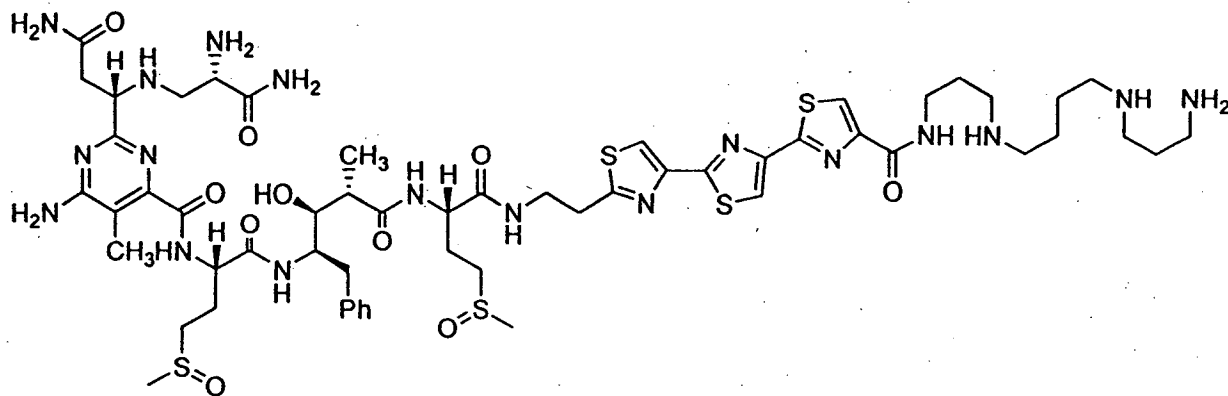
Line broadening 0.1 Hz

FT size 32768

Total time 17 min, 0 sec



CJL-72-1
 CJL-72-2
 CJL-iii-142

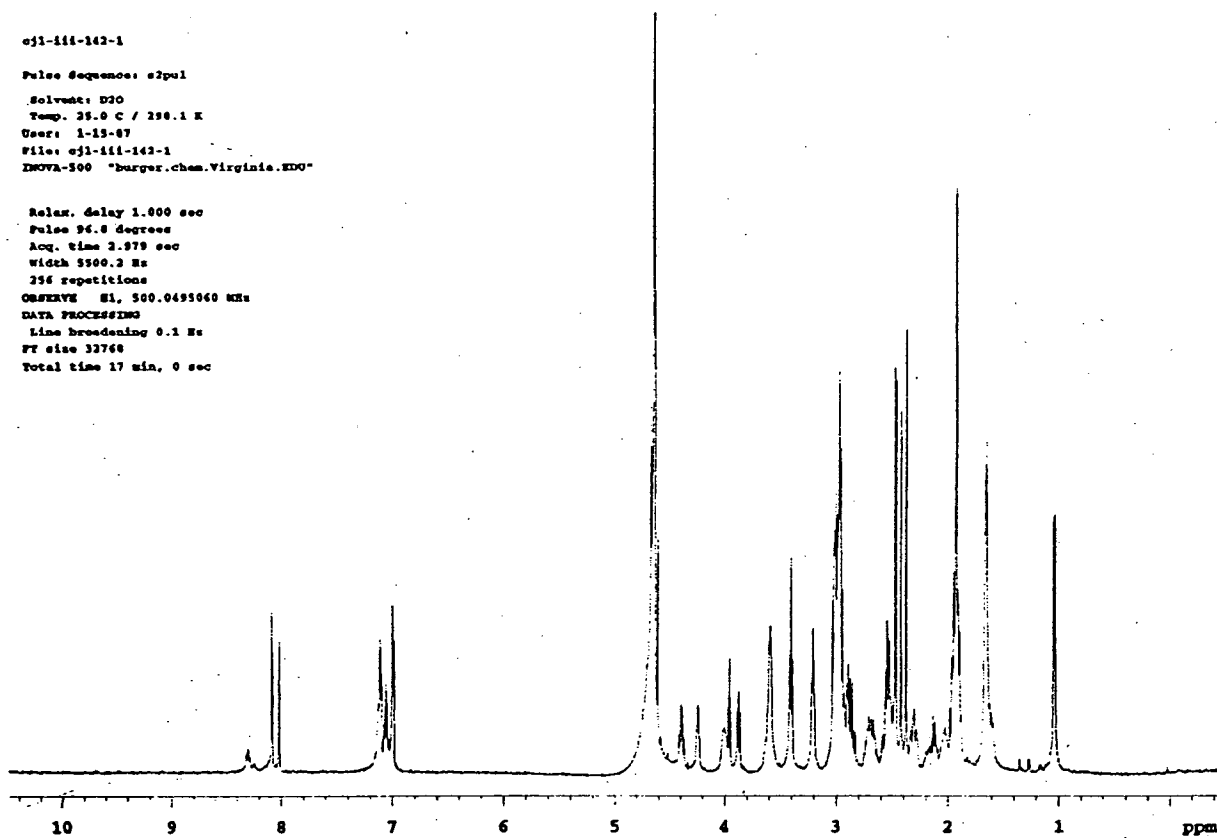


$C_{56}H_{84}N_{18}O_{10}S_5$
 Exact Mass: 1328.52
 Mol. Wt.: 1329.71
 C, 50.58; H, 6.37; N, 18.96; O, 12.03; S, 12.06

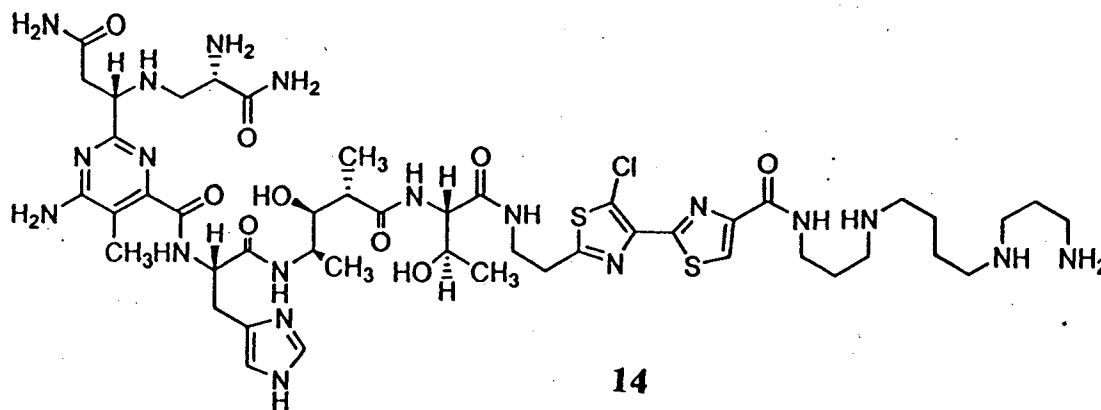
Yield (1) 531 μ g (20%)
 Yield (2) 478 μ g (18%)
 Mass spectrum (electrospray) 1329.6 (M + H)⁺

cjl-iii-142-1
 Pulse Sequence: e2pul
 Solvent: D2O
 Temp. 25.0 C / 298.1 K
 User: 1-13-87
 File: cjl-iii-142-1
 INOVA-300 "burger.chem.virginia.EDU"

Relax. delay 1.000 sec
 Pulse 96.8 degrees
 Acq. time 2.879 sec
 Width 5500.2 Hz
 356 repetitions
 OBSERVE H1, 500.0495060 MHz
 DATA PROCESSING
 Line broadening 0.1 Hz
 FT size 32768
 Total time 17 min. 0 sec



CJL-73
CJL-iii-39



14

$C_{47}H_{74}ClN_{19}O_9S_2$
Exact Mass: 1147.50
Mol. Wt.: 1148.80
C, 49.14; H, 6.49; Cl, 3.09; N, 23.17; O, 12.53; S, 5.58

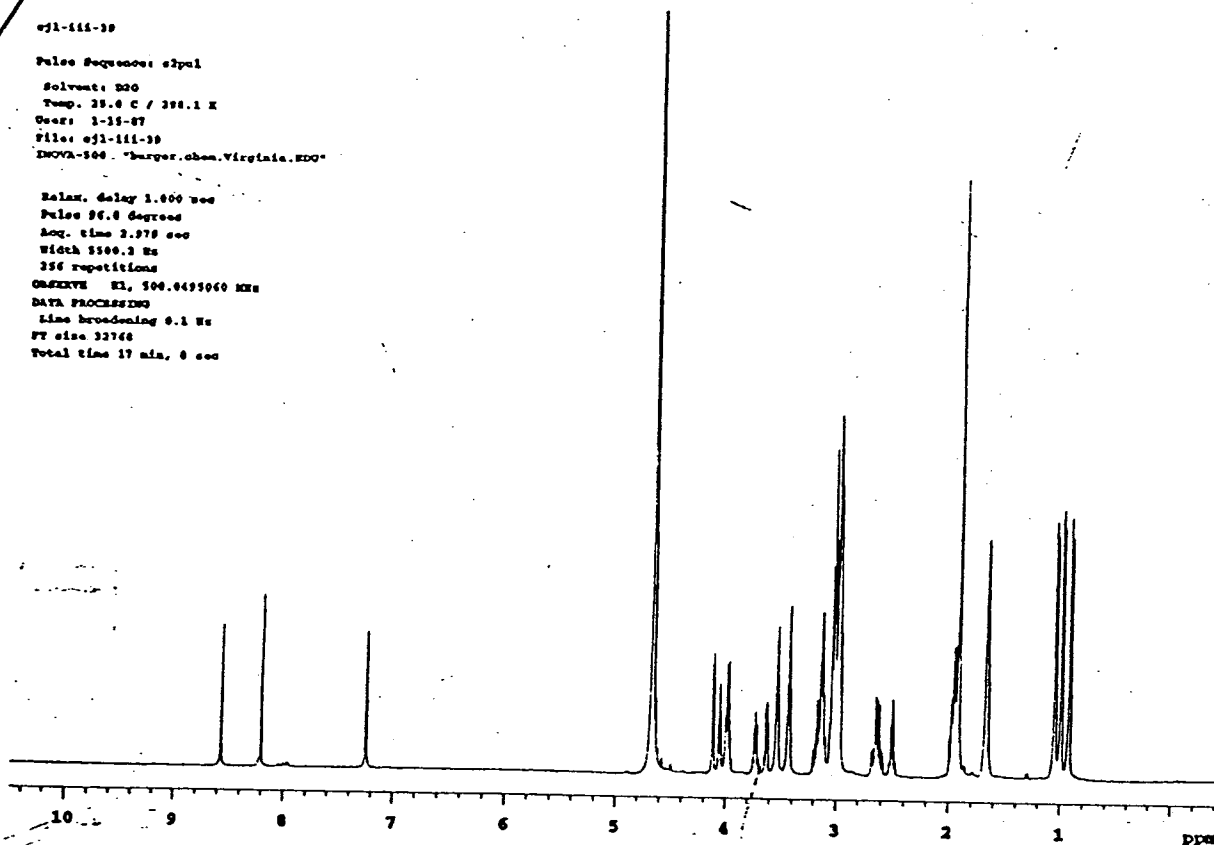
Yield 1.72 mg (38%)

Mass spectrum (electrospray) 1148.7 (M + H)⁺

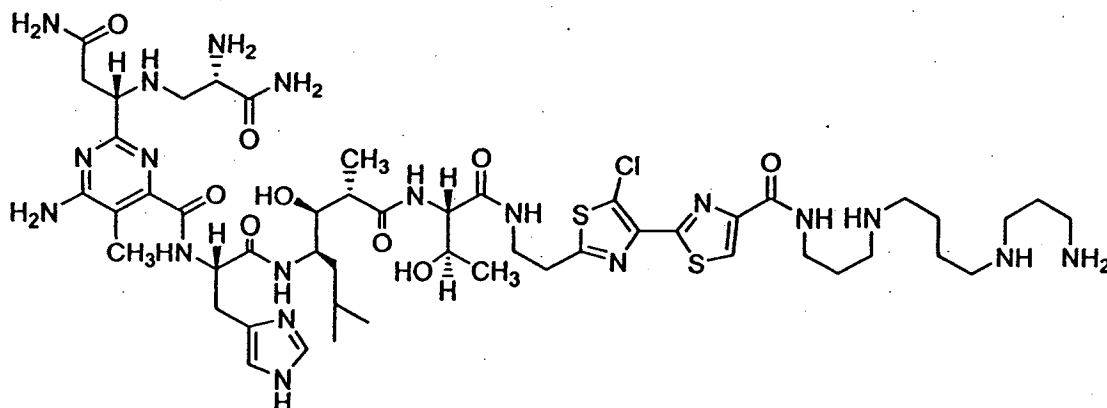
cjl-iii-39

Pulse Sequence: sfpul
Solvent: D2O
Temp. 25.0 C / 298.1 K
Date: 1-15-07
File: cjl-iii-39
INOVA-500 "barger.chem.virginia.EDU"

Relax. delay 1.000 sec
Pulse 26.0 degrees
Acq. time 2.978 sec
Width 5500.3 Hz
356 repetitions
OBSERVE F1, 500.0435060 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min, 0 sec



CJL-74
CJL-iii-41



$C_{50}H_{80}ClN_{19}O_9S_2$
Exact Mass: 1189.55
Mol. Wt.: 1190.88

C, 50.43; H, 6.77; Cl, 2.98; N, 22.35; O, 12.09; S, 5.39

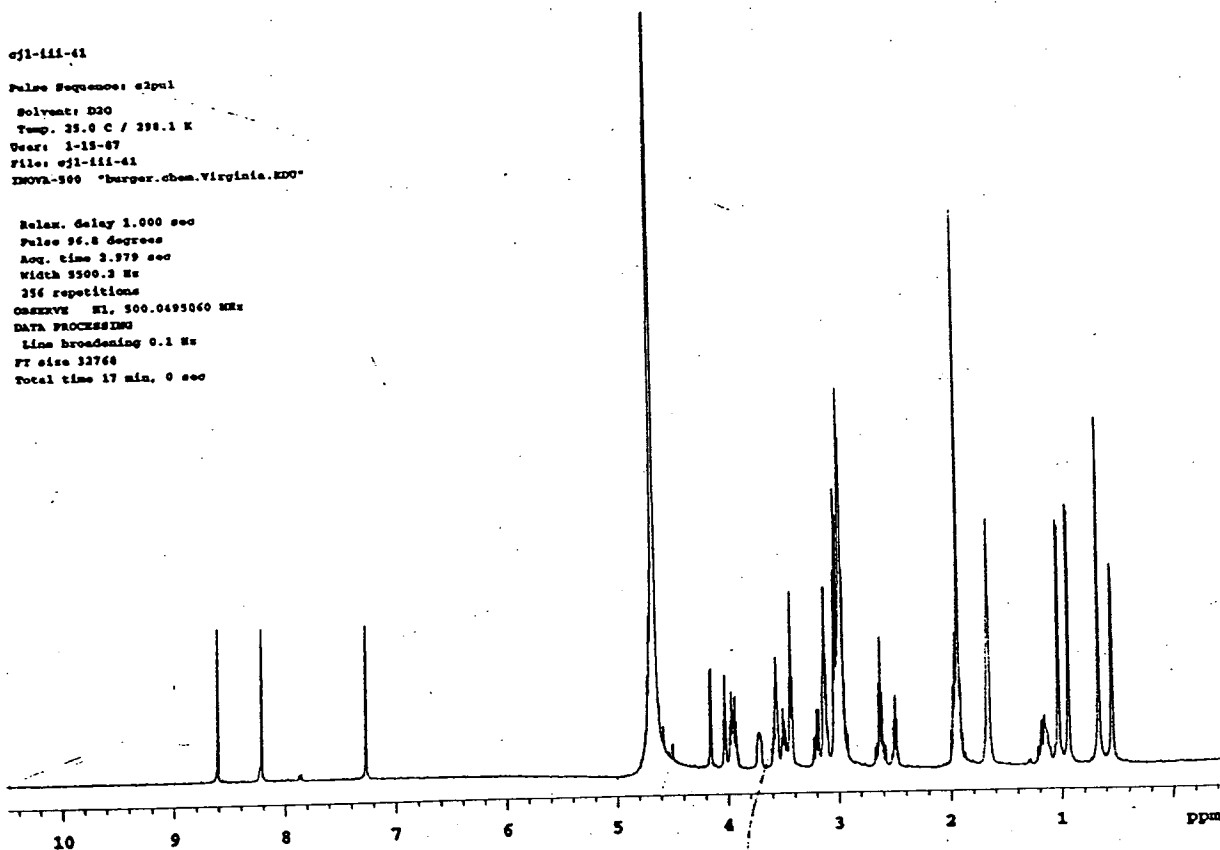
Yield 1.66 mg (36%)

Mass spectrum (electrospray) 1190.8 (M + H)⁺

cjl-iii-41

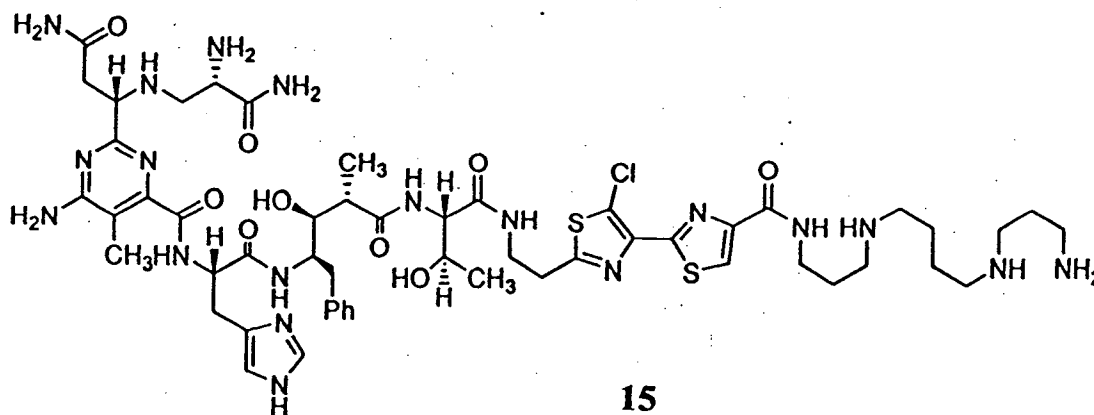
Pulse Sequence: g2pul
Solvent: D2O
Temp. 25.0 C / 298.1 K
Date: 1-15-07
File: cjl-iii-41
INOVA-500 "burger.chem.Virginia.KDD"

Relax. Delay 1.000 sec
Pulse 56.8 degrees
Acq. time 3.979 sec
Width 5500.3 Hz
356 repetitions
OSQWV 61. 500.0495060 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min. 0 sec



S101

CJL-75
CJL-iii-43



$C_{53}H_{78}ClN_{19}O_9S_2$
Exact Mass: 1223.54
Mol. Wt.: 1224.89

C, 51.97; H, 6.42; Cl, 2.89; N, 21.73; O, 11.76; S, 5.24

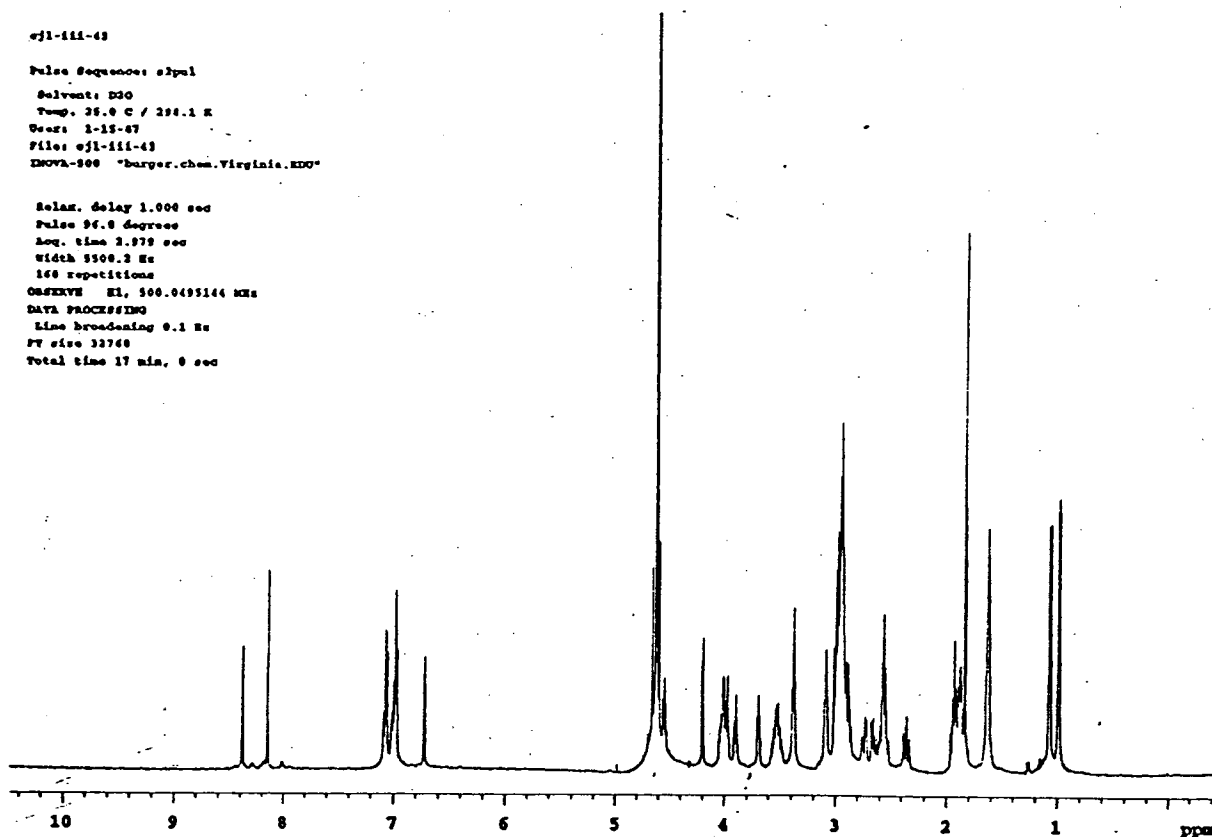
Yield 1.10 mg (23%)

Mass spectrum (electrospray) 1224.8 (M + H)⁺

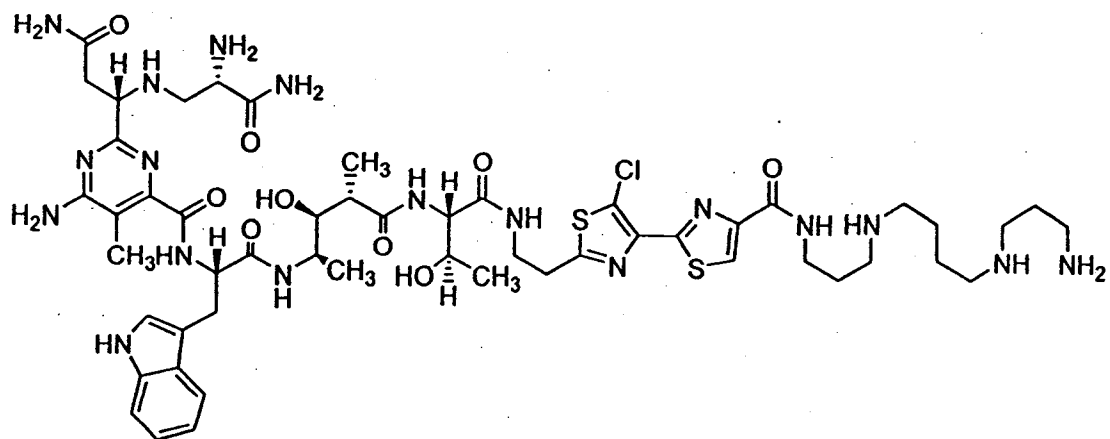
cjl-iii-43

Pulse sequence: zgpg30
Solvent: D2O
Temp: 25.0 C / 298.1 K
Date: 1-15-07
File: cjl-iii-43
DSOVA-900 "burger.chm.Virginia.KNO"

Relax. delay 1.000 sec
Pulse 90.0 degree
Acq. time 2.779 sec
Width 5500.2 Hz
100 Repetitions
OBSERVED F1, 500.0(95144) MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min, 0 sec



CJL-76*
CJL-iii-45



$C_{52}H_{77}ClN_{18}O_9S_2$
Exact Mass: 1196.53
Mol. Wt.: 1197.87
C, 52.14; H, 6.48; Cl, 2.96; N, 21.05; O, 12.02; S, 5.35

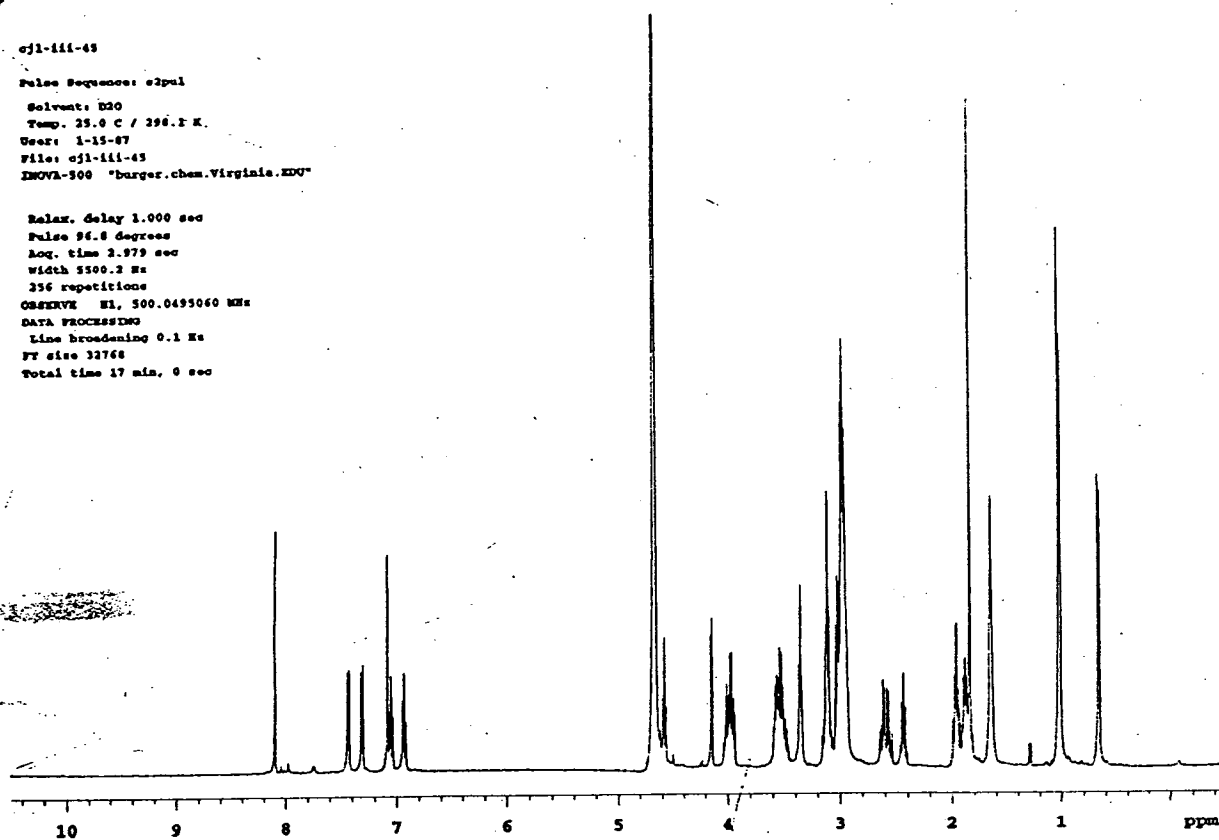
Yield 1.99 mg (43%)

Mass spectrum (electrospray) 1197.7 (M + H)⁺

cjl-iii-45

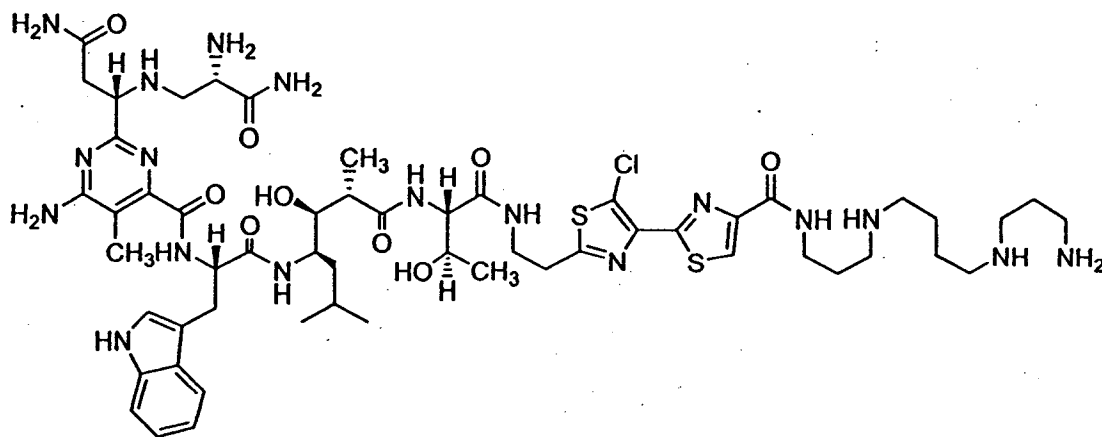
Pulse Sequence: e2pul
Solvent: H2O
Temp: 25.0 C / 298.1 K.
User: 1-15-87
File: cjl-iii-45
INOVA-500 "burger.chem.Virginia.KDU"

Relax. delay 1.000 sec
Pulse 94.8 degrees
Acq. time 2.979 sec
width 5500.2 Hz
356 repetitions
OBSERVE H1, 500.0495060 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min, 0 sec



S103

CJL-77
Cjl-iii-47



$C_{55}H_{83}ClN_{18}O_9S_2$
Exact Mass: 1238.57
Mol. Wt.: 1239.95
C, 53.28; H, 6.75; Cl, 2.86; N, 20.33; O, 11.61; S, 5.17

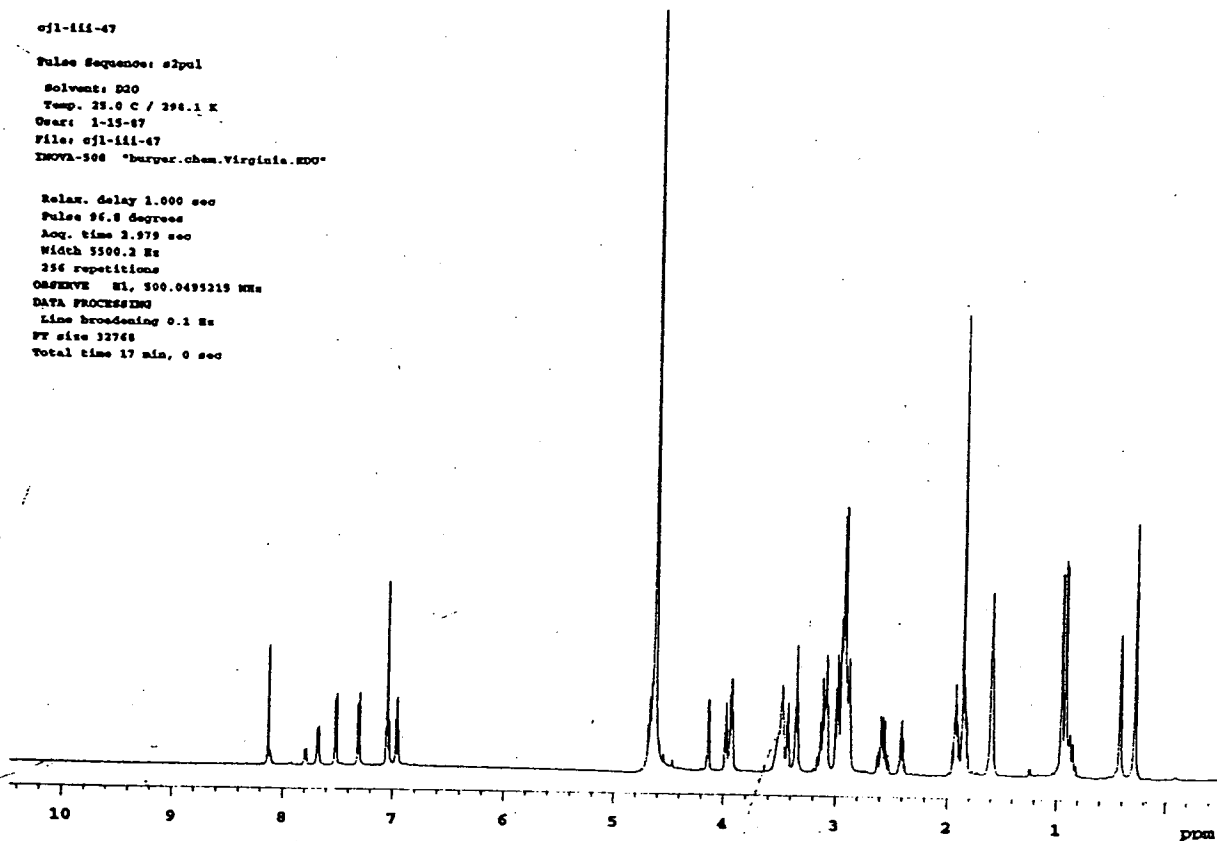
Yield 1.70 mg (35%)

Mass spectrum (electrospray) 1239.7 (M + H)⁺

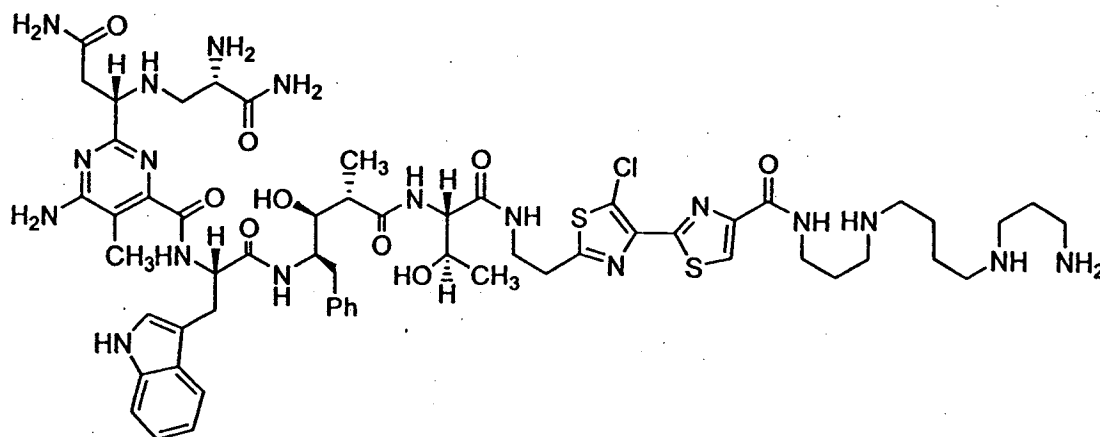
cjl-iii-47

Pulse Sequence: s2pul
Solvent: D2O
Temp: 25.0 C / 298.1 K
Qcar: 1-15-07
File: cjl-iii-47
INOVA-500 "burper.chem.virginia.edu"

Relax. delay 1.000 sec
Pulse 96.8 degrees
Acq. time 2.979 sec
Width 5500.2 Hz
256 repetitions
OBSERVE H1, 500.0495215 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min, 0 sec



CJL-78⁺
Cjl-iii-49



$C_{58}H_{81}ClN_{18}O_9S_2$
Exact Mass: 1272.56
Mol. Wt.: 1273.96
C, 54.68; H, 6.41; Cl, 2.78; N, 19.79; O, 11.30; S, 5.03

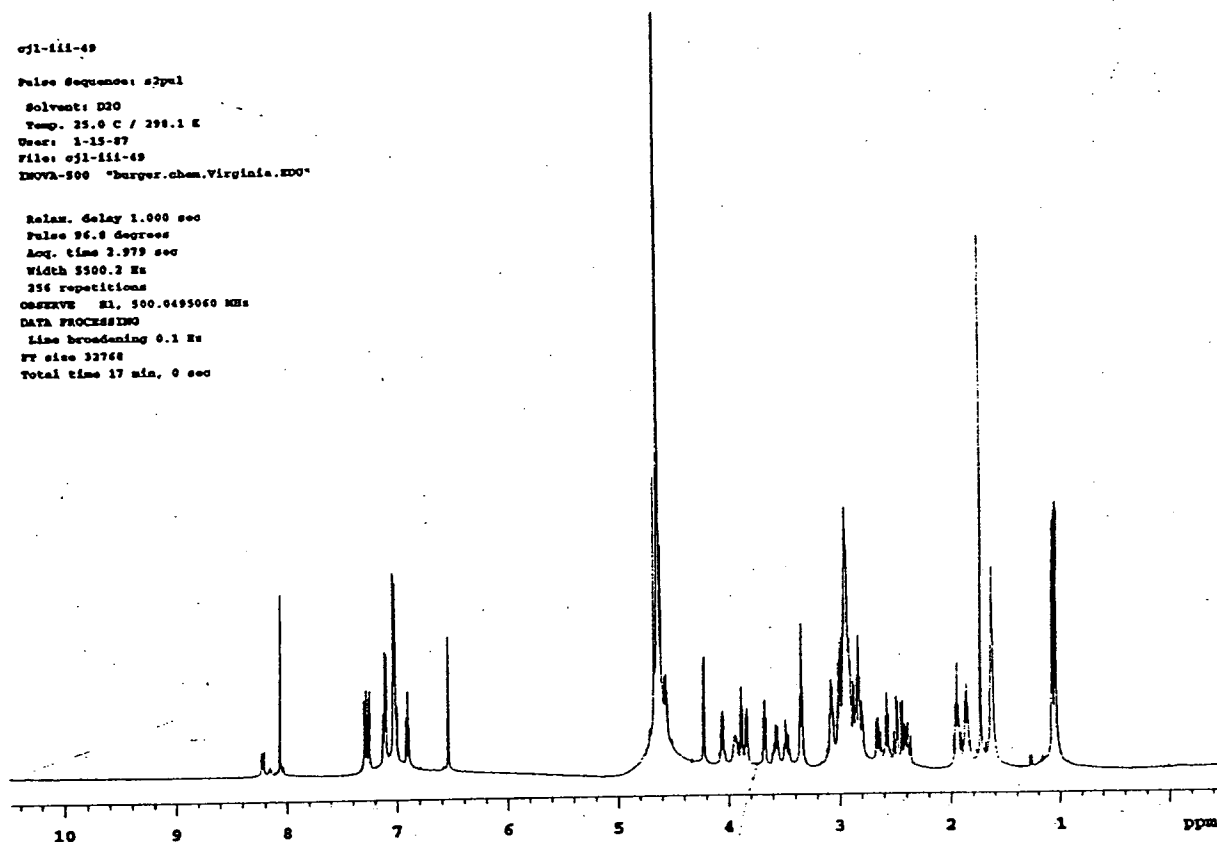
Yield 1.46 mg (29%)

Mass spectrum (electrospray) 1273.7 (M + H)⁺

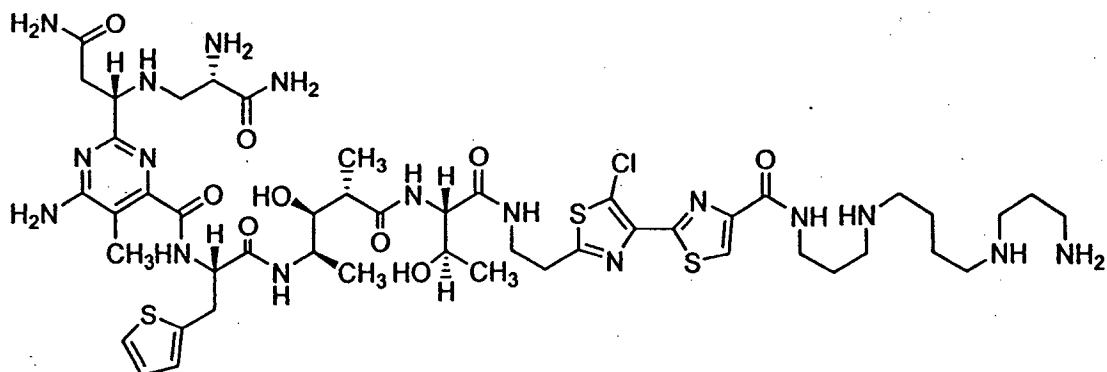
cjl-iii-49

Pulse Sequence: zgpg1
Solvent: D2O
Temp. 25.0 C / 298.1 K
Date: 1-15-87
File: cjl-iii-49
INOVA-500 "burger.chem.Virginia.EDU"

Relax. delay 1.000 sec
Pulse 96.8 degrees
Acq. time 2.979 sec
Width 5500.2 Hz
356 repetitions
OBSERVE RL 500.0495060 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min, 0 sec



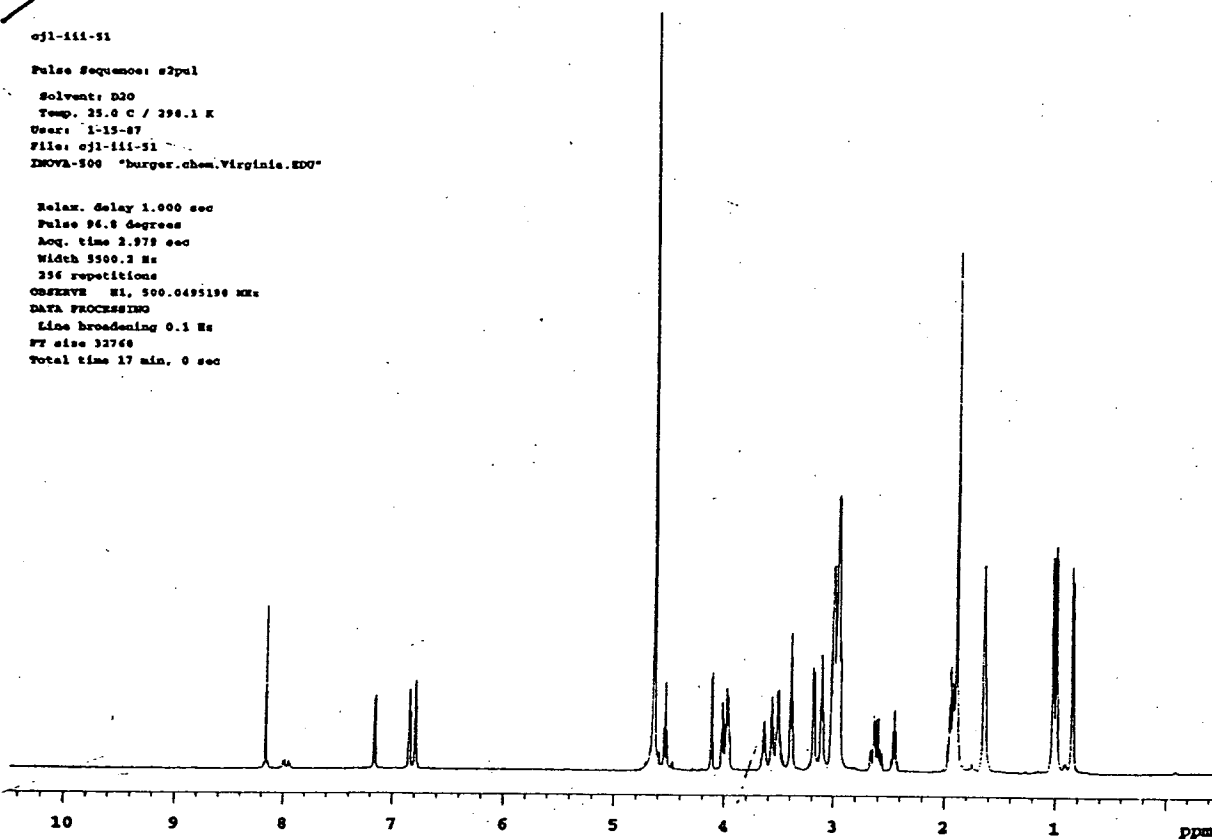
CJL-79:
Cj1-iii-51



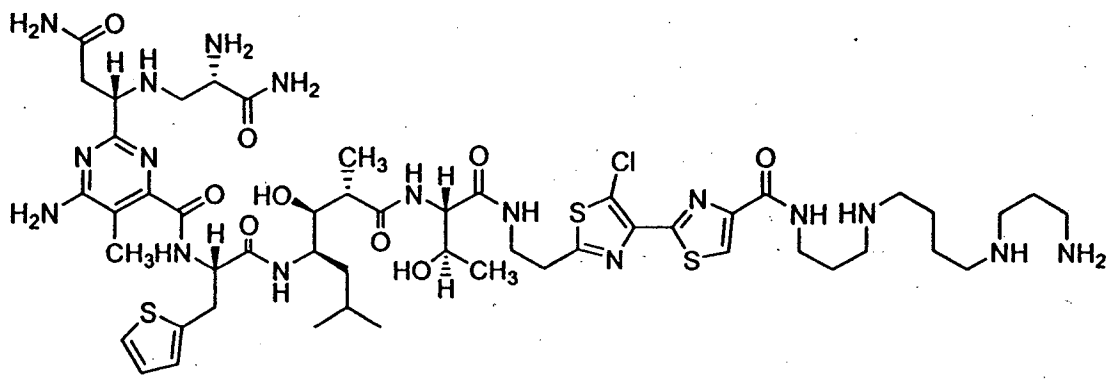
$C_{48}H_{74}ClN_{17}O_9S_3$
Exact Mass: 1163.47
Mol. Wt.: 1164.86
C, 49.49; H, 6.40; Cl, 3.04; N, 20.44; O, 12.36; S, 8.26

Yield 1.32 mg (29%)

Mass spectrum (electrospray) 1164.6 (M + H)⁺

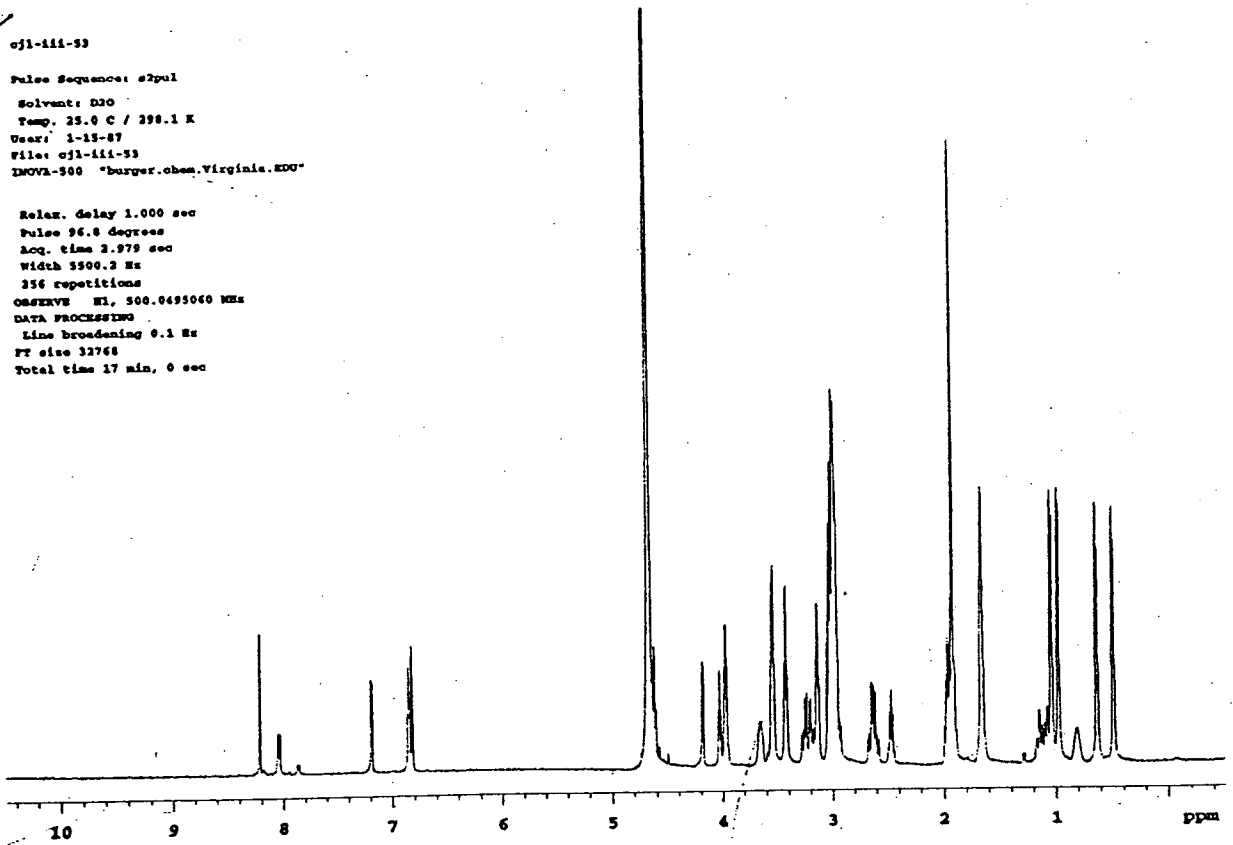


CJL-80
Cjl-iii-53

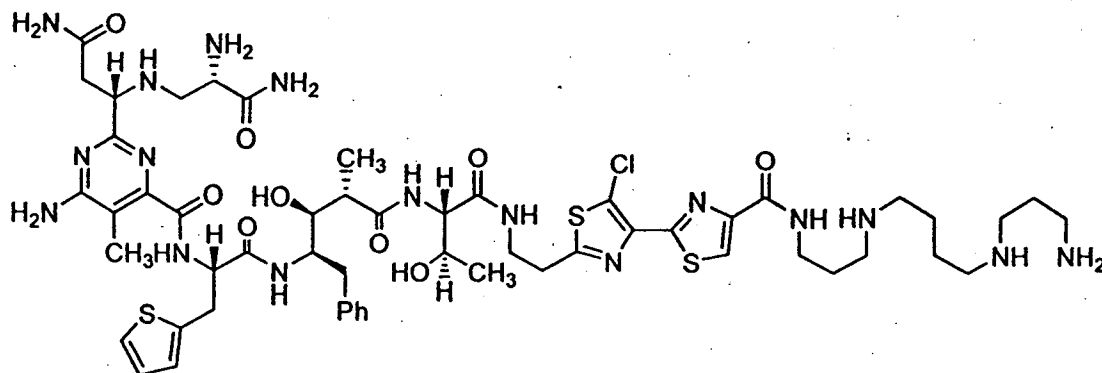


$C_{51}H_{80}ClN_{17}O_9S_3$
Exact Mass: 1205.52
Mol. Wt.: 1206.94
C, 50.75; H, 6.68; Cl, 2.94; N, 19.73; O, 11.93; S, 7.97

Yield 1.19 mg (25%)
Mass spectrum (electrospray) 1206.6 (M + H)⁺



CJL-81
CJL-iii-55



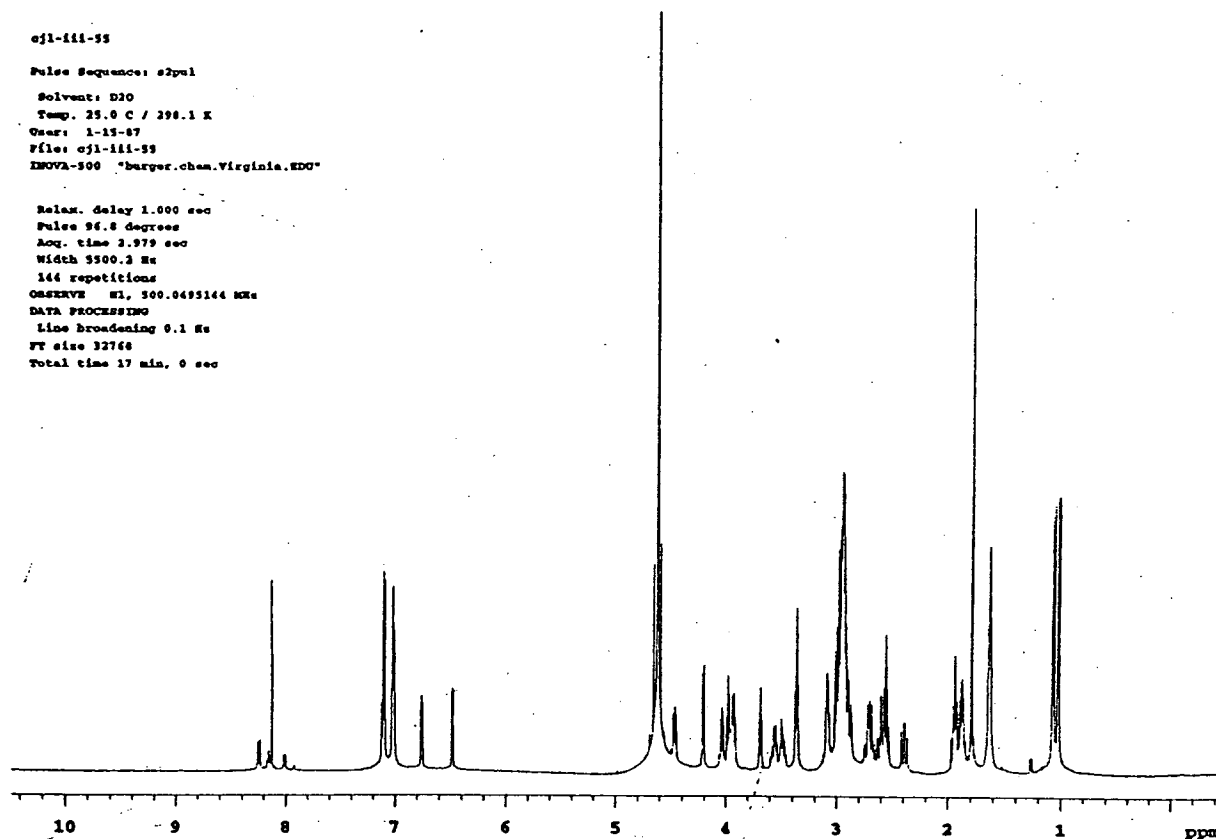
$C_{54}H_{78}ClN_{17}O_9S_3$
Exact Mass: 1239.50
Mol. Wt.: 1240.96
C, 52.26; H, 6.34; Cl, 2.86; N, 19.19; O, 11.60; S, 7.75

Yield 1.35 mg (28%)
Mass spectrum (electrospray) 1240.5 (M + H)⁺

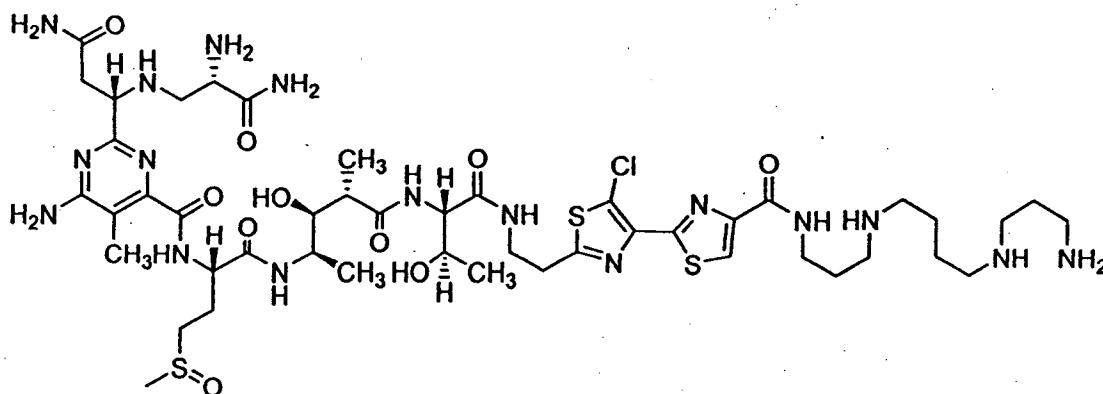
cjl-iii-55

Pulse Sequence: zgpg30
Solvent: D2O
Temp: 25.0 C / 298.1 K
Acq: 1-15-07
File: cjl-iii-55
INOVA-500 "barger.cham.Virginia.XDC"

Relax. delay 1.000 sec
Pulse 96.0 degrees
Acq. time 2.979 sec
Width 5500.3 Hz
144 repetitions
OBSERVE W1, 500.0495144 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min, 0 sec



CJL-82
Cjl-iii-57



$C_{46}H_{76}ClN_{17}O_{10}S_3$
Exact Mass: 1157.48
Mol. Wt.: 1158.85
C, 47.68; H, 6.61; Cl, 3.06; N, 20.55; O, 13.81; S, 8.30

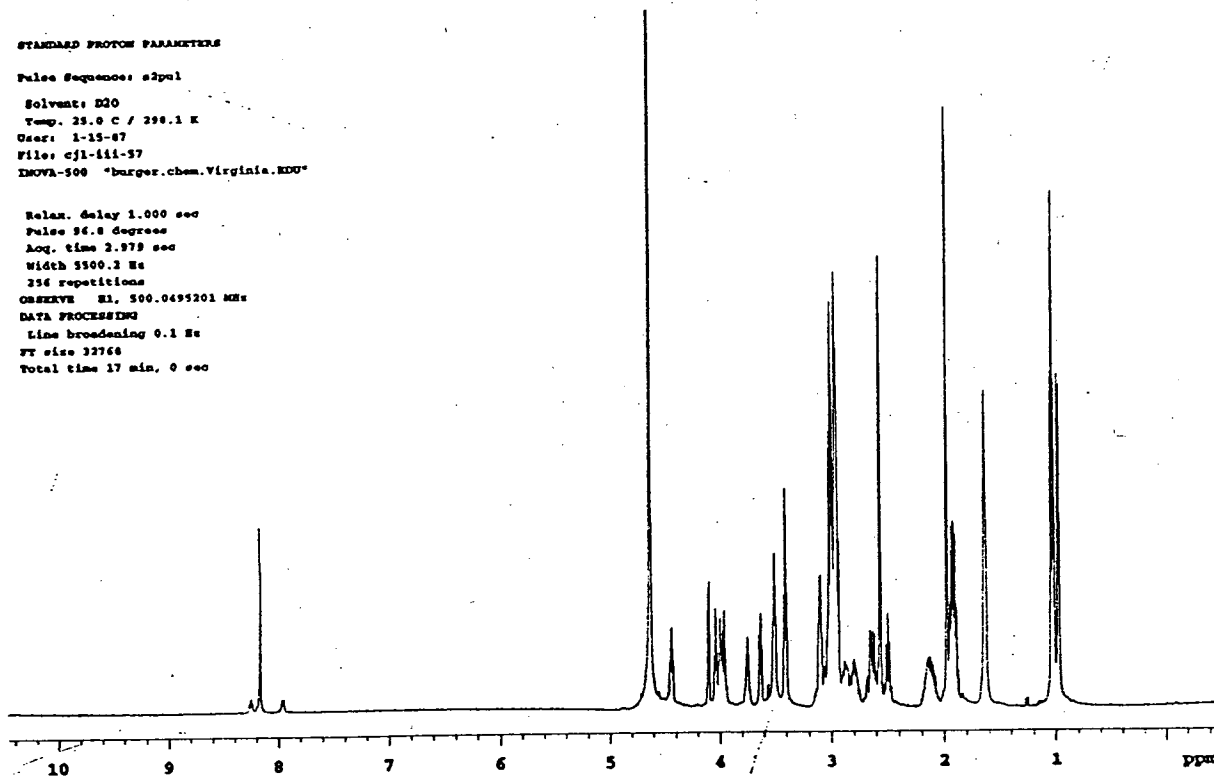
yield 1.19 (26%)

Mass spectrum (electrospray) 1158.5 (M + H)⁺

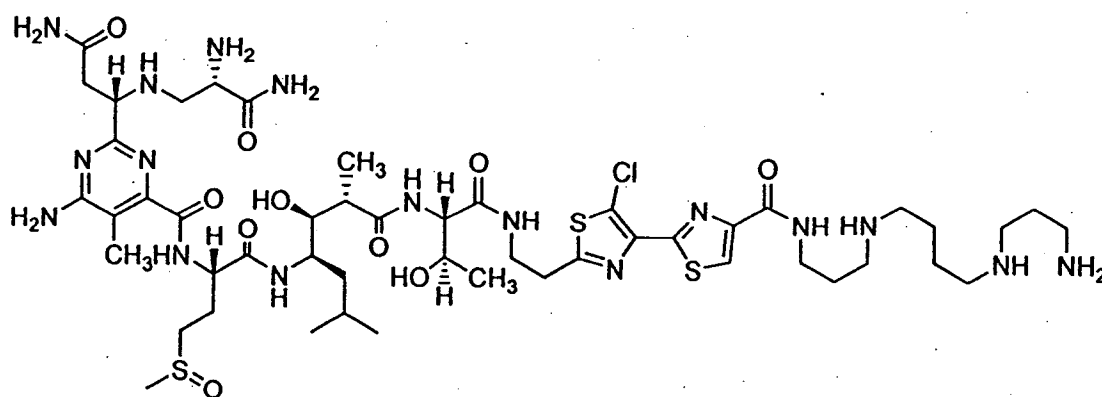
STANDARD PROTON PARAMETERS

Pulse Sequence: a2pul
Solvent: D2O
Temp. 25.0 C / 298.1 K
User: 1-15-87
File: cjl-iii-57
DMOVA-500 "burger.cbem.Virginia.KDU"

Relax. Delay 1.000 sec
Pulse 96.8 degrees
Acq. time 2.979 sec
Width 5500.2 Hz
256 repetitions
OBSERVE EL, 500.0495201 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min. 0 sec



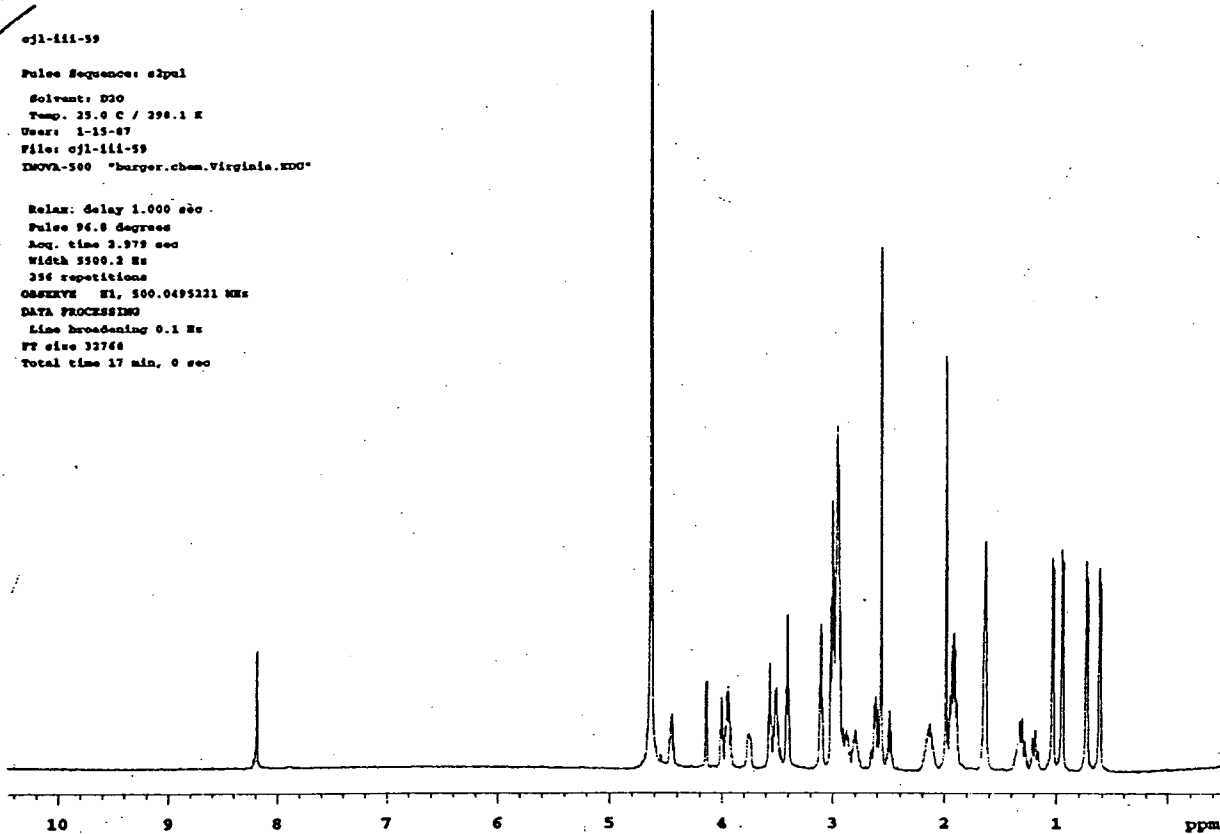
CJL-83
CJL-iii-59



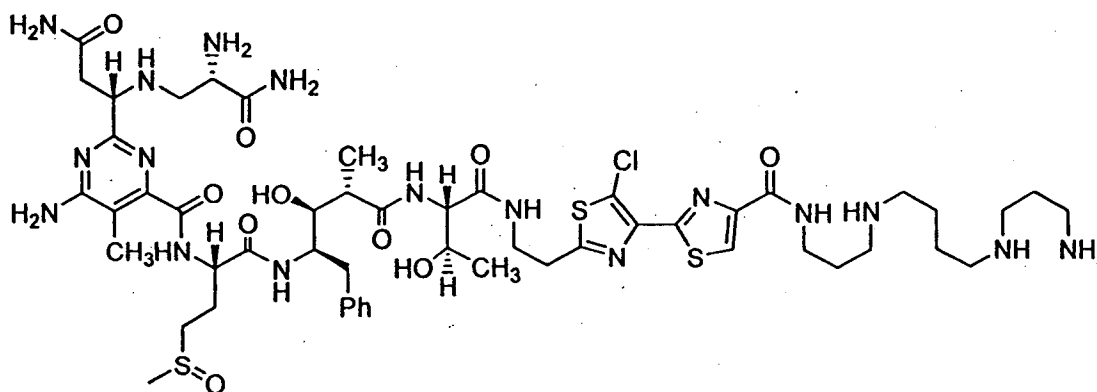
$C_{49}H_{82}ClN_{17}O_{10}S_3$
Exact Mass: 1199.53
Mol. Wt.: 1200.93
C, 49.01; H, 6.88; Cl, 2.95; N, 19.83; O, 13.32; S, 8.01

Yield 1.02 mg (22%)

Mass spectrum (electrospray) 1200.6 (M + H)⁺



CJL-84-1
 CJL-84-2
 CJL-iii-61



$C_{52}H_{80}ClN_{17}O_{10}S_3$
 Exact Mass: 1233.51
 Mol. Wt.: 1234.95

C, 50.57; H, 6.53; Cl, 2.87; N, 19.28; O, 12.96; S, 7.79

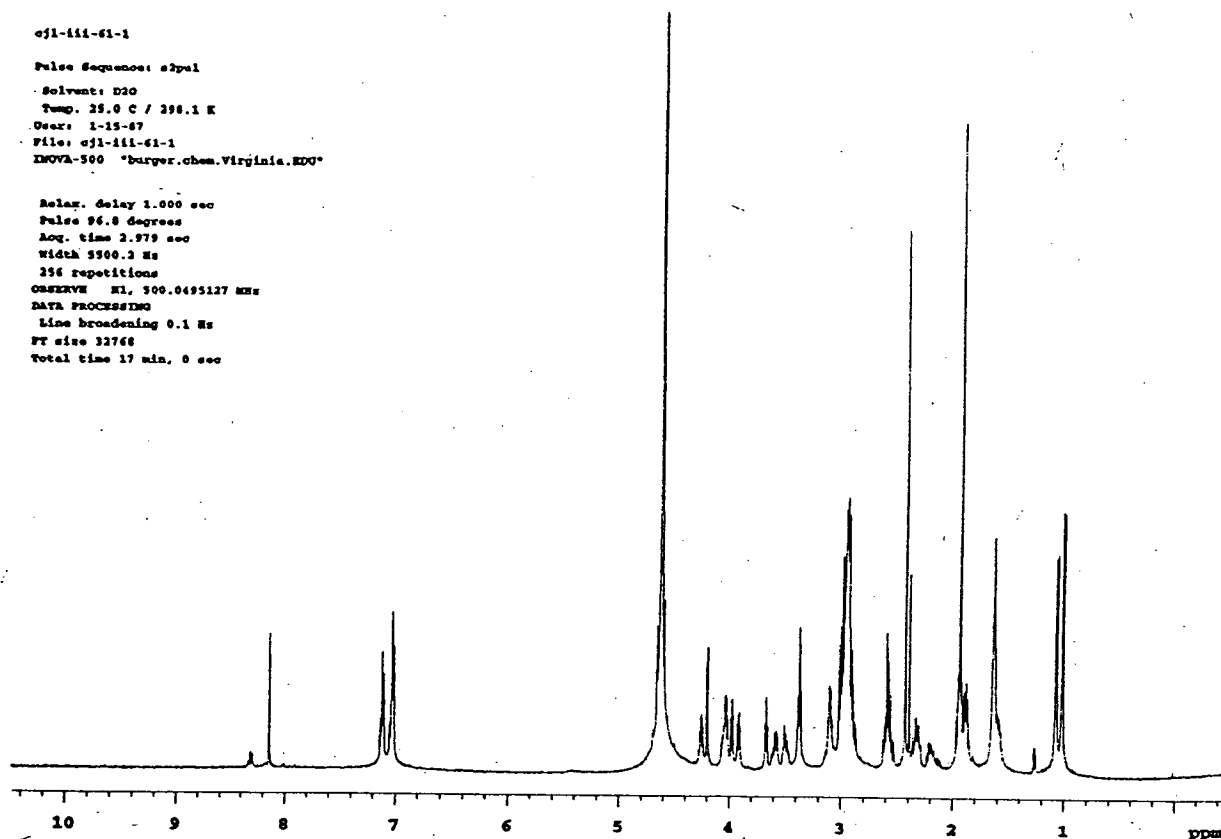
Yield (1) 998 μ g (41%)

Yield (2) 612 μ g (25%)

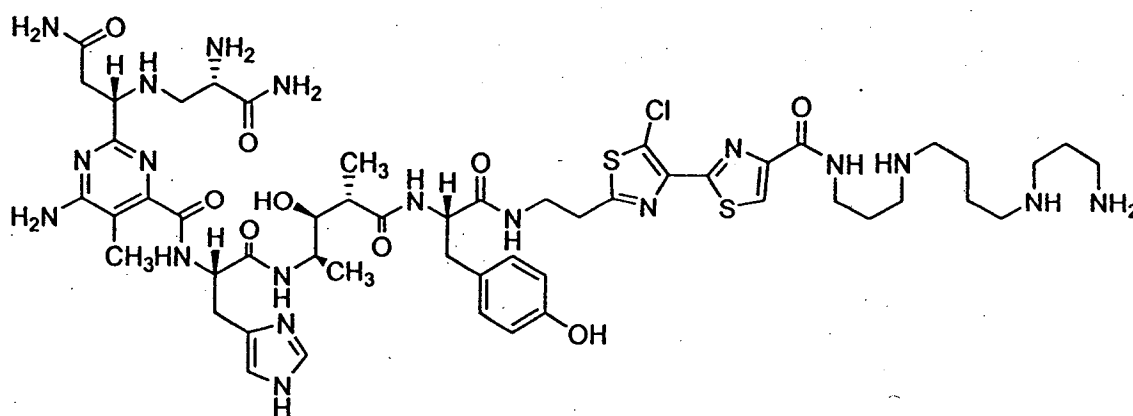
Mass spectrum (electrospray) 1234.5 (M + H)⁺

cjl-iii-61-1
 Pulse Sequence: zgpg1
 Solvent: D2O
 Temp. 25.0 C / 298.1 K
 Acq. 1-15-07
 File: cjl-iii-61-1
 INOVA-500 *burger.chem.Virginia.EDU*

Relax. Delay 1.000 sec
 Pulse 96.8 degrees
 Acq. time 2.979 sec
 Width 5500.2 Hz
 256 repetitions
 OBSERVE H1, 500.0495127 MHz
 DATA PROCESSING
 Line broadening 0.1 Hz
 FT size 32768
 Total time 17 min, 0 sec



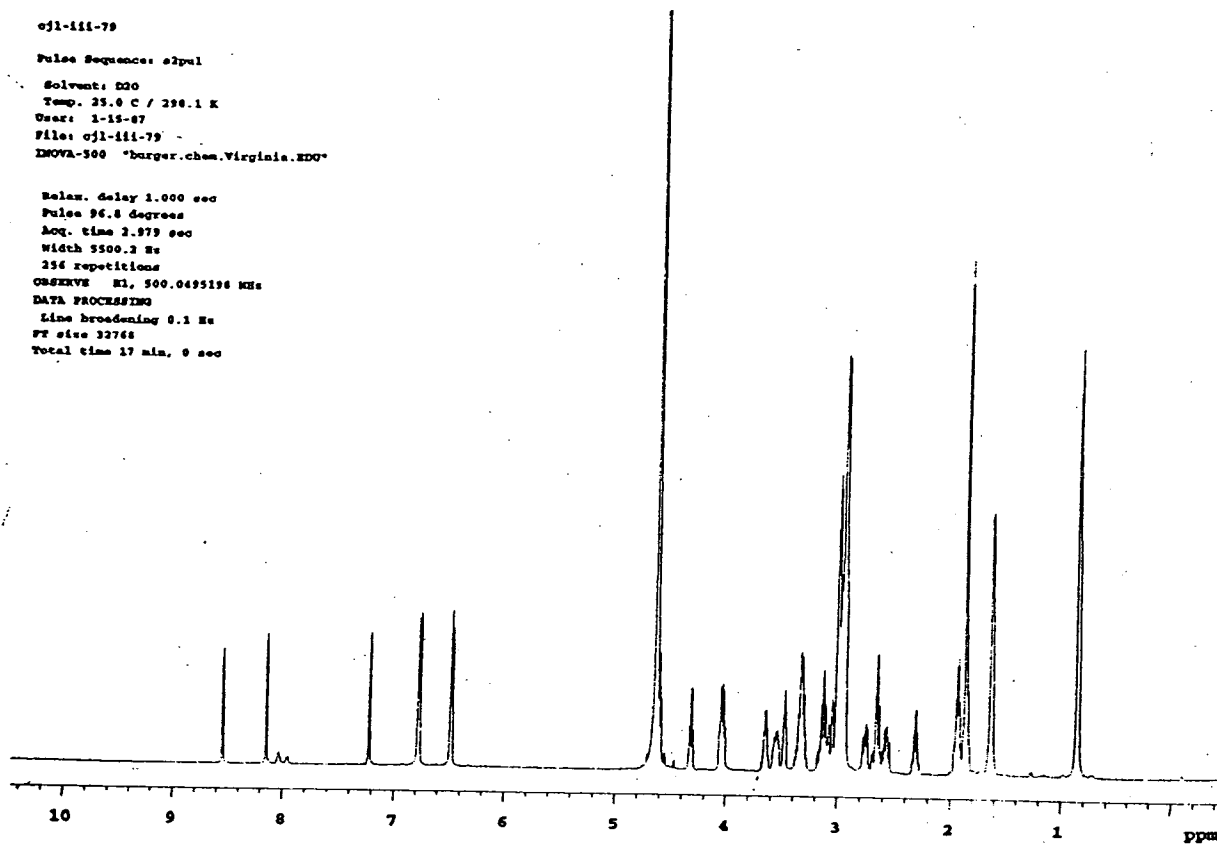
CJL-85
CJL-iii-79



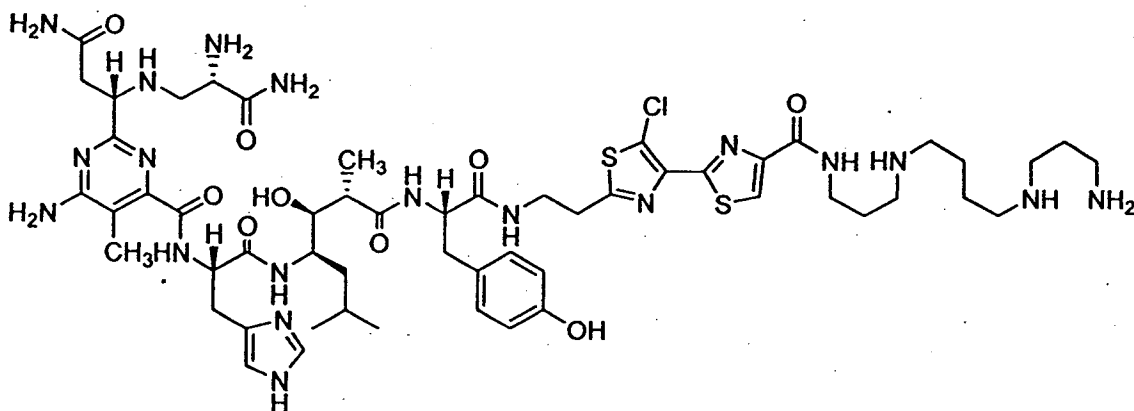
$C_{52}H_{76}ClN_{19}O_9S_2$
Exact Mass: 1209.52
Mol. Wt.: 1210.87
C, 51.58; H, 6.33; Cl, 2.93; N, 21.98; O, 11.89; S, 5.30

Yield 2.21 mg (47%)

Mass spectrum (electrospray) 1210.6 (M + H)⁺



CJL-86
cjl-iii-81



$C_{55}H_{82}ClN_{19}O_9S_2$
Exact Mass: 1251.57
Mol. Wt.: 1252.95
C, 52.72; H, 6.60; Cl, 2.83; N, 21.24; O, 11.49; S, 5.12

yield 1.89 mg (39%)

Mass spectrum (electrospray) 1252.7 (M + H)⁺

cjl-iii-81

Pulse Sequence: e3pul

Solvent: D2O

Temp. 25.0 C / 298.1 K

User: 1-15-87

File: cjl-iii-81

DAVA-500 "burger.chem.virginia.EDU"

Relax. delay 1.000 sec

Pulse 96.8 degree

Acq. time 2.979 sec

Width 5500.2 Hz

256 repetitions

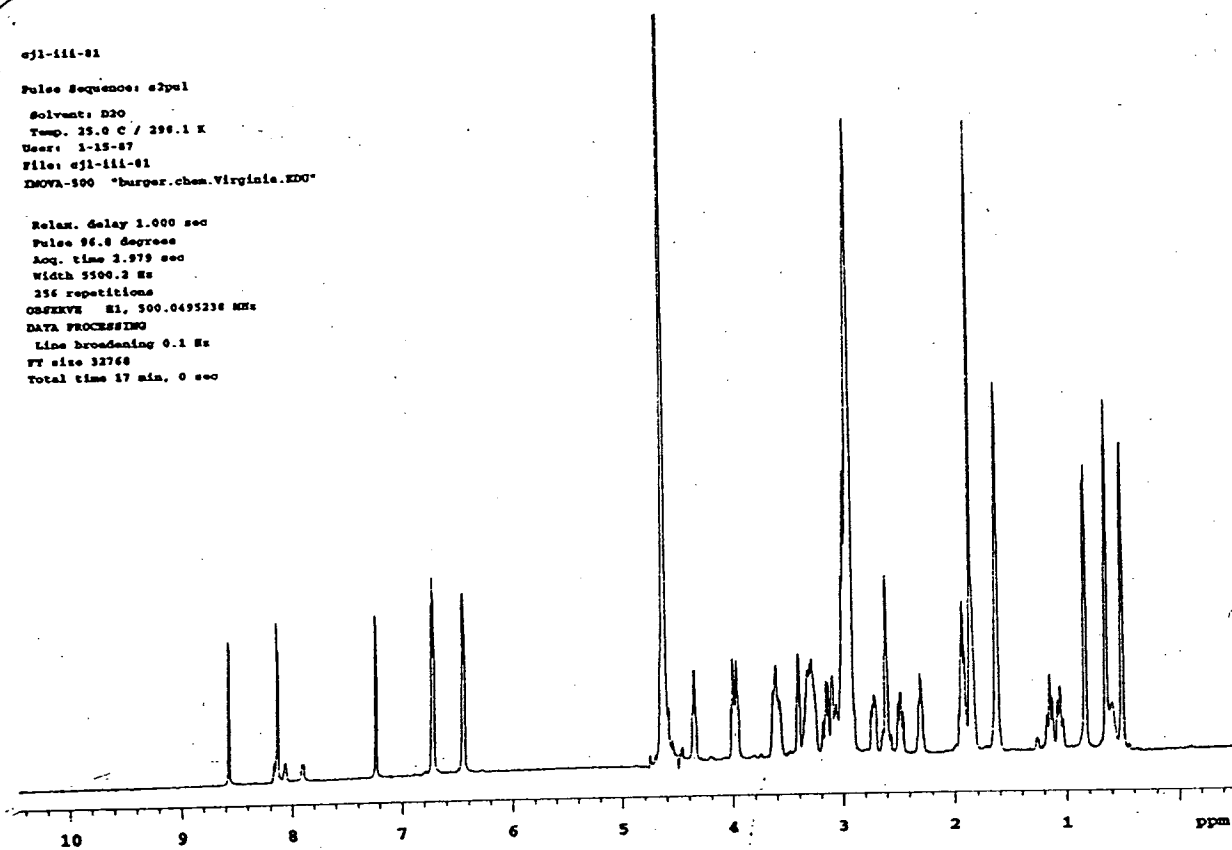
ORFEXVE S1, 500.0495238 MHz

DATA PROCESSING

Line broadening 0.1 Hz

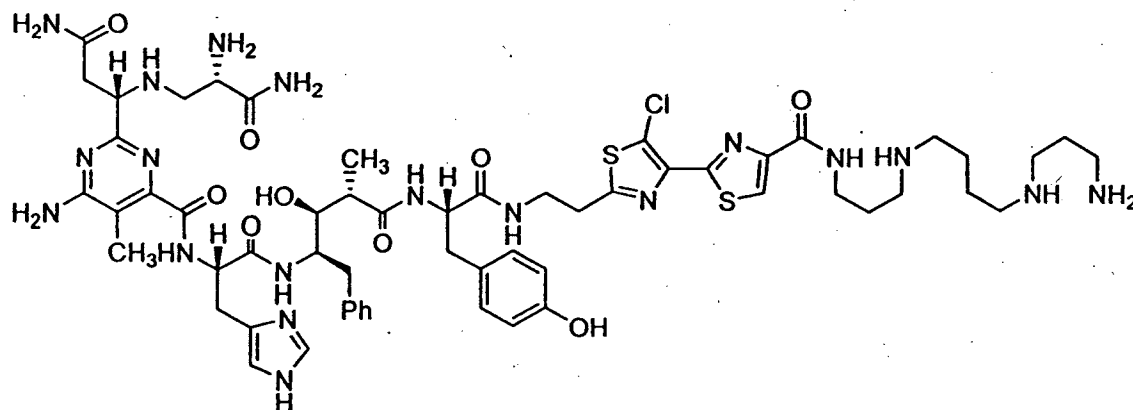
FT size 32768

Total time 17 min, 0 sec



S113

CJL-87
CJL-iii-83



$C_{58}H_{80}ClN_{19}O_9S_2$
Exact Mass: 1285.55
Mol. Wt.: 1286.96
C, 54.13; H, 6.27; Cl, 2.75; N, 20.68; O, 11.19; S, 4.98

Yield 2.88 mg (42%)

Mass spectrum (electrospray) 1286.6 (M + H)⁺

cjl-iii-83

Pulse Sequence: s2pul

Solvent: D2O

Temp. 25.0 C / 298.1 K

Acq. 1-15-87

File: cjl-iii-83

INOVA-500 "barger.chem.Virginia.EDU"

Relax. delay 1.000 sec

Pulse 94.8 degrees

Acq. time 2.979 sec

Width 5500.2 Hz

256 repetitions

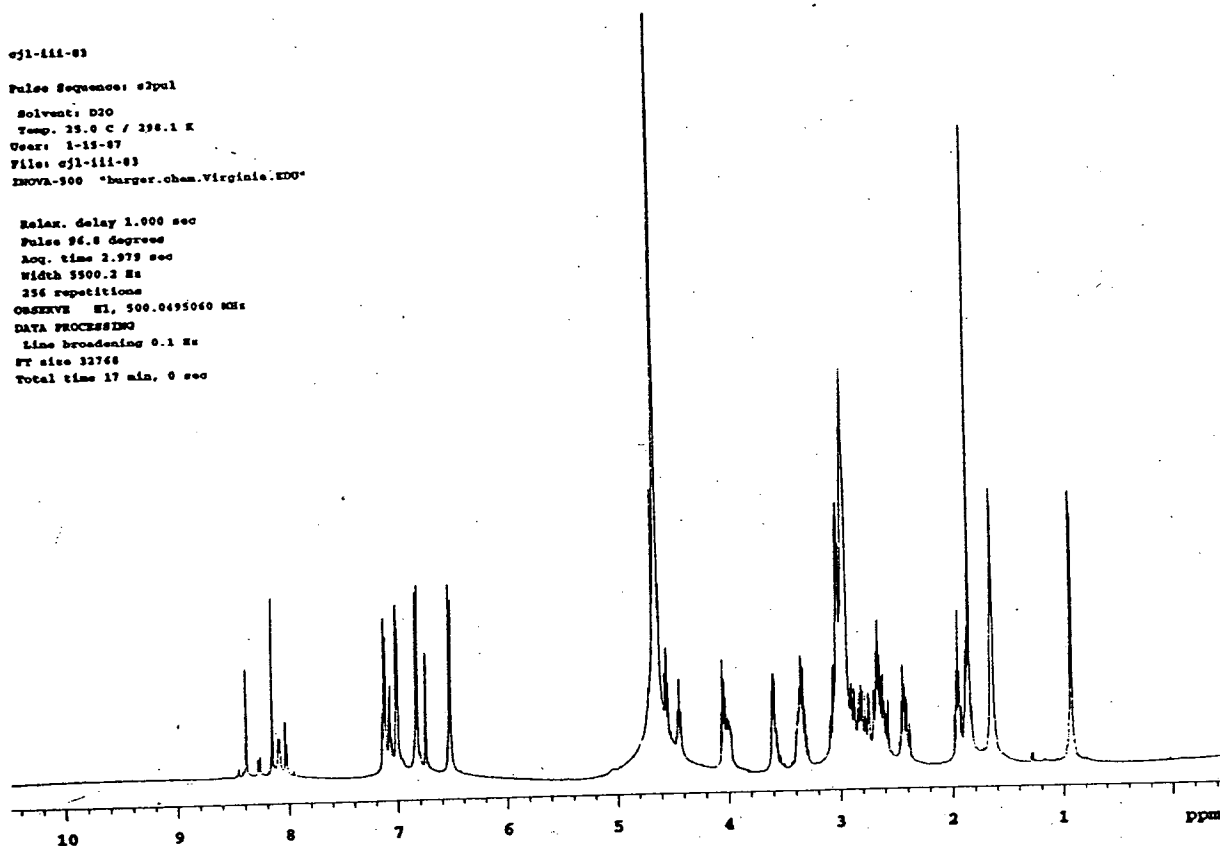
CASPERVE H1, 500.045060 MHz

DATA PROCESSING

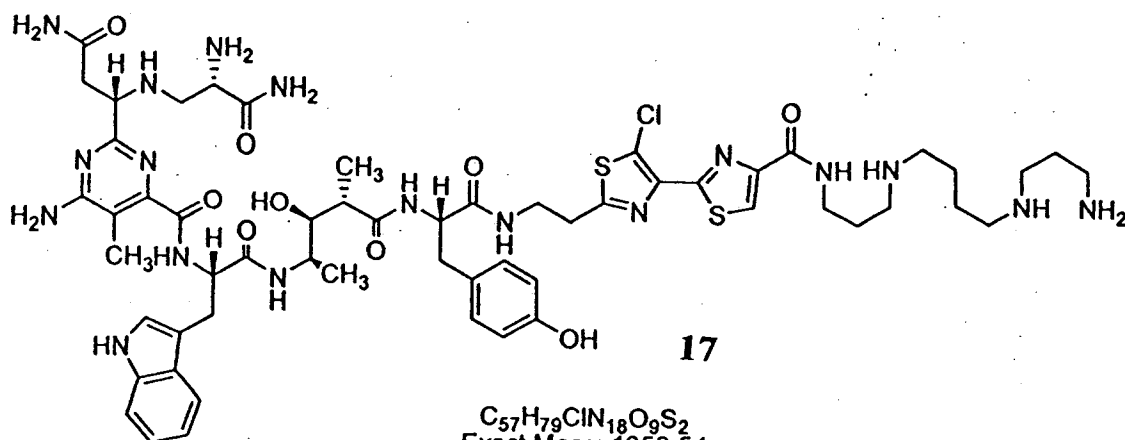
Line broadening 0.1 Hz

FT size 32768

Total time 17 min, 0 sec



CJL-88
Cjl-iii-85



$C_{57}H_{79}ClN_{18}O_9S_2$
Exact Mass: 1258.54
Mol. Wt.: 1259.94
C, 54.34; H, 6.32; Cl, 2.81; N, 20.01; O, 11.43; S, 5.09

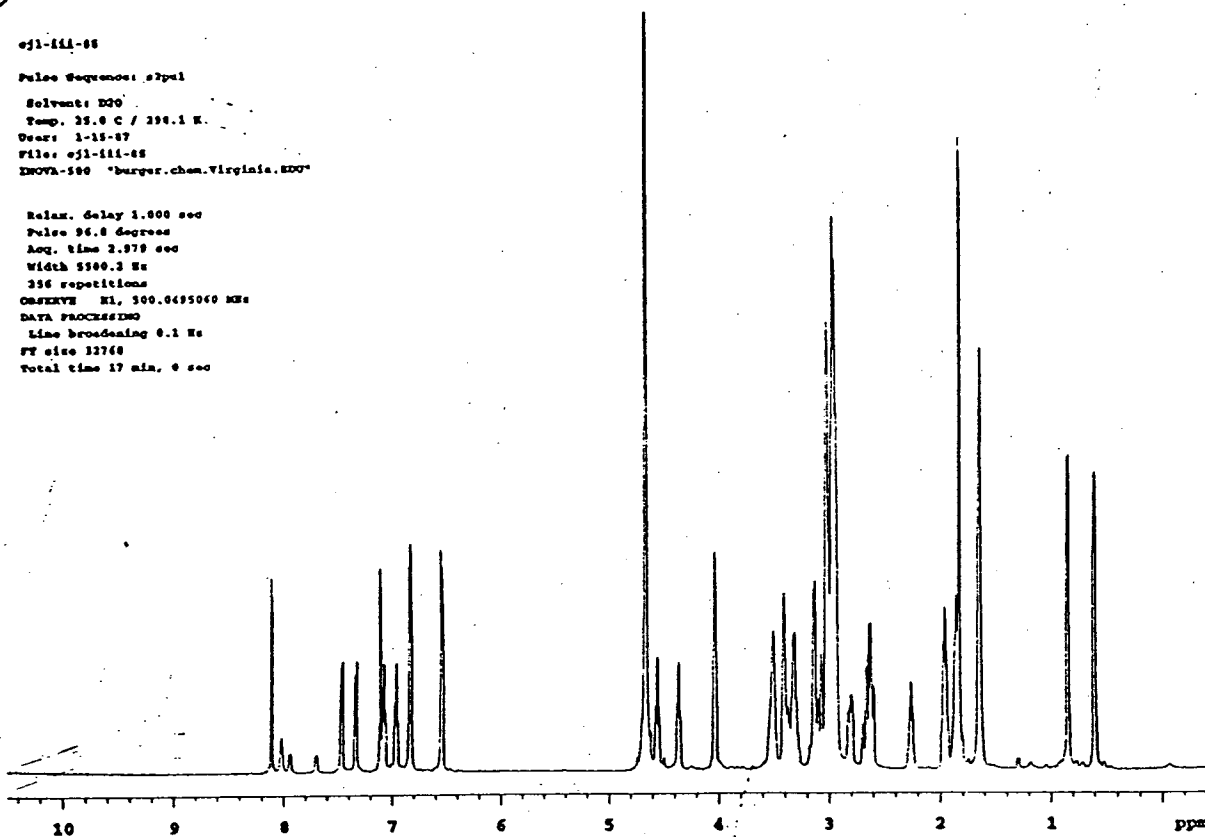
Yield 3.46 mg (70%)

Mass spectrum (electrospray) 1259.7 (M + H)⁺

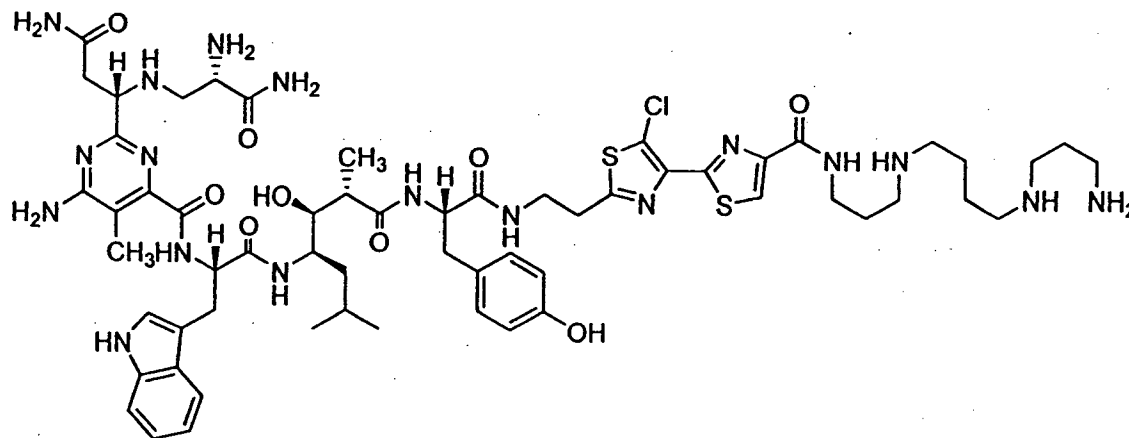
cjl-iii-85

Pulse Sequence: zgpg30
Solvent: D2O
Temp. 25.0 C / 298.1 K
Date: 1-15-07
File: cjl-iii-85
INOVA-500 "burger.chem.virginia.edu"

Relax. delay 1.000 sec
Pulse 96.0 degrees
Acq. time 2.879 sec
Width 5500.3 Hz
356 repetitions
OBSERVE H1, 500.0495060 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 12768
Total time 17 min, 0 sec



CJL-89
Cjl-iii-87



$C_{60}H_{85}ClN_{18}O_9S_2$
Exact Mass: 1300.59
Mol. Wt.: 1302.02
C, 55.35; H, 6.58; Cl, 2.72; N, 19.36; O, 11.06; S, 4.93

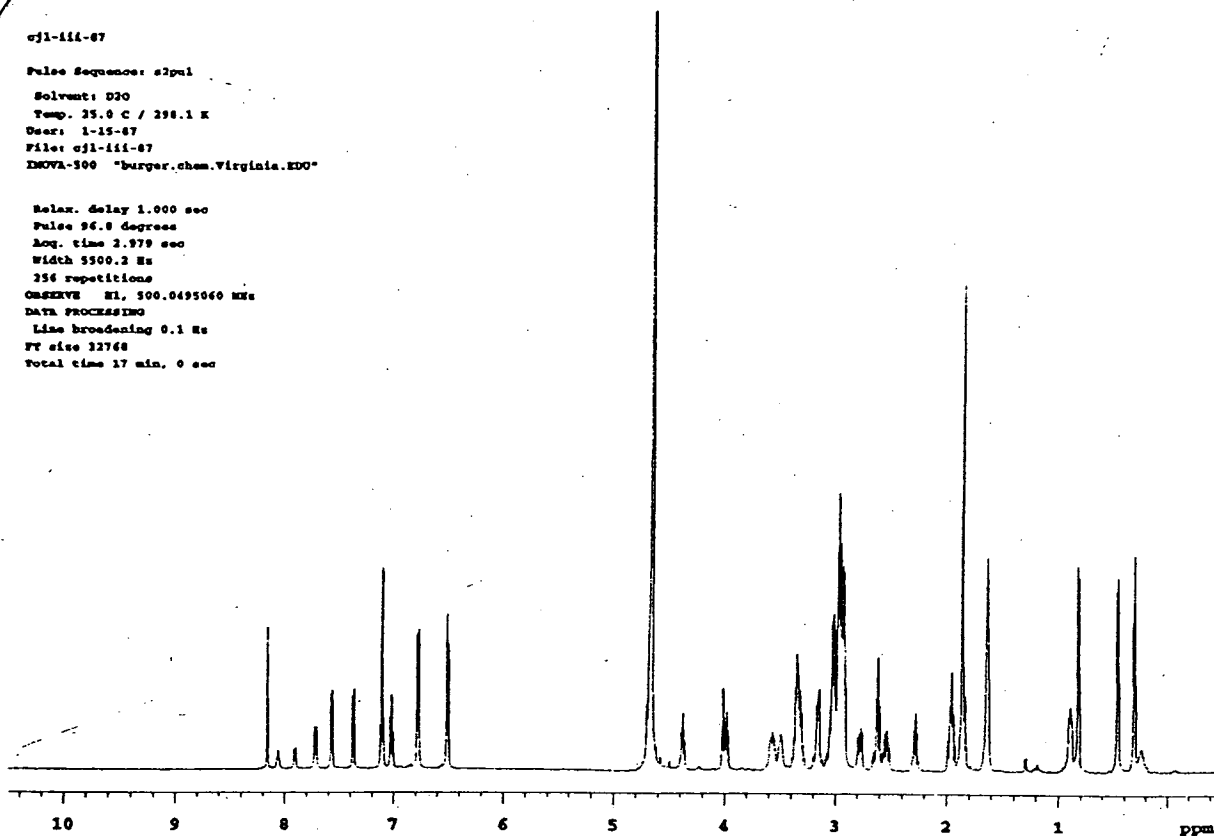
Yield 1.41 mg (28%)

Mass spectrum (electrospray) 1301.6 (M + H)⁺

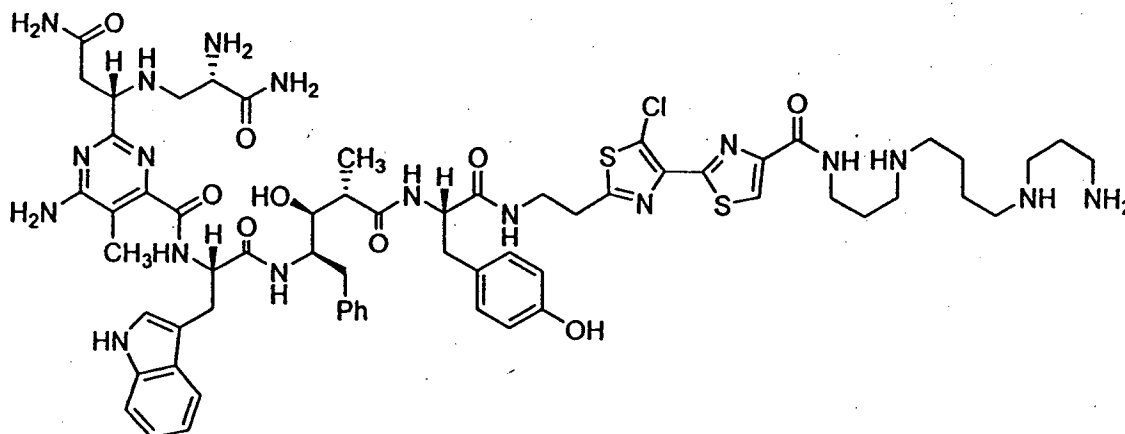
cjl-iii-87

Pulse Sequence: zgpg30
Solvent: D2O
Temp. 35.0 C / 298.1 K
User: 1-15-87
File: cjl-iii-87
INOVA-500 "burger.chem.Virginia.EDU"

Relax. delay 1.000 sec
Pulse 96.0 degree
Acq. time 2.579 sec
Width 5500.2 Hz
356 repetitions
OBSERVE HL 500.0495060 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min. 0 sec



CJL-90
CJL-iii-89



$C_{63}H_{83}ClN_{18}O_9S_2$
Exact Mass: 1334.57
Mol. Wt.: 1336.03
C, 56.64; H, 6.26; Cl, 2.65; N, 18.87; O, 10.78; S, 4.80

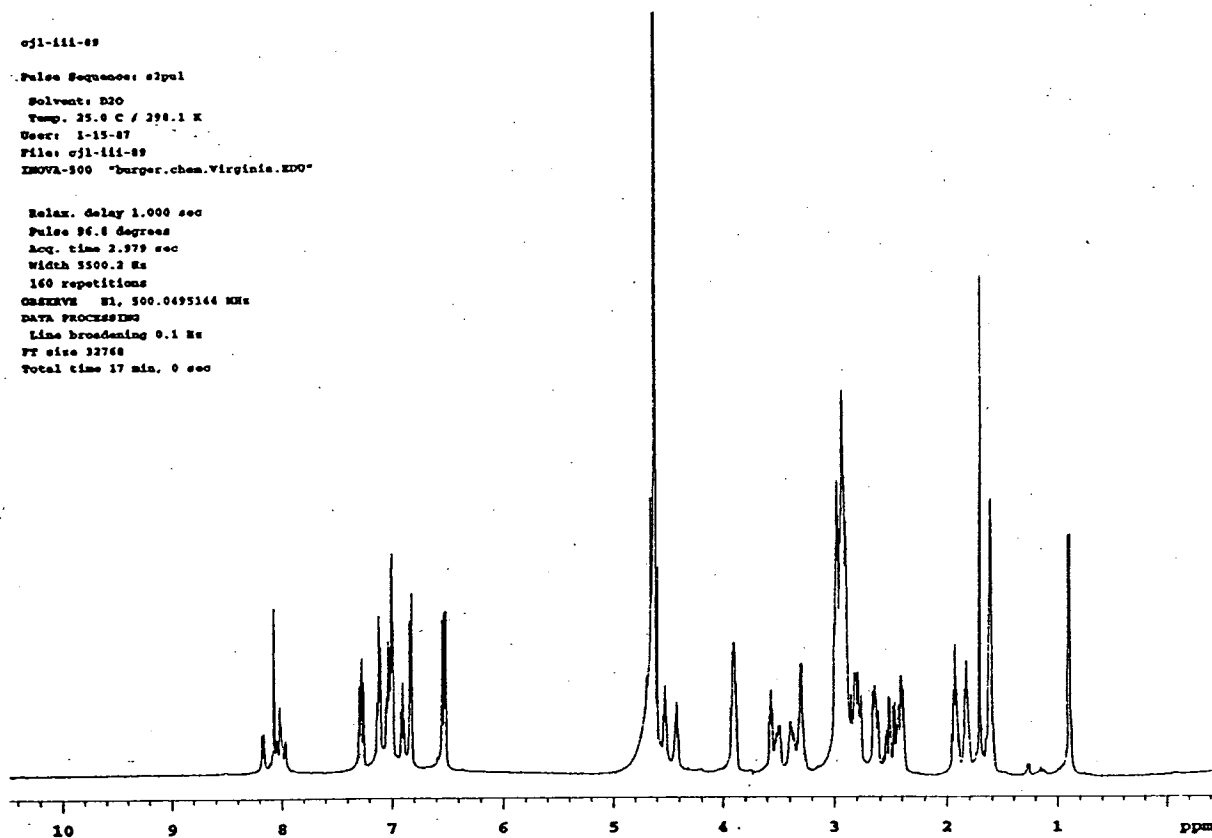
Yield 2.80 mg (54%)

Mass spectrum (electrospray) 1335.6 (M + H)⁺

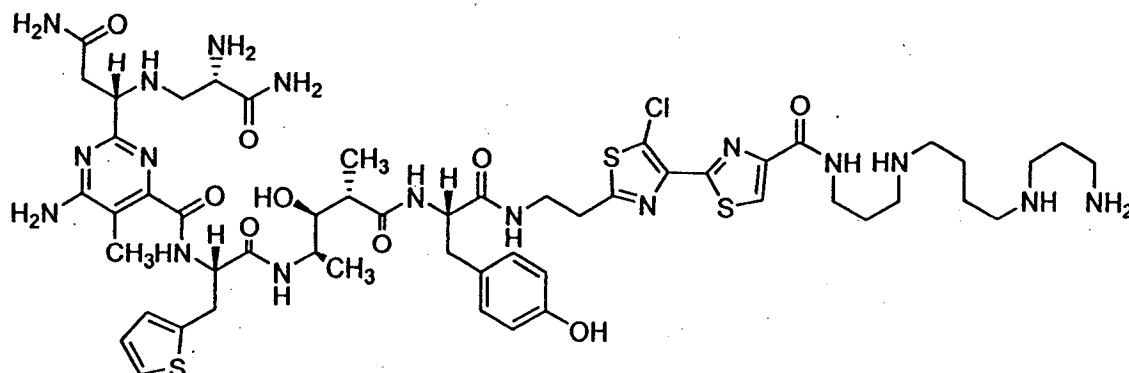
cjl-iii-89

Pulse Sequence: zgpg30
Solvent: D2O
Temp: 25.0 C / 298.1 K
User: 1-15-87
File: cjl-iii-89
INOVA-300 "burger.chem.virginia.EDU"

Relax. delay 1.000 sec
Pulse 96.8 degrees
Acq. time 2.979 sec
Width 5500.2 Hz
160 repetitions
OBSERVE E1, 500.0495144 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min, 0 sec



CJL-91
CJL-iii-91



$C_{53}H_{76}ClN_{17}O_9S_3$
Exact Mass: 1225.49
Mol. Wt.: 1226.93

C, 51.88; H, 6.24; Cl, 2.89; N, 19.41; O, 11.74; S, 7.84

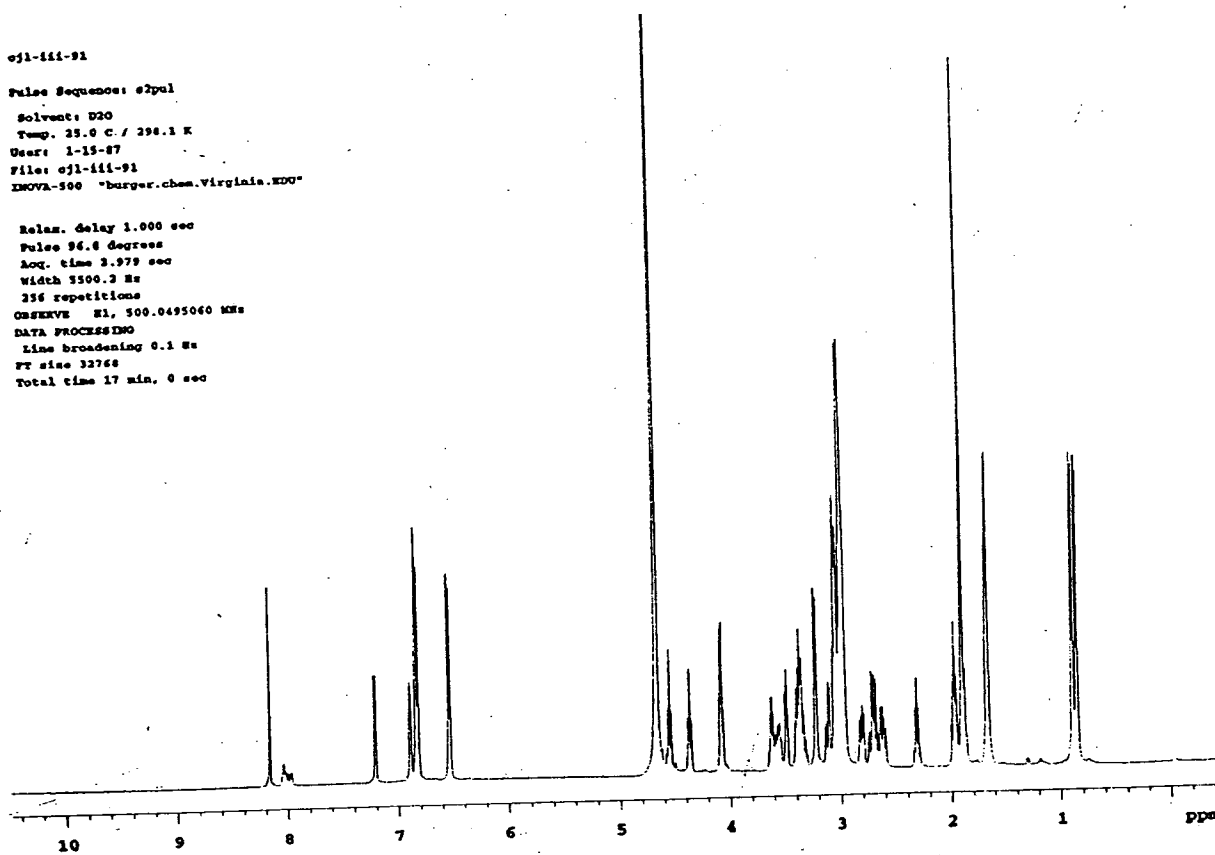
Yield 2.48 mg (52%)

Mass spectrum (electrospray) 1226.5 (M + H)⁺

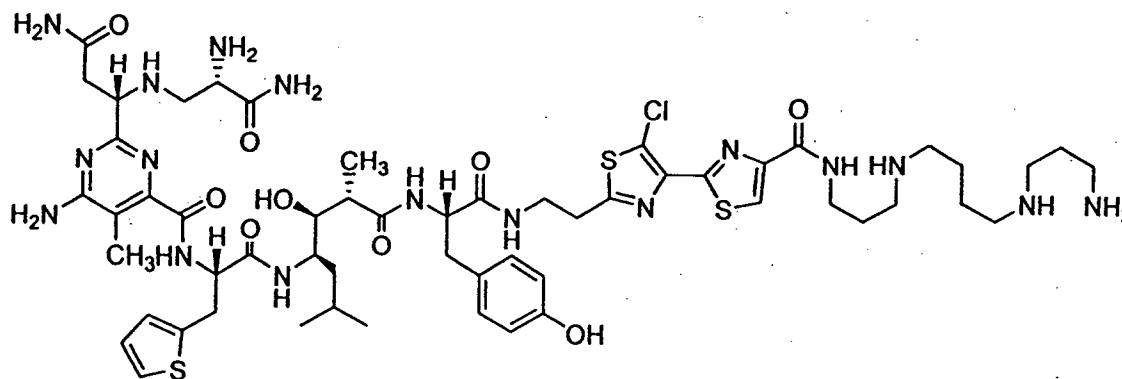
cjl-iii-91

Pulse Sequence: e2pul
Solvent: D2O
Temp. 25.0 C / 298.1 K
Date: 1-15-87
File: cjl-iii-91
INOVA-500 "burger.chem.Virginia.KDU"

Relax. delay 1.000 sec
Pulse 94.4 degrees
Acq. time 3.979 sec
Width 5500.3 Hz
356 repetitions
OBSERVE F1, 500.0455060 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min. 0 sec



CJL-92
Cjl-iii-93



$C_{56}H_{82}ClN_{17}O_9S_3$
Exact Mass: 1267.53
Mol. Wt.: 1269.01

C, 53.00; H, 6.51; Cl, 2.79; N, 18.76; O, 11.35; S, 7.58

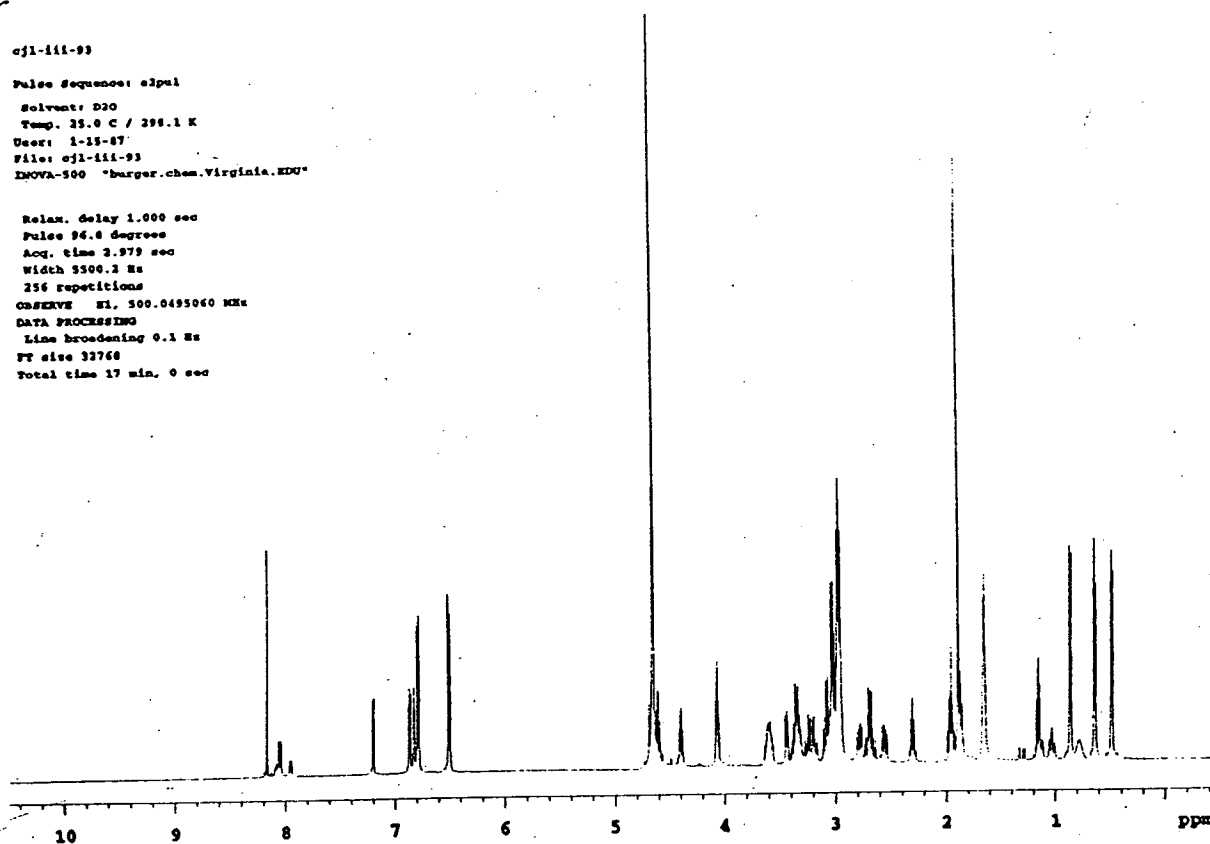
yield 2.43 mg (49%)

Mass spectrum (electrospray) 1268.6 (M + H)⁺

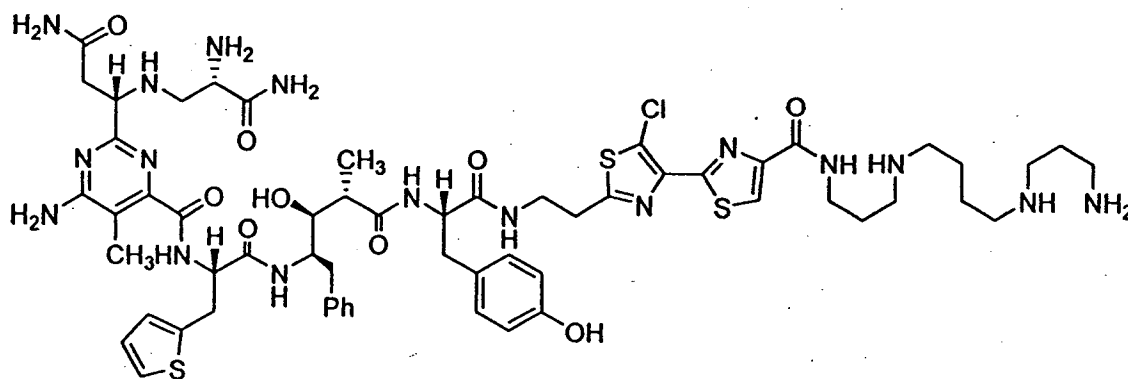
cjl-iii-93

Pulse Sequence: zgpg30
Solvent: D2O
Temp: 25.0 C / 298.1 K
User: 1-15-07
File: cjl-iii-93
INOVA-500 "burger.chem.virginia.edu"

Relax. delay 1.000 sec
Pulse 94.8 degrees
Acq. time 2.979 sec
Width 5500.2 Hz
256 repetitions
OBSERVE Wt. 500.0495060 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min. 0 sec



CJL-93
CJL-iii-95



$C_{59}H_{80}ClN_{17}O_9S_3$
Exact Mass: 1301.52
Mol. Wt.: 1303.03

C, 54.38; H, 6.19; Cl, 2.72; N, 18.27; O, 11.05; S, 7.38

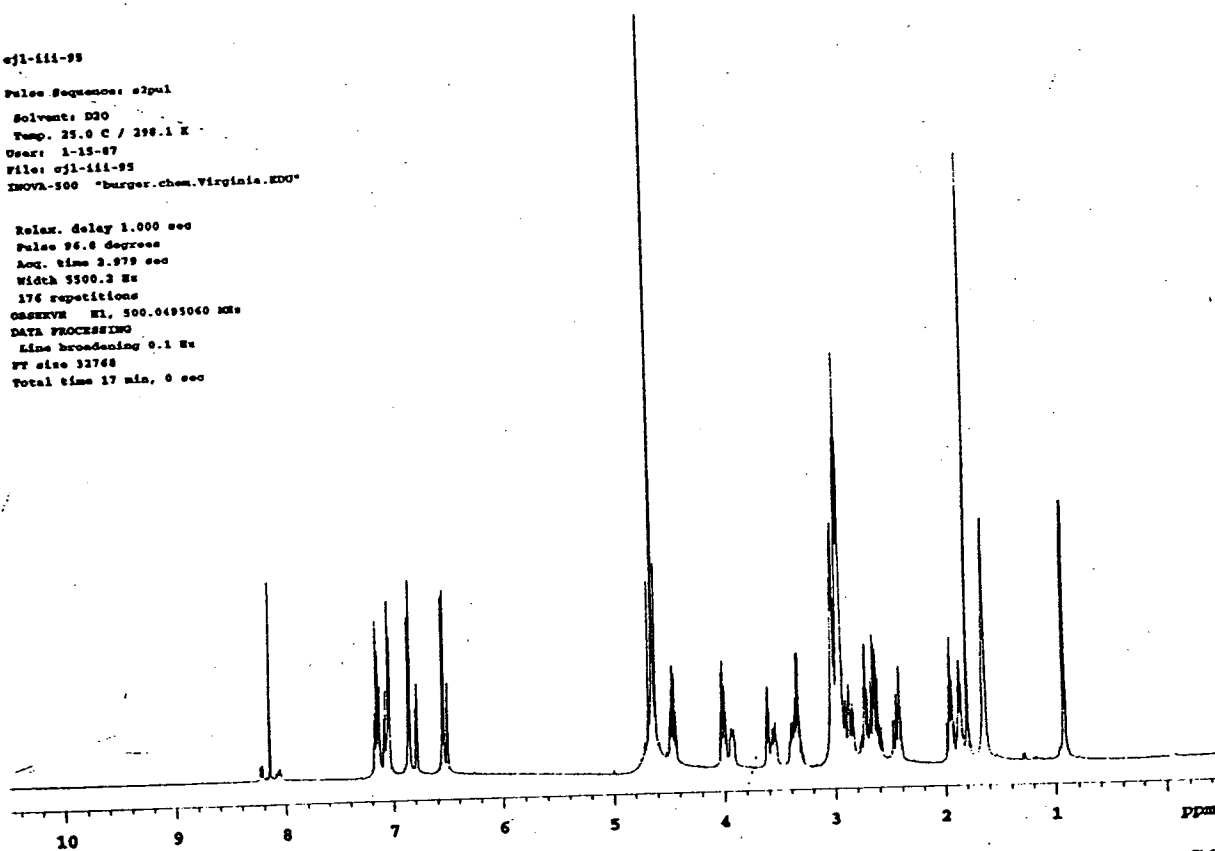
Yield 2.21 mg (44%)

Mass spectrum (electrospray) 1302.6 (M + H)⁺

cjl-iii-95

Pulse Sequence: s2pul
Solvent: D2O
Temp. 25.0 C / 298.1 K
User: 1-15-87
File: cjl-iii-95
INOVA-500 "burger.chem.virginia.edu"

Relax. delay 1.000 sec
Pulse 96.0 degrees
Acq. time 3.979 sec
Width 3300.2 Hz
176 repetitions
OBSERVE HI, 500.0493060 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min, 0 sec



S120