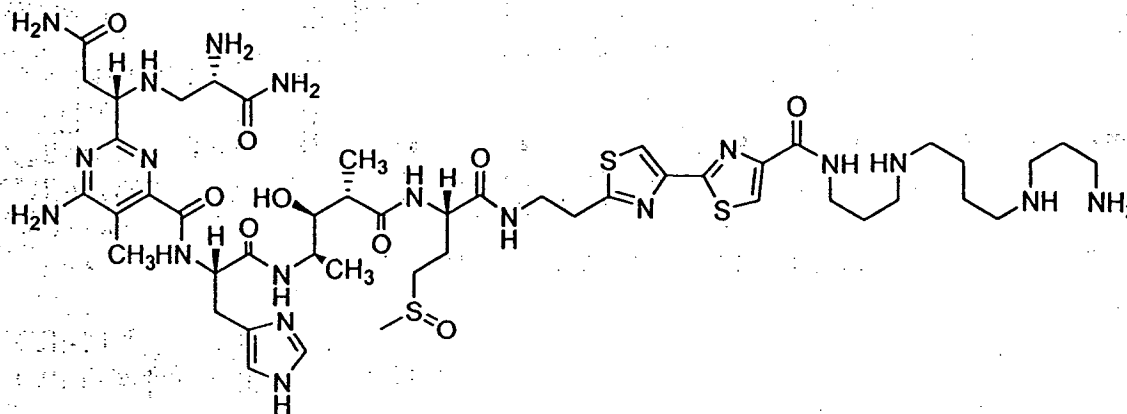


CJL-14
CJL-ii-287

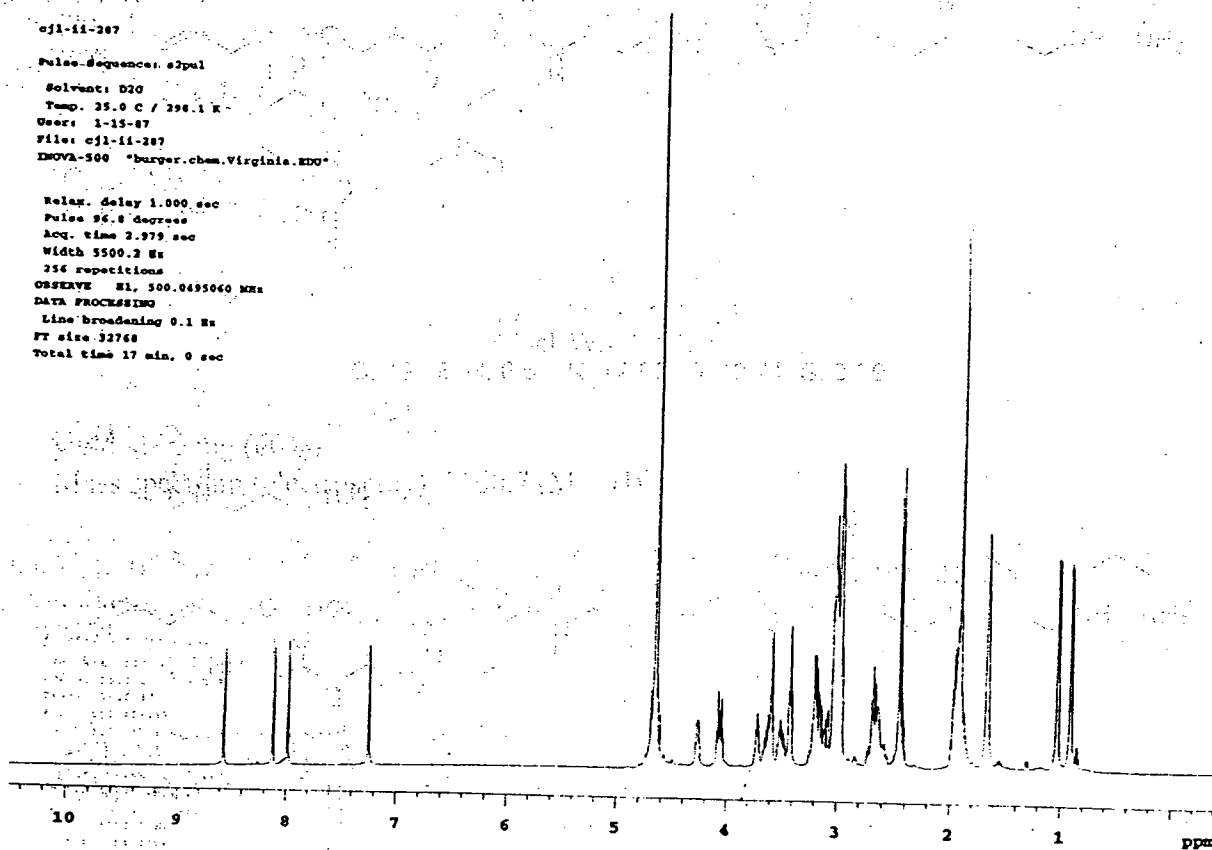


$C_{48}H_{77}N_{19}O_9S_3$
Exact Mass: 1159.53
Mol. Wt.: 1160.45
C, 49.68; H, 6.69; N, 22.93; O, 12.41; S, 8.29

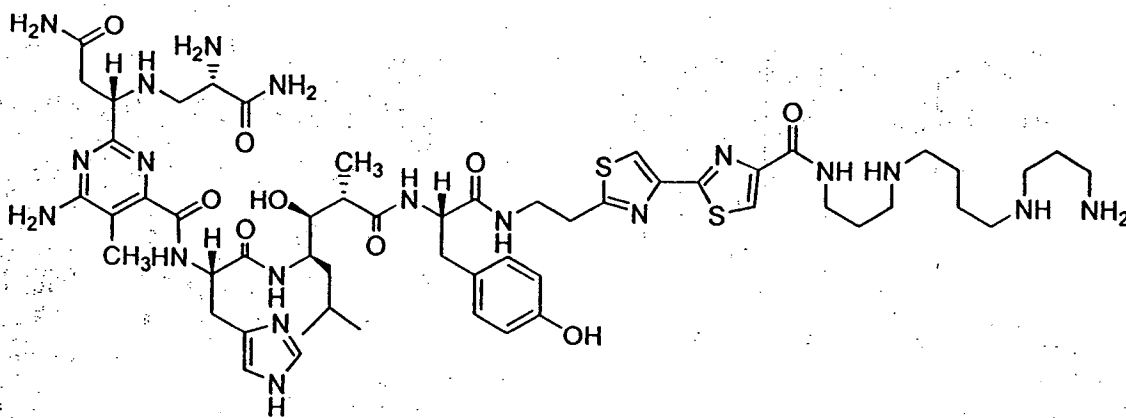
yield 2.70 mg (60%)

Mass spectrum (electrospray) 1160.7 (M + H)⁺

cjl-ii-287
Pulse Sequence: s2pul
Solvent: D2O
Temp: 25.0 C / 298.1 K
User: 1-15-87
File: cjl-ii-287
INOVA-500 "burger.chem.Virginia.EDU"
Relax. delay 1.000 sec
Pulse 96.8 degree
Acq. time 2.979 sec
Width 5500.2 Hz
354 repetitions
OBSERVE HL 500.0495060 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min. 0 sec

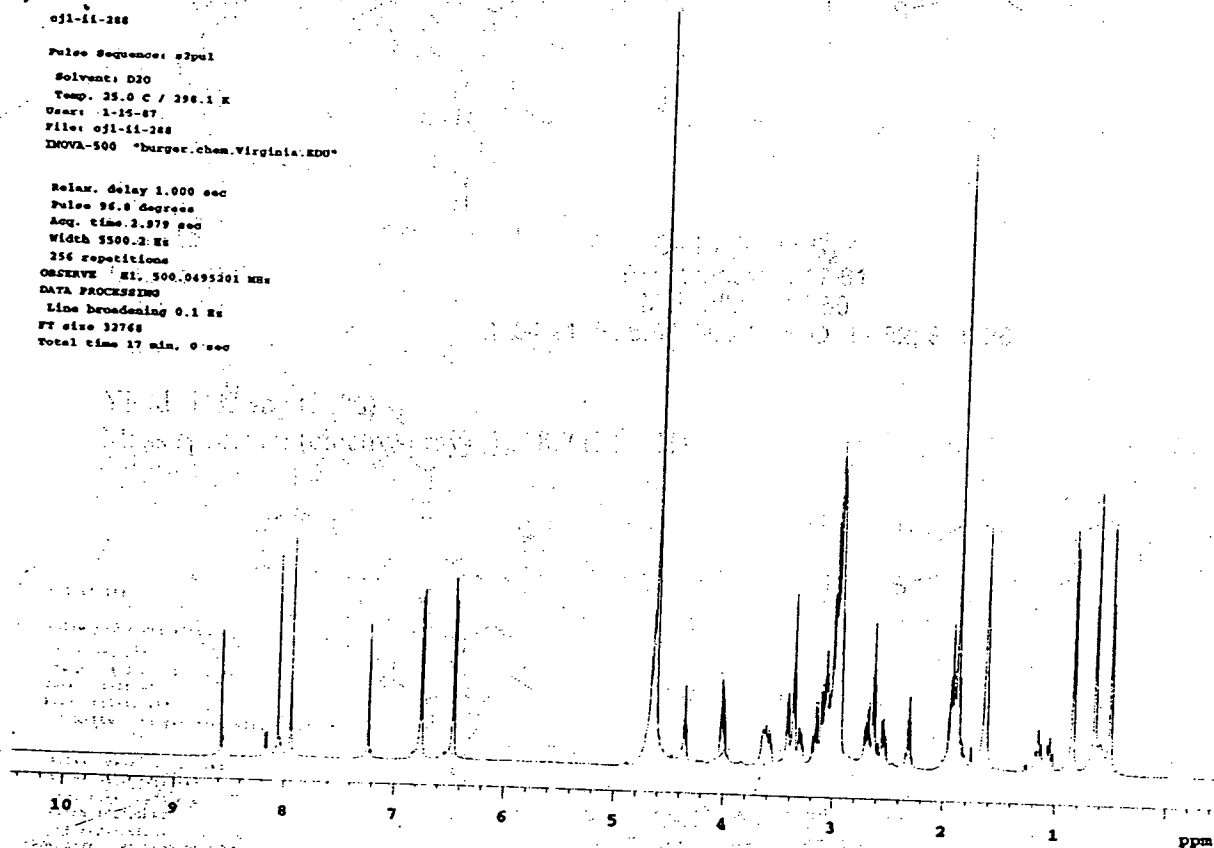


CJL-15
CJL-ii-288

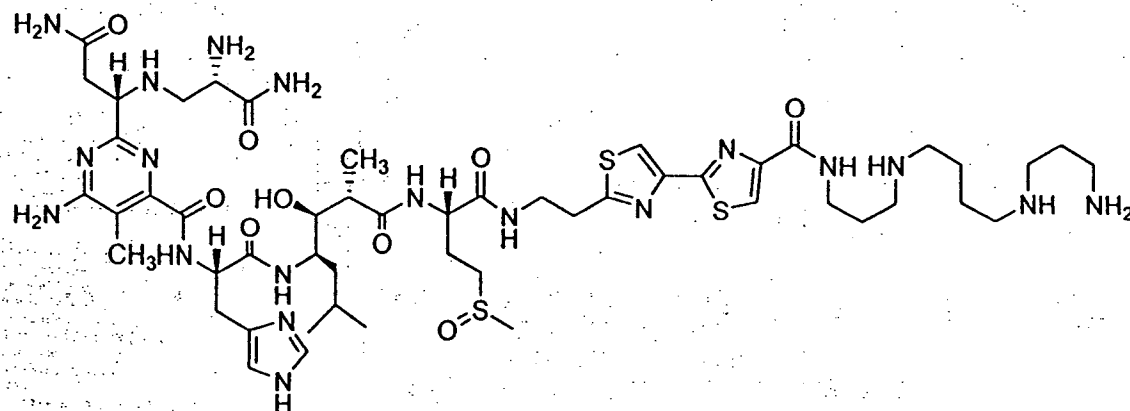


$C_{55}H_{83}N_{19}O_9S_2$
Exact Mass: 1217.61
Mol. Wt.: 1218.50
C, 54.21; H, 6.87; N, 21.84; O, 11.82; S, 5.26

Yield 1.32 mg (28%)
Mass spectrum (electrospray) 1218.7 (M + H)⁺



CJL-16
CJL-ii-289



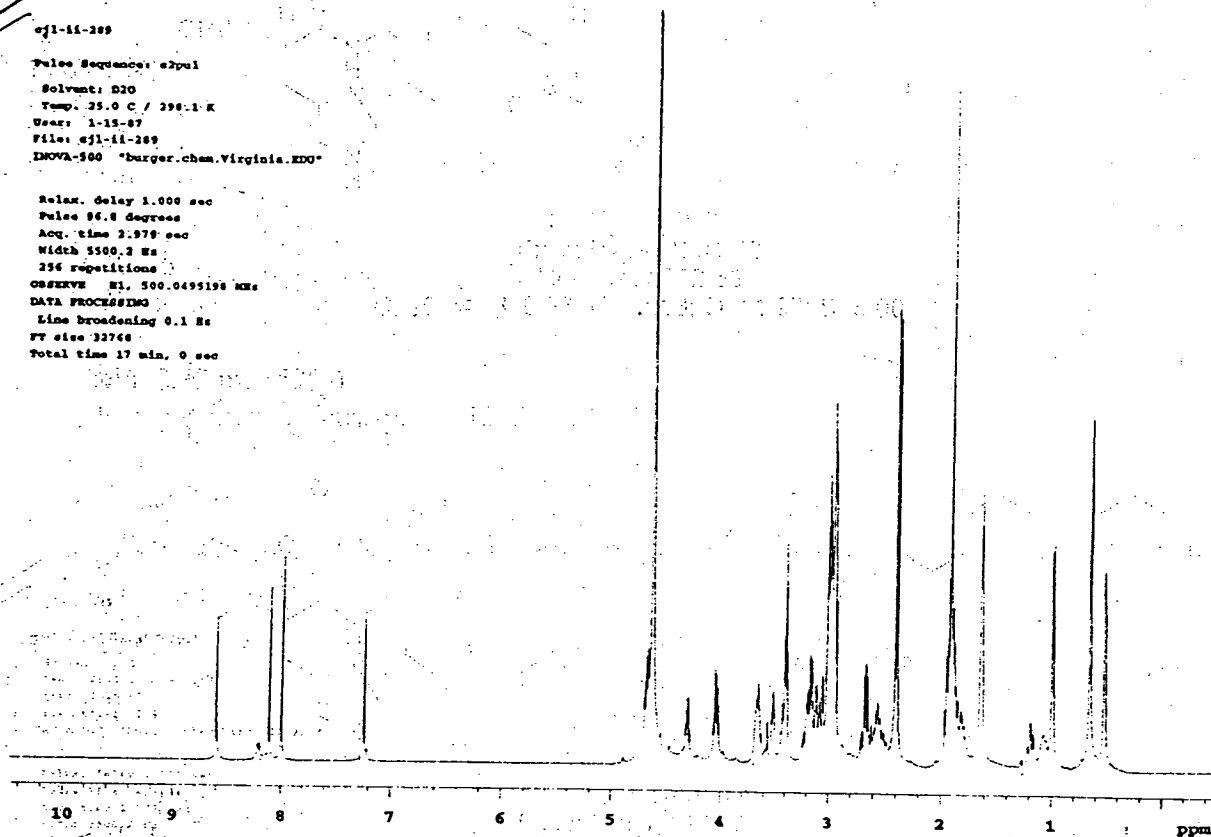
$C_{51}H_{83}N_{19}O_9S_3$
Exact Mass: 1201.58
Mol. Wt.: 1202.53
C, 50.94; H, 6.96; N, 22.13; O, 11.97; S, 8.00

yield 2.42 mg (52%)

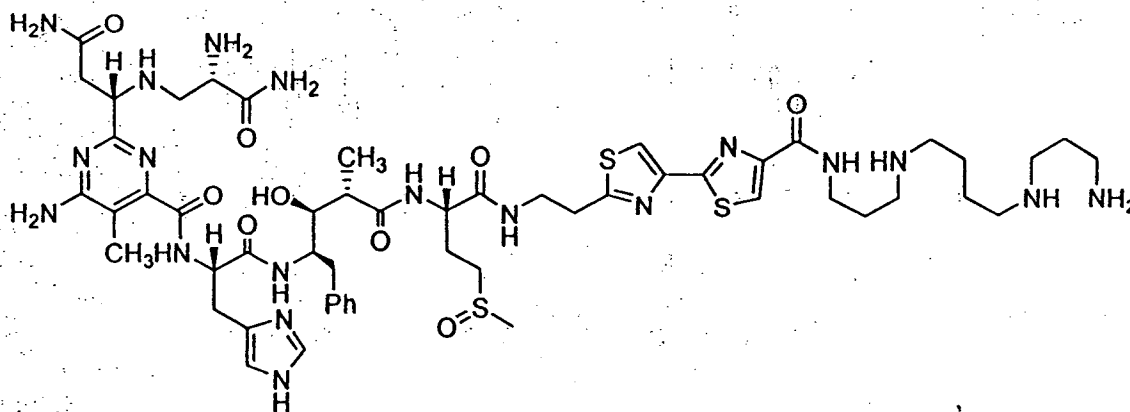
Mass spectrum (electrospray) 1202.7 (M + H)⁺

cjl-ii-289
Pulse Sequence: zgpg30
Solvent: D2O
Temp. 25.0 C / 298.1 K
User: 1-15-07
File: cjl-ii-289
DROVA-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
OSZEXVE H1. 500.0495198 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min. 0 sec



CJL-18
CJL-ii-291



$C_{54}H_{81}N_{19}O_9S_3$
Exact Mass: 1235.56
Mol. Wt.: 1236.54
C, 52.45; H, 6.60; N, 21.52; O, 11.64; S, 7.78

Yield 3.3 mg (69%)

Mass spectrum (electrospray) 1236.7 (M + H)⁺

cjl-ii-291

Pulse Sequence: s2pul

Solvent: D2O

Temp: 25.0 C / 298.1 K

User: 1-15-07

INOVA-100 "burger.chem.Virginia.KDU"

Relax. delay 1.000 sec

Pulse 96.8 degrees

Acq. time 2.979 sec

Width 5500.2 Hz

256 repetitions

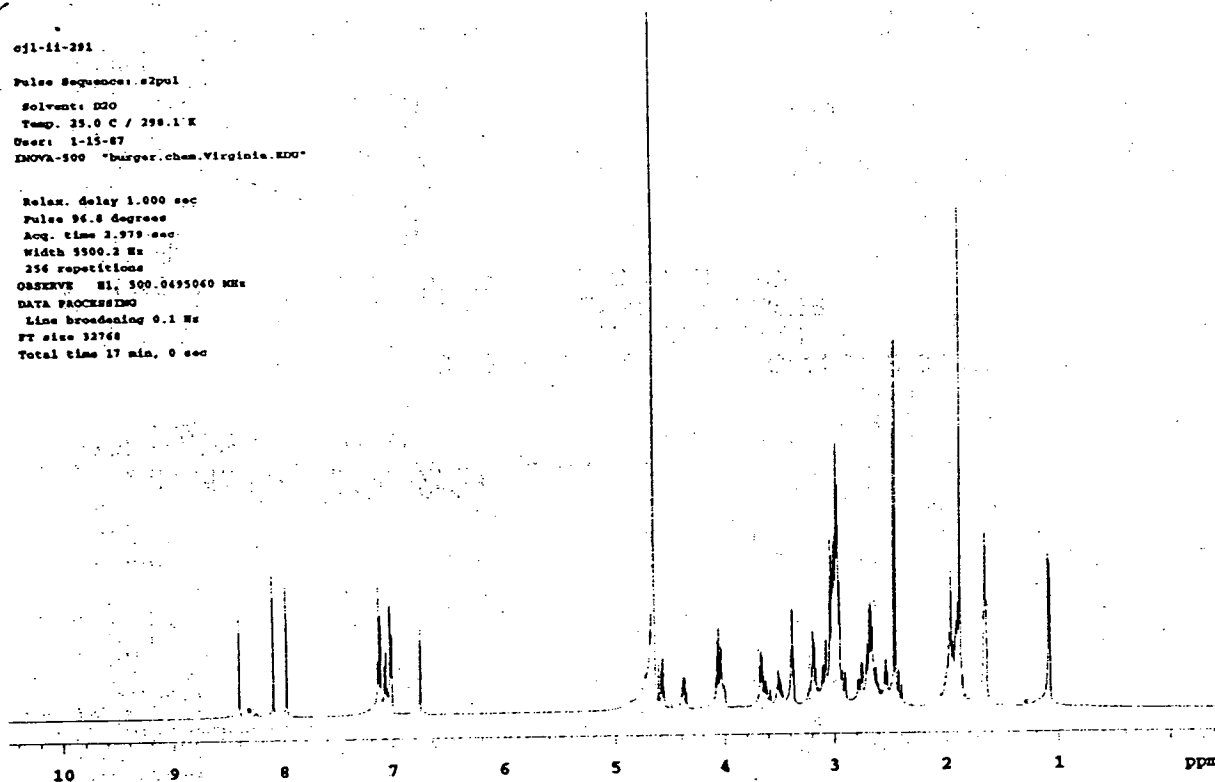
OBSERVE S1 500.0495040 MHz

DATA PROCESSING

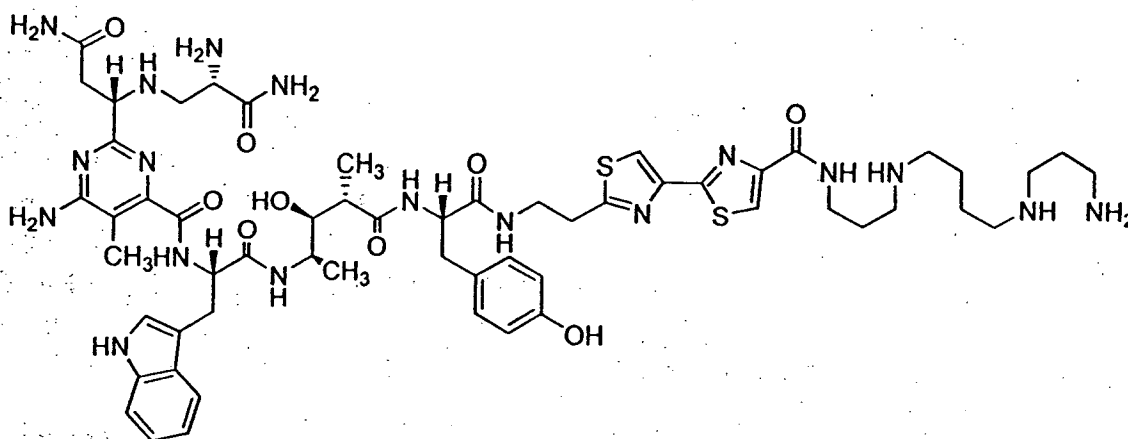
Line broadening 0.1 Hz

FT size 32768

Total time 17 min, 0 sec



CJL-19
CJL-ii-292



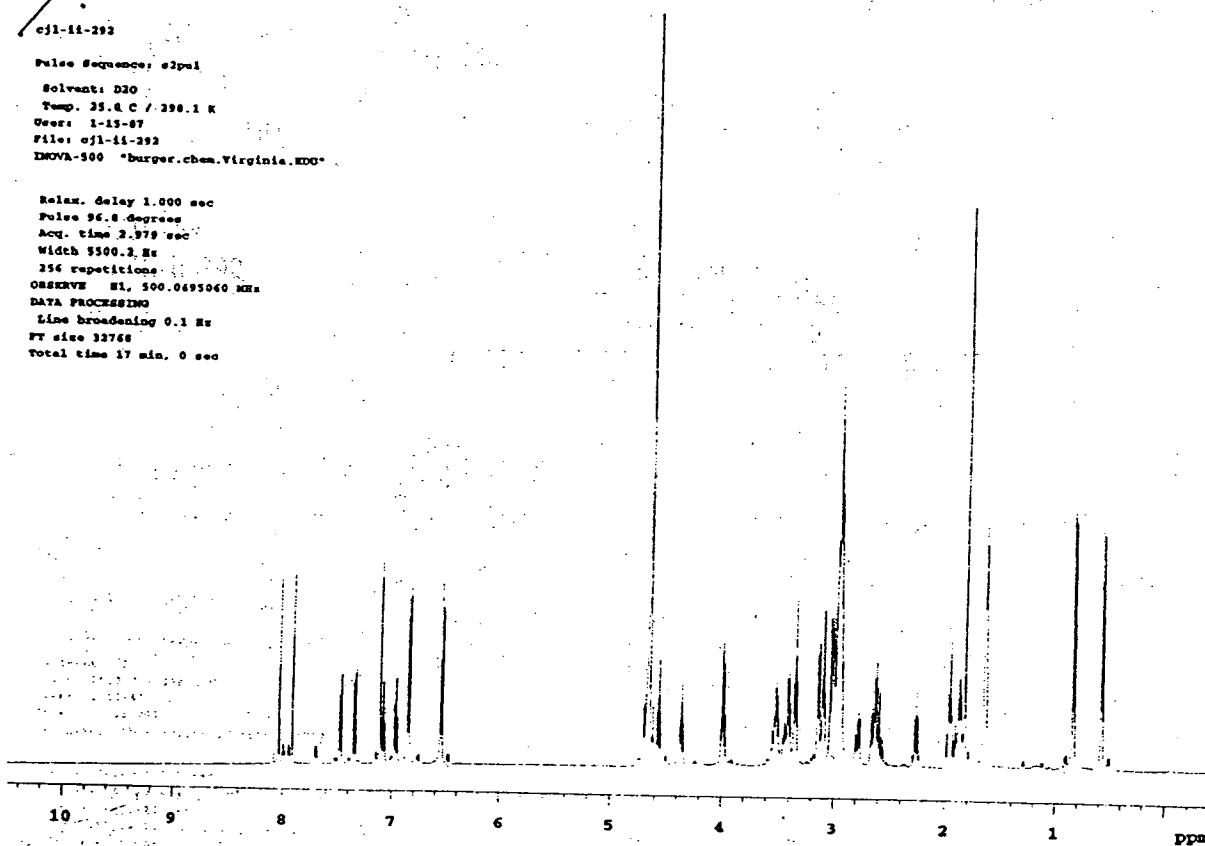
$C_{57}H_{80}N_{18}O_9S_2$
Exact Mass: 1224.58
Mol. Wt.: 1225.49
C, 55.86; H, 6.58; N, 20.57; O, 11.75; S, 5.23

Yield 826 μ g (17%)
Mass spectrum (electrospray) 1225.7 (M + H)⁺

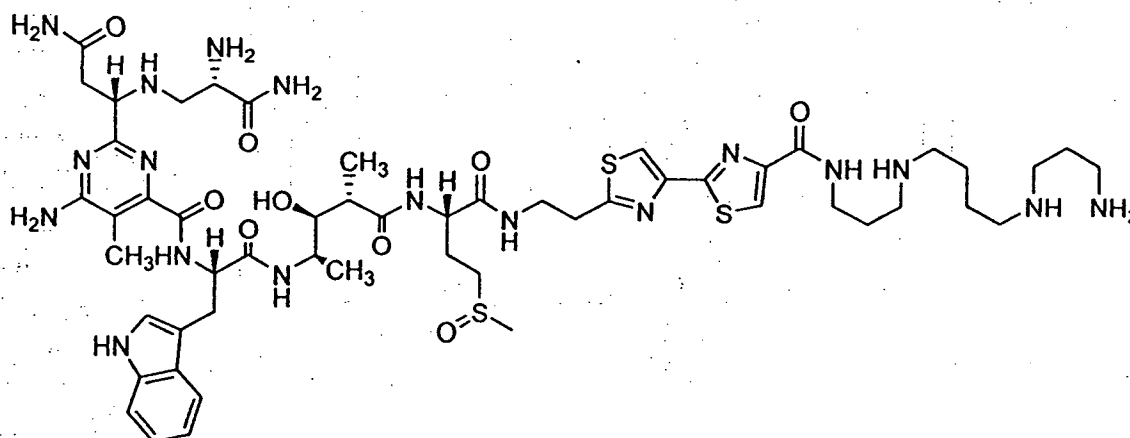
cjl-ii-292

Pulse Sequence: e2pol
Solvent: D2O
Temp: 25.0 C / 298.1 K
Date: 1-15-07
File: cjl-ii-292
DMSO-500 *burger.chem.virginia.edu*

Relax. Delay 1.000 sec
Pulse 96.8 degrees
Acq. time 2.979 sec
Width 5300.3 Hz
256 repetitions
OBSERVE F1, 500.0495040 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min. 0 sec



CJL-20
CJL-ii-293



$C_{53}H_{80}N_{18}O_9S_3$
Exact Mass: 1208.55
Mol. Wt.: 1209.52
C, 52.63; H, 6.67; N, 20.84; O, 11.91; S, 7.95

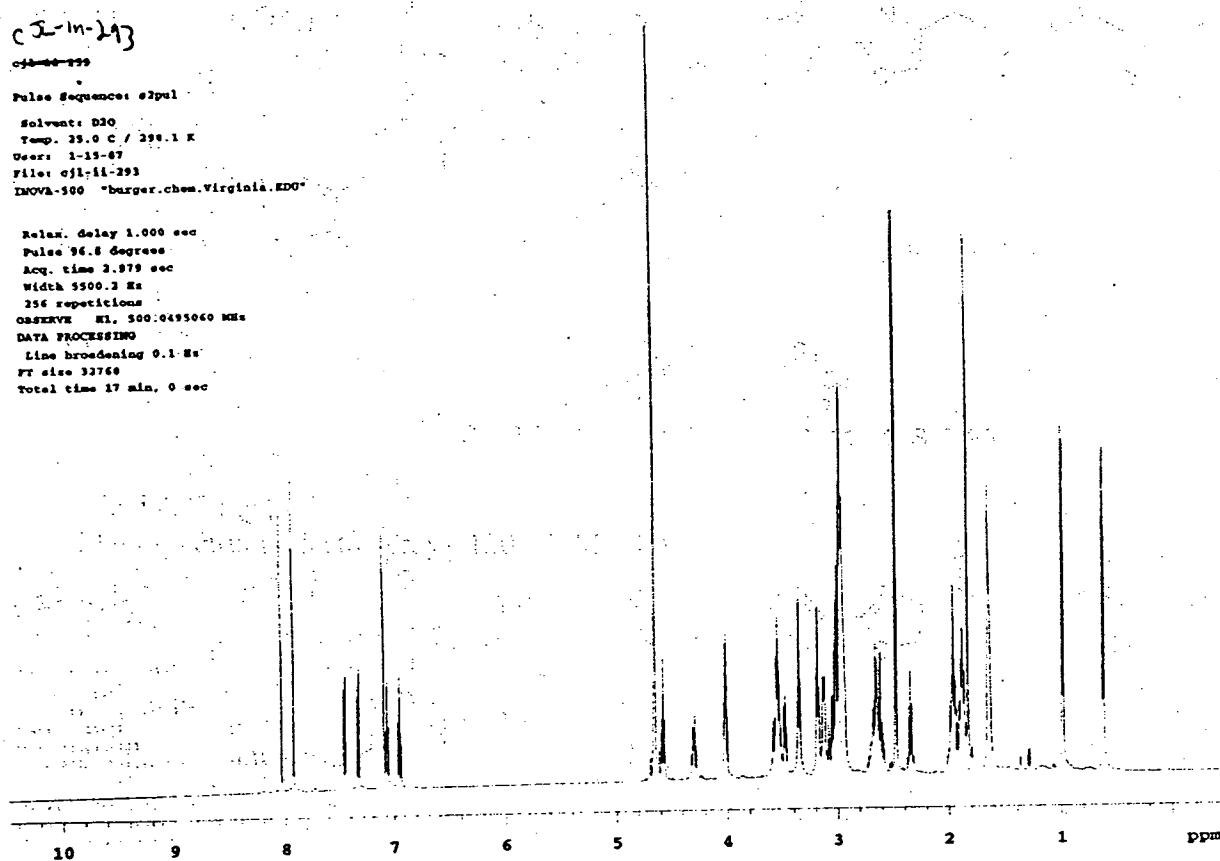
Yield 4.37 mg (93%)

Mass spectrum (electrospray) 1209.7 (M + H)⁺

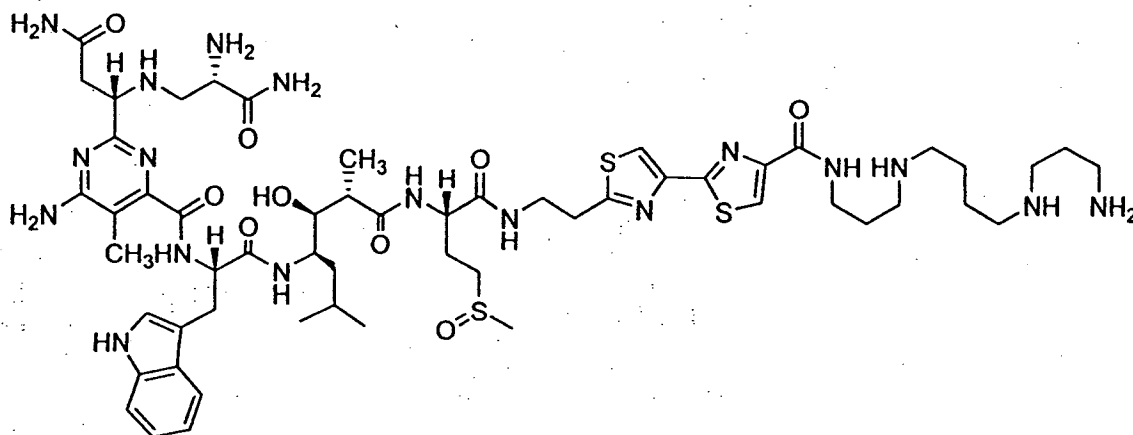
CJL-ii-293

Pulse Sequence: g2pul
Solvent: D2O
Temp: 25.0 C / 298.1 K
User: 1-15-07
File: cjl-ii-293
INOVA-500 "barger.chem.virginia.EDU"

Relax. delay 1.000 sec
Pulse 96.6 degrees
Acq. time 2.879 sec
Width 5500.2 Hz
256 repetitions
OBSERVE RL 500.0495060 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min, 0 sec



CJL-22
CJL-ii-295



$C_{56}H_{86}N_{18}O_9S_3$
Exact Mass: 1250.60
Mol. Wt.: 1251.60
C, 53.74; H, 6.93; N, 20.14; O, 11.50; S, 7.69

Yield 2.71 mg (56%)

Mass spectrum (electrospray) 1251.7 (M + H)⁺

cjl-ii-295

Pulse Sequence: s2pul

Solvent: D2O

Temp: 25.0 C / 298.1 K

User: 1-15-07

File: cjl-ii-295

INOVA-300 "burger.chem.Virginia.KPO"

Relax. Delay 1.000 sec

Pulse 96.8 degrees

Acq. time 1.979 sec

Width 5500.2 Hz

256 repetitions

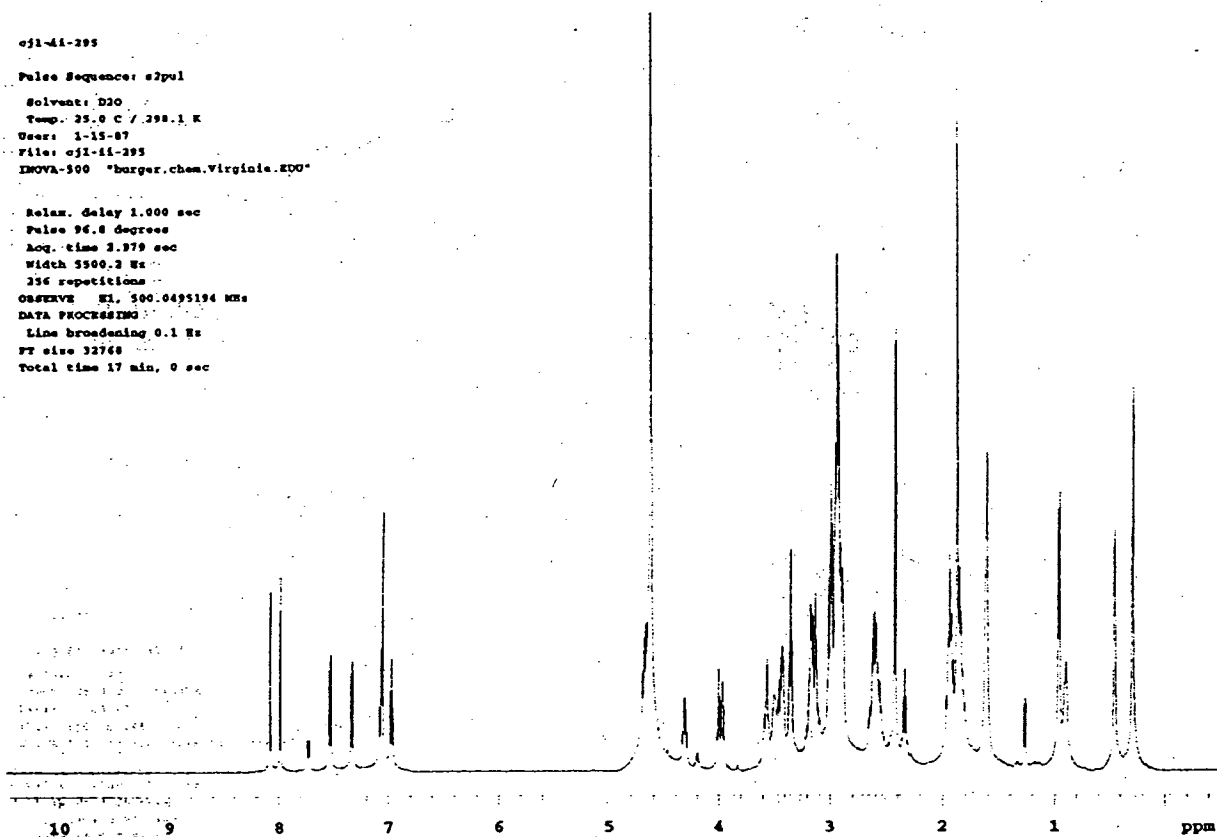
OBSERVE E1, 500.0495194 MHz

DATA PROCESSING

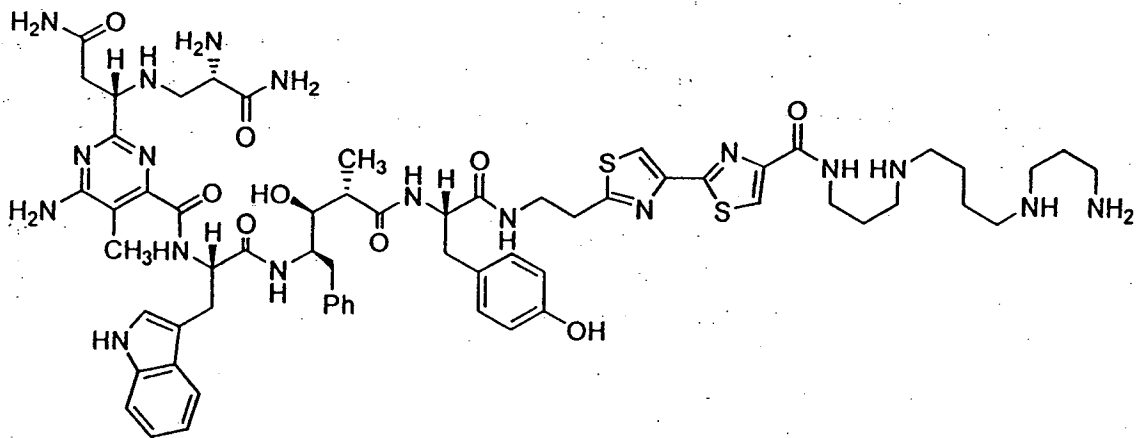
Line broadening 0.1 Hz

FT size 32768

Total time 17 min, 0 sec



CJL-23
CJL-ii-296



$C_{63}H_{84}N_{18}O_9S_2$
Exact Mass: 1300.61
Mol. Wt.: 1301.59

C, 58.13; H, 6.50; N, 19.37; O, 11.06; S, 4.93

Yield 884 μ g (17%)

Mass spectrum (electrospray) 1301.8 (M + H)⁺

cjl-ii-296

Pulse Sequence: s2pul

Solvent: D2O

Temp. 25.0 C / 298.1 K

Date: 1-15-07

File: cjl-ii-296

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

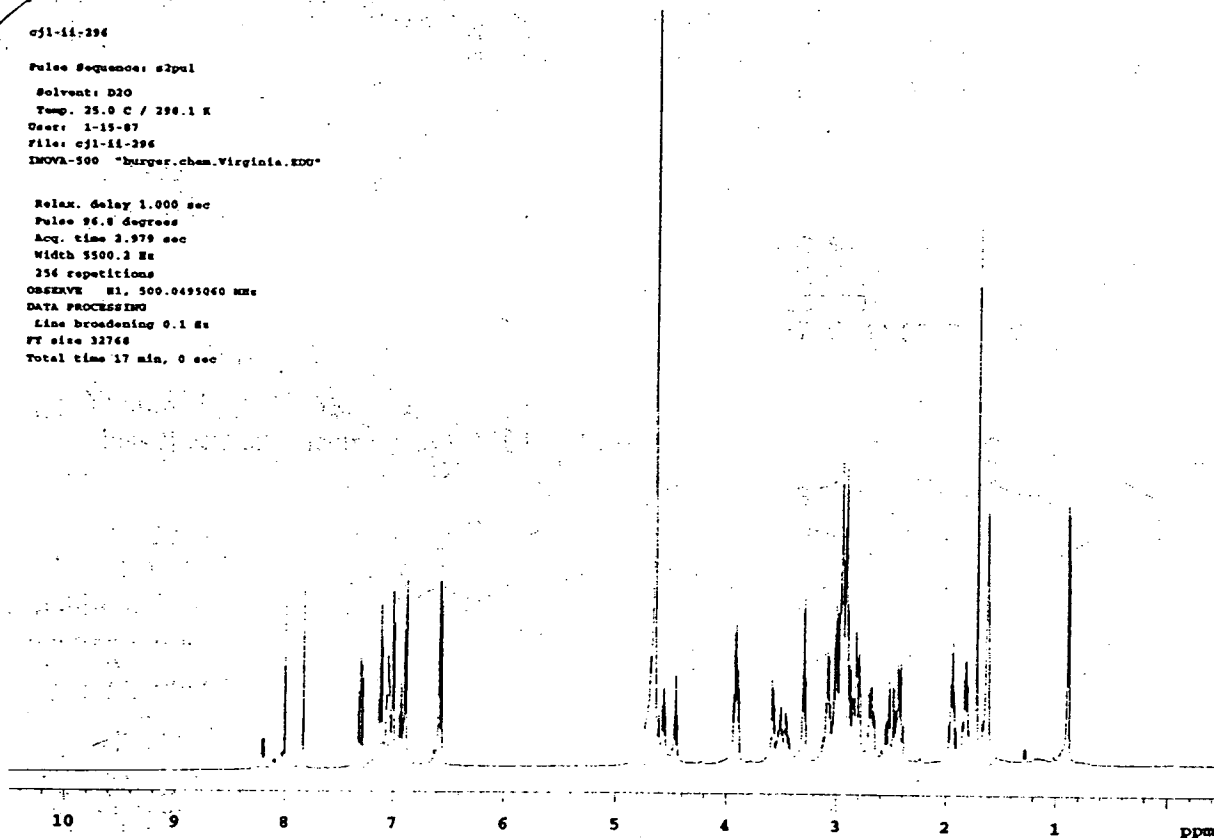
OBSERVE H1, 500.0495060 MHz

DATA PROCESSING

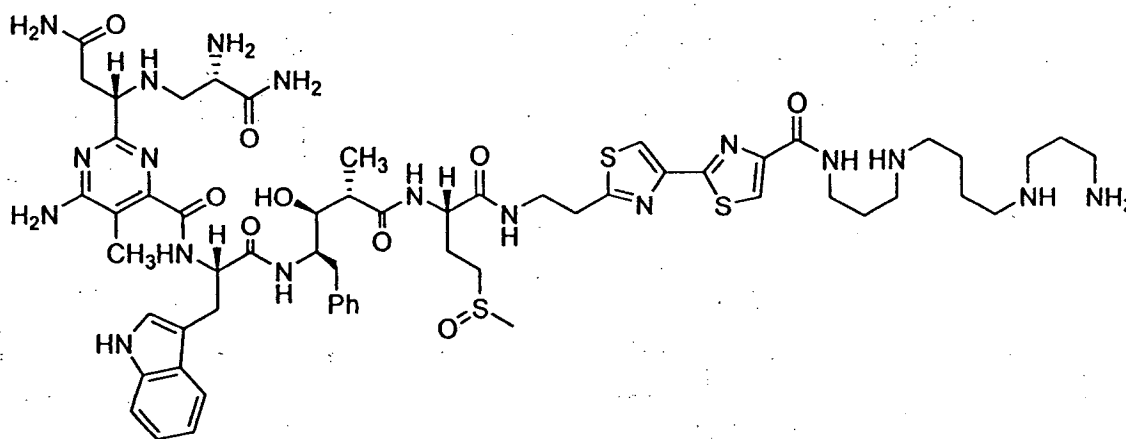
Line broadening 0.1 Hz

FT size 32768

Total time 17 min, 0 sec



CJL-24
CJL-ii-297

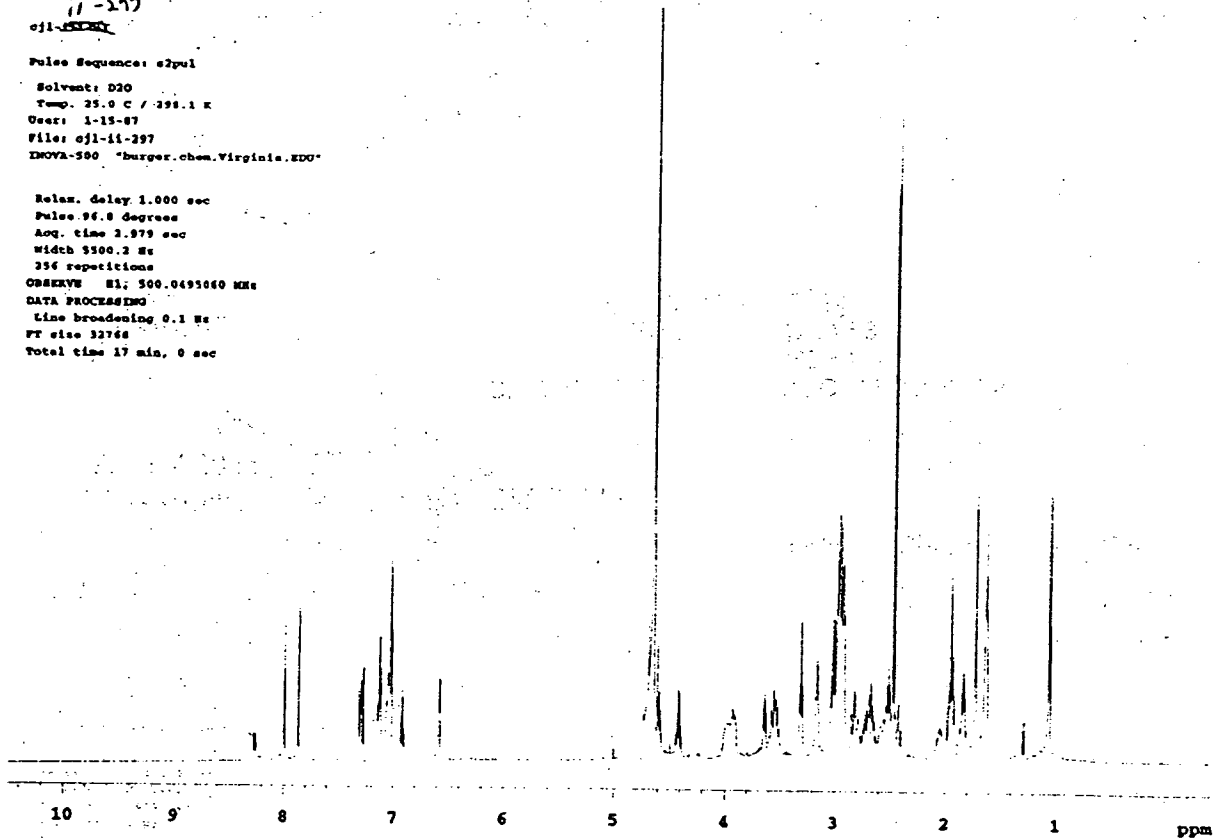


$C_{59}H_{84}N_{18}O_9S_3$
Exact Mass: 1284.58
Mol. Wt.: 1285.61
C, 55.12; H, 6.59; N, 19.61; O, 11.20; S, 7.48

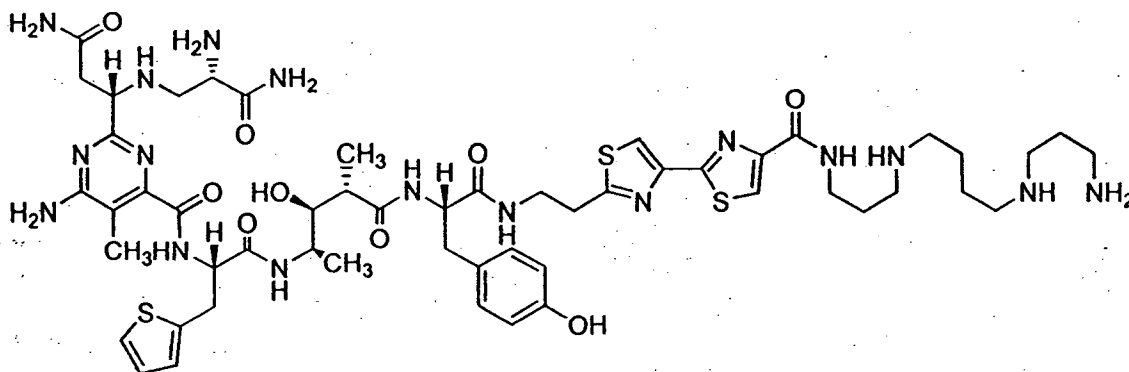
Yield 4.20 mg (83%)
Mass spectrum (electrospray) 1285.7 (M + H)⁺

11-297
ojl-297
Pulse Sequence: s2pul
Solvent: D2O
Temp. 25.0 C / 298.1 K
Date: 1-15-07
File: ojl-11-297
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 F1: 500.0495060 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min, 0 sec



CJL-25
CJL-ii-298



$C_{53}H_{77}N_{17}O_9S_3$
Exact Mass: 1191.53
Mol. Wt.: 1192.49

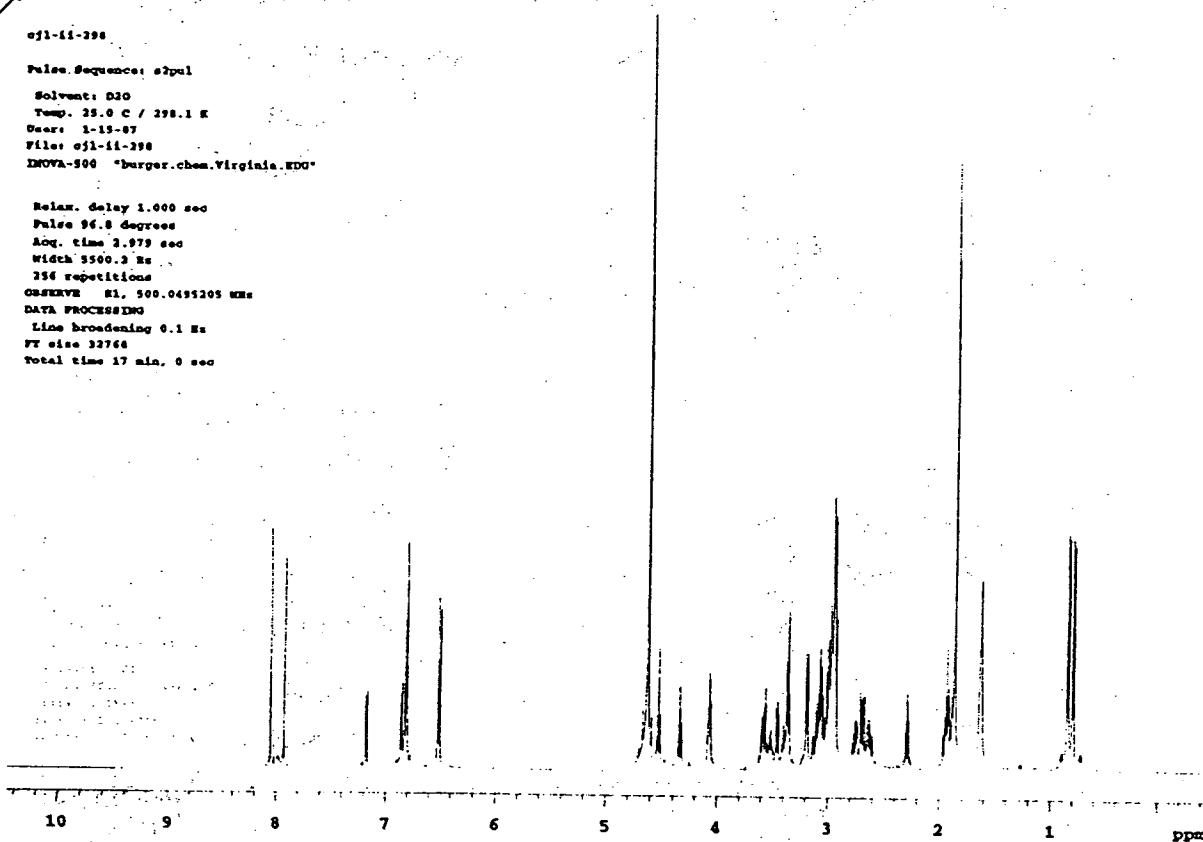
C, 53.38; H, 6.51; N, 19.97; O, 12.08; S, 8.07

Yield 4.8 mg (95%)

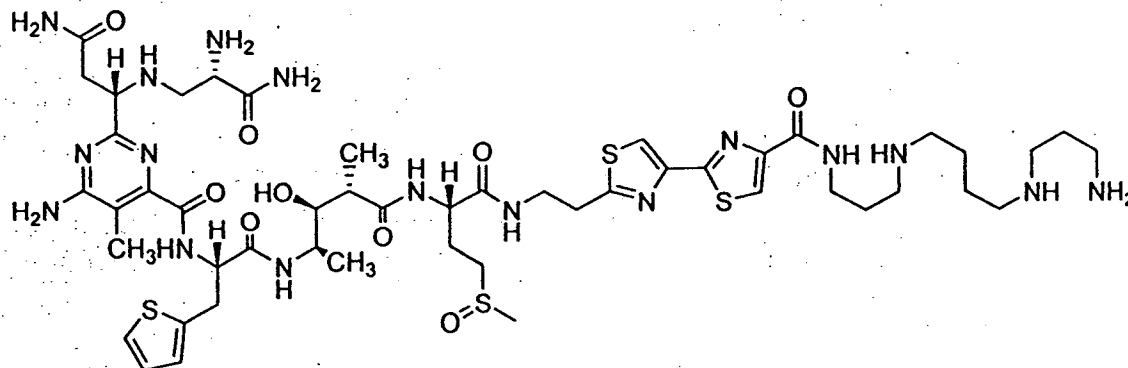
Mass spectrum (electrospray) 1192.7 (M + H)⁺

ojl-ii-298
Pulse Sequence: s2pul
Solvent: D2O
Temp: 25.0 C / 298.1 K
Date: 1-15-07
File: ojl-ii-298
INOVA-500 "burger.chem.Virginia.EDU"

Relax. delay 1.000 sec
Pulse 96.8 degrees
Acq. time 2.979 sec
Width 3500.2 Hz
256 repetitions
OBSERVE F1, 500.045205 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min. 0 sec



CJL-26
CJL-ii-299



$C_{49}H_{77}N_{17}O_9S_4$
Exact Mass: 1175.50
Mol. Wt.: 1176.51
C, 50.02; H, 6.60; N, 20.24; O, 12.24; S, 10.90

Yield 3.52 mg (77%)

Mass spectrum (electrospray) 1176.6 (M + H)⁺

cjl-ii-299

Pulse Sequence: s2pul

Solvent: D2O

Temp. 25.0 C / 298.1 K

User: 1-13-87

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

Relax. delay 1.000 sec

Pulse 96.8 degrees

Acq. time 2.979 sec

Width 5500.2 Hz

156 repetitions

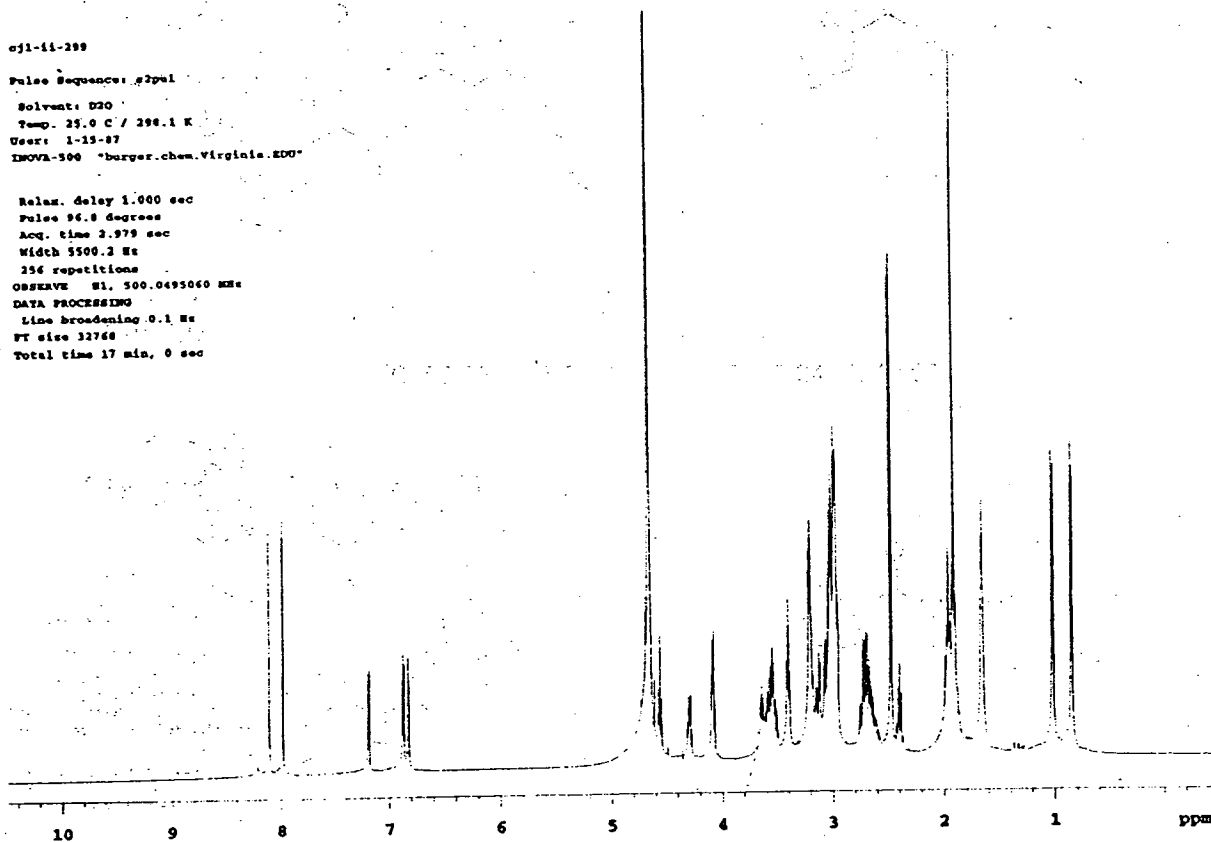
OBSERVE S1, 500.0495060 MHz

DATA PROCESSING

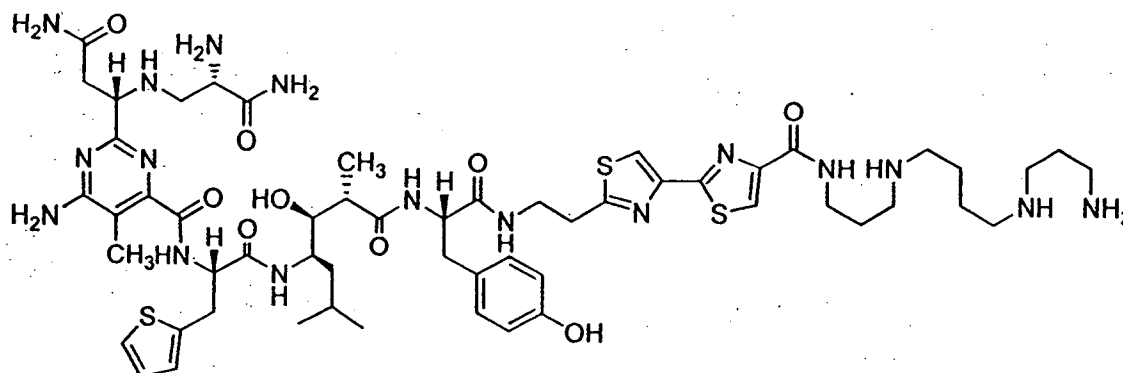
Line broadening 0.1 Hz

FT size 32768

Total time 17 min, 0 sec



CJL-27
CJL-iii-10



$C_{56}H_{83}N_{17}O_9S_3$
Exact Mass: 1233.57
Mol. Wt.: 1234.57
C, 54.48; H, 6.78; N, 19.29; O, 11.66; S, 7.79

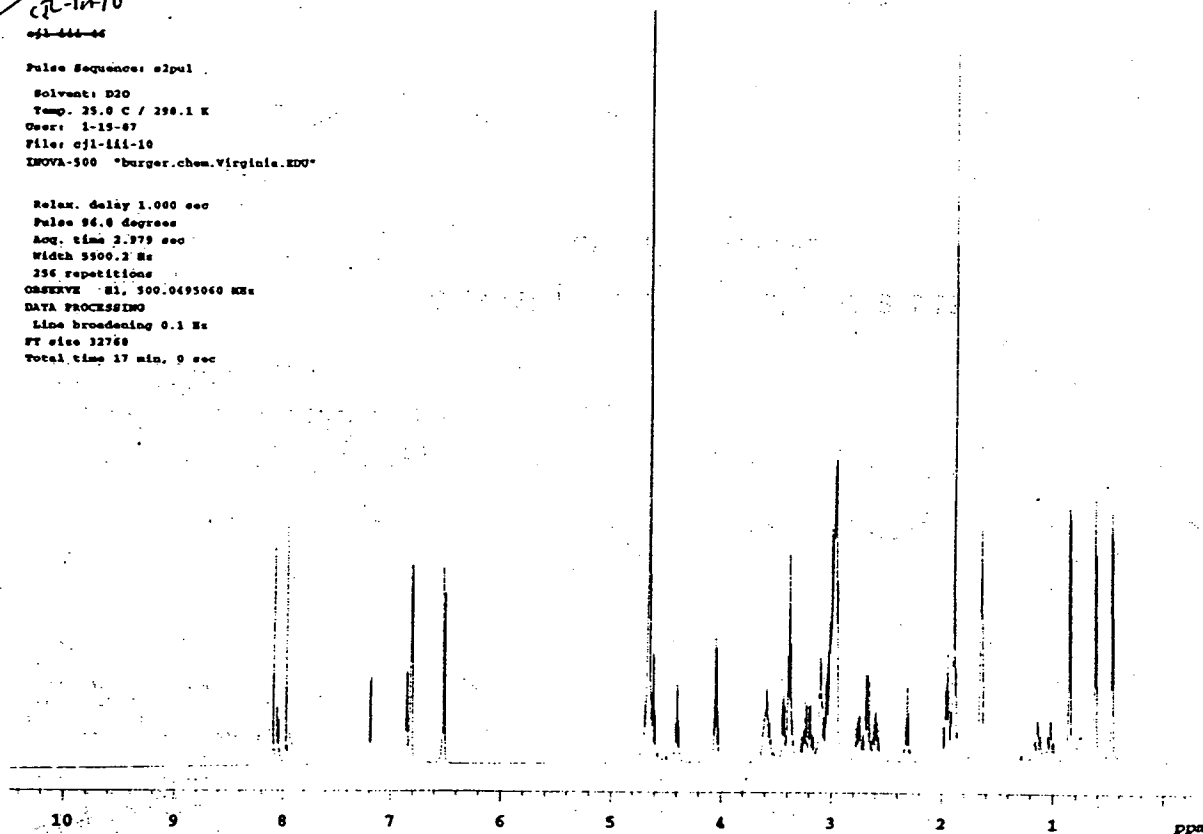
Yield 2.75 mg (57%)

Mass spectrum (electrospray) 1234.8 (M + H)⁺

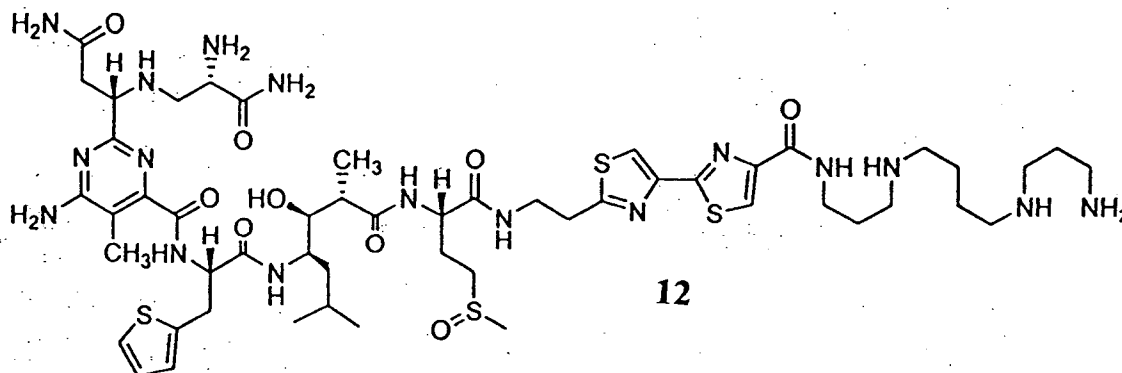
CJL-iii-10
cjl-iii-10

Pulse Sequence: s2pul
Solvent: D2O
Temp: 25.0 C / 298.1 K
User: 1-15-07
File: cjl-iii-10
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: 51.3000495060 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min, 9 sec



CJL-28
CJL-iii-11



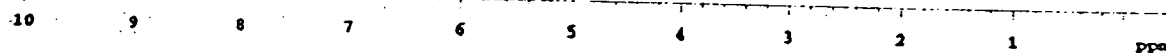
$C_{52}H_{83}N_{17}O_9S_4$
Exact Mass: 1217.54
Mol. Wt.: 1218.59
C, 51.25; H, 6.87; N, 19.54; O, 11.82; S, 10.53

Yield 3.04 mg (64%)

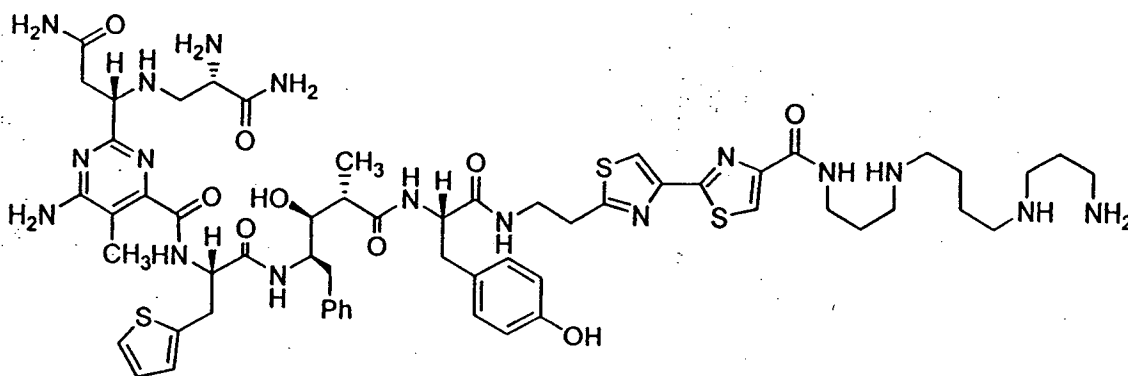
Mass spectrum (electrospray) 1218.7 (M + H)⁺

011-111-11
Pulse Sequence: zgpg30
Solvent: D2O
Temp: 25.0 C / 298.1 K
Pcarr: 1-15-07
INOVA-500 "burger.chem.virginia.edu"

Relax. delay 1.000 sec
Pulse 96.0 degrees
Acq. time 2.979 sec
Width 5300.2 Hz
1024 repetitions
OBSERVE H1, 500.0435040 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 1 hr, 6 min, 3 sec



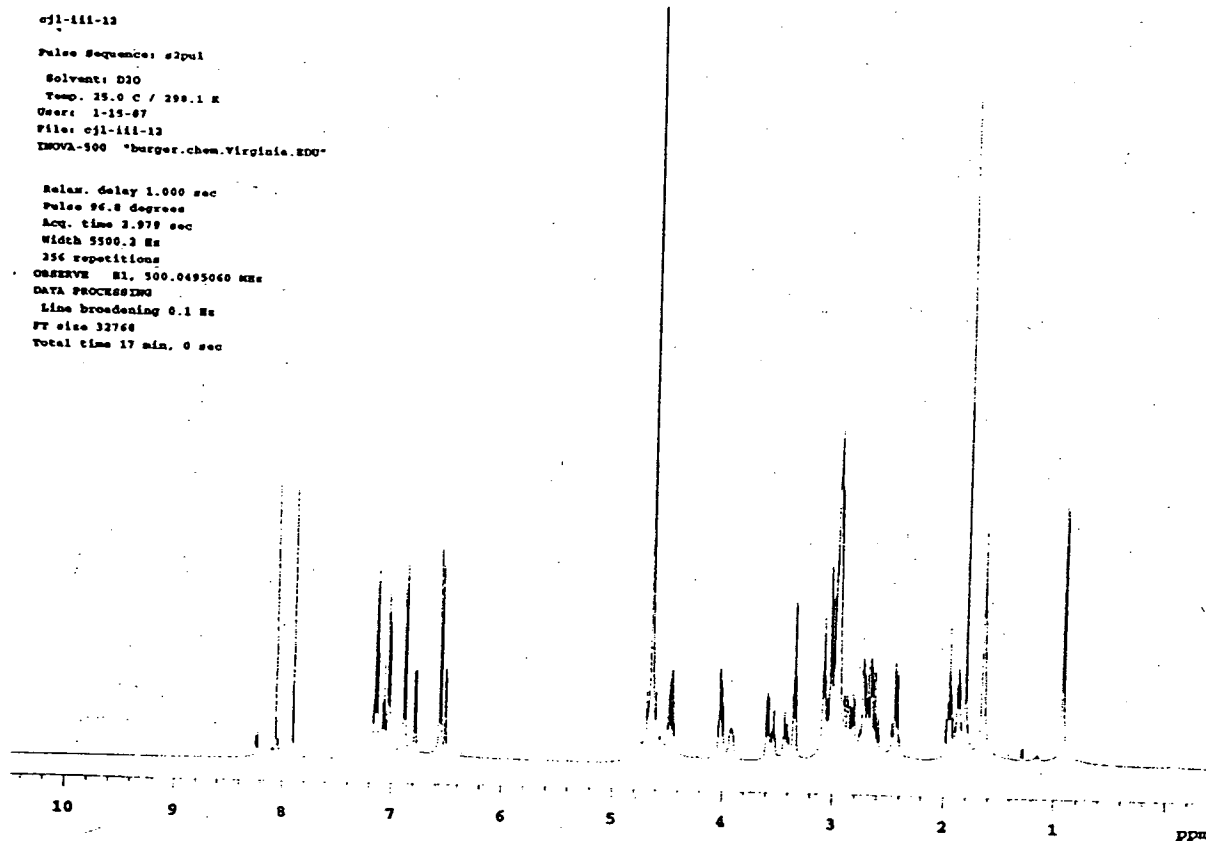
CJL-29
CJL-iii-12



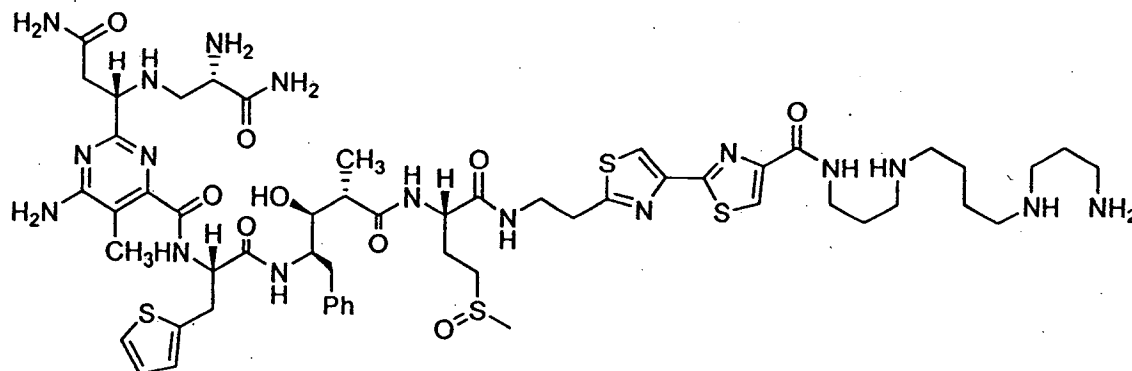
$C_{59}H_{81}N_{17}O_9S_3$
Exact Mass: 1267.56
Mol. Wt.: 1268.58
C, 55.86; H, 6.44; N, 18.77; O, 11.35; S, 7.58

Yield 2.63 mg (53%)

Mass spectrum (electrospray) 1268.7 (M + H)⁺



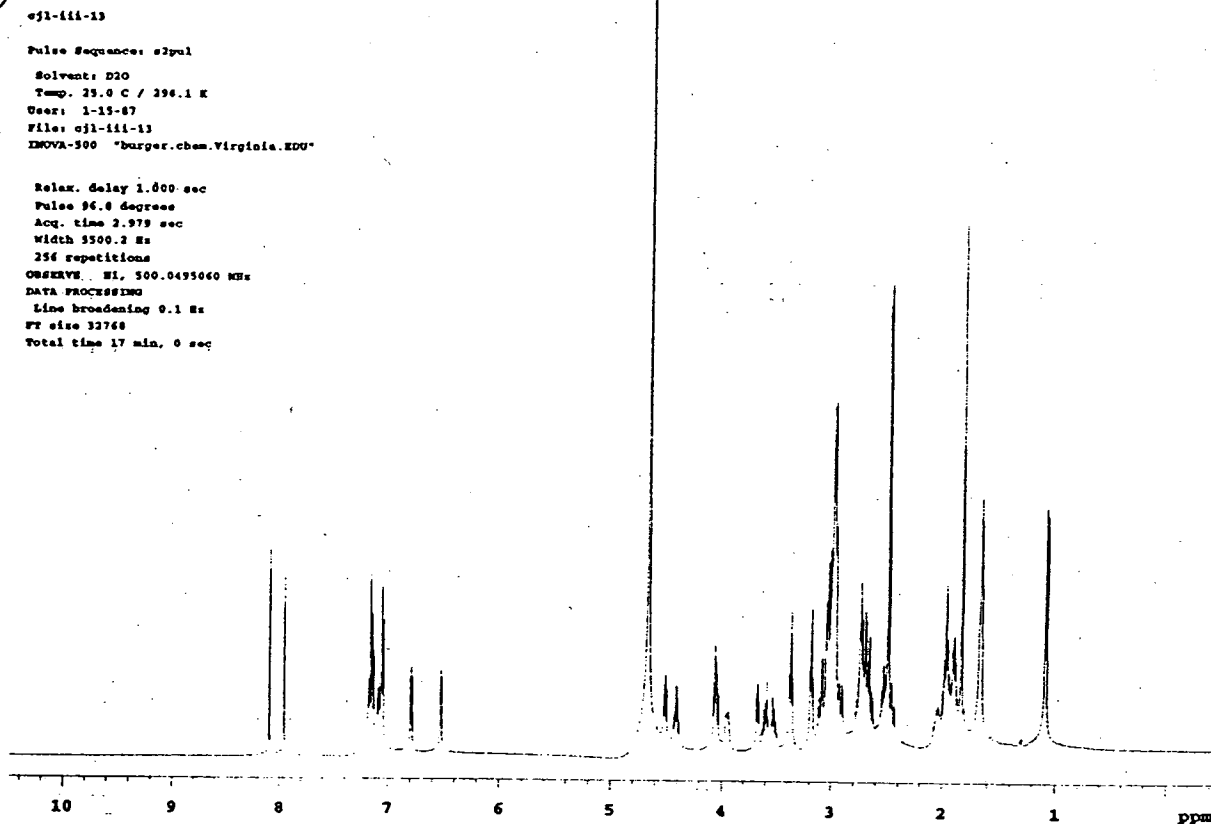
CJL-30
CJL-iii-13



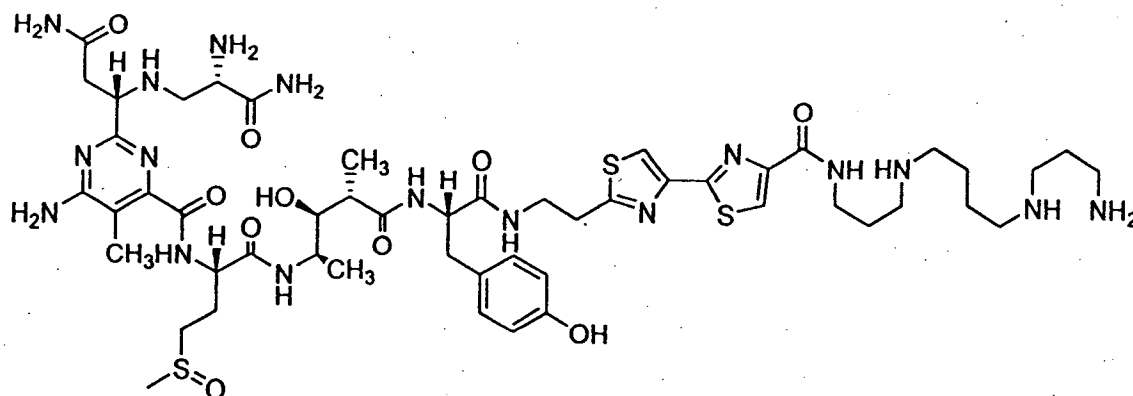
$C_{55}H_{81}N_{17}O_9S_4$
Exact Mass: 1251.53
Mol. Wt.: 1252.60
C, 52.74; H, 6.52; N, 19.01; O, 11.50; S, 10.24

Yield 4.45 mg (91%)

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



CJL-31
CJL-iii-14



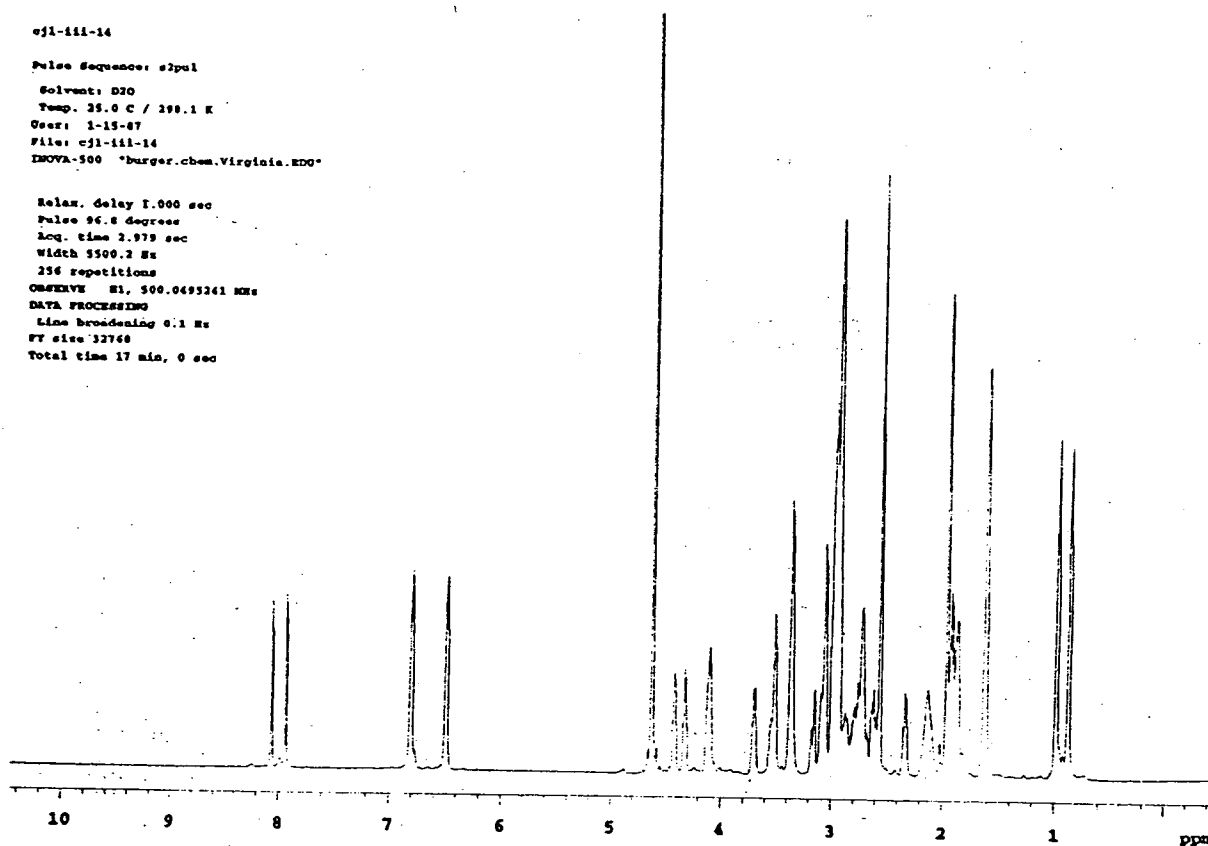
$C_{51}H_{79}N_{17}O_{10}S_3$
Exact Mass: 1185.54
Mol. Wt.: 1186.48
C, 51.63; H, 6.71; N, 20.07; O, 13.48; S, 8.11

Yield 3.11 mg (67%)

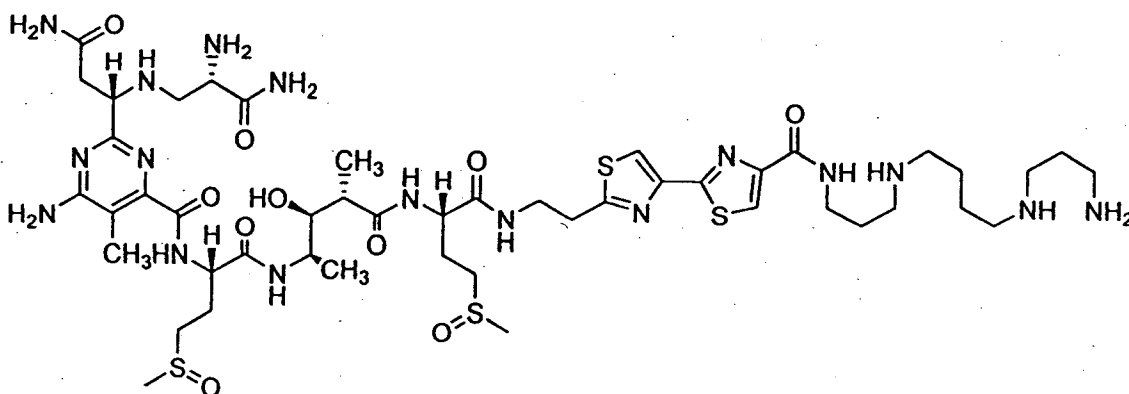
Mass spectrum (electrospray) 11186.7 (M + H)⁺

cjl-iii-14
Pulse Sequence: s2pul
Solvent: D2O
Temp. 25.0 C / 298.1 K
User: 1-15-07
File: cjl-iii-14
INOVA-500 "burger.cbem.Virginia.EDU"

Relax. delay 1.000 sec
Pulse 96.8 degrees
Acq. time 2.979 sec
Width 3500.2 Hz
256 repetitions
OBSERVE H1, 500.0495241 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min, 0 sec



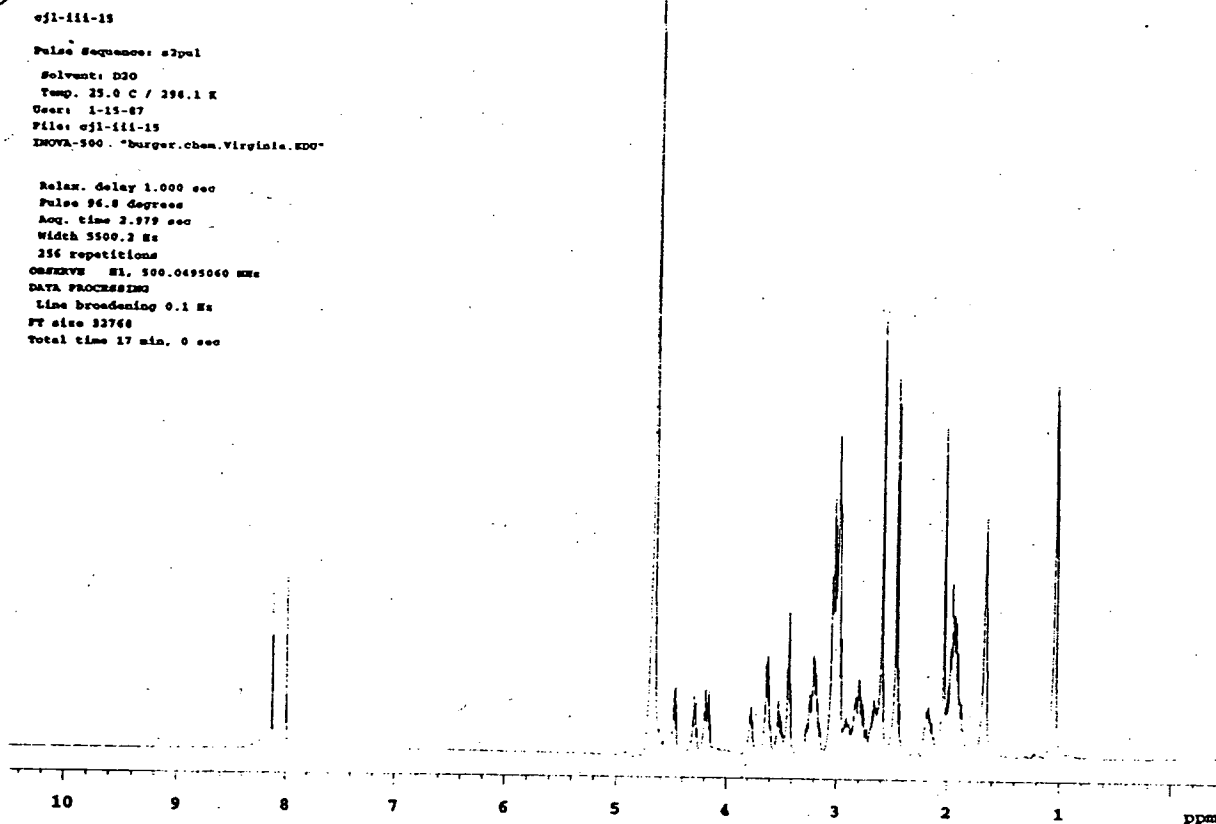
CJL-32
CJL-iii-15



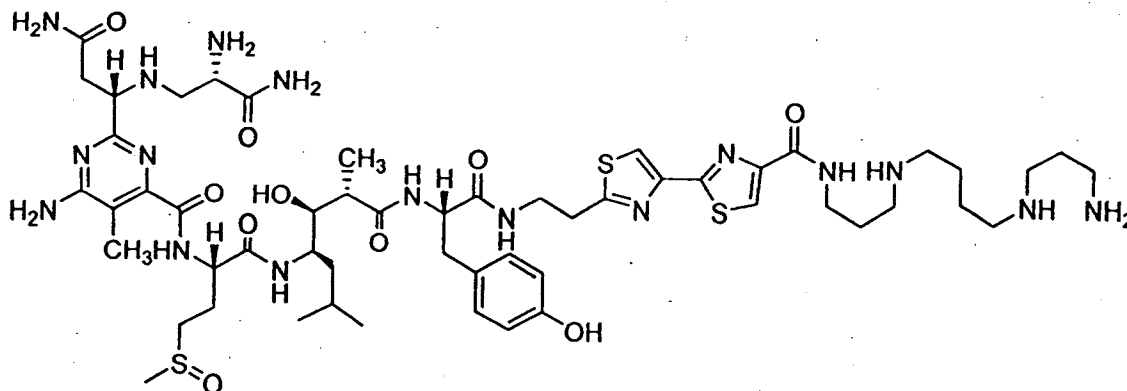
$C_{47}H_{79}N_{17}O_{10}S_4$
Exact Mass: 1169.51
Mol. Wt.: 1170.50
C, 48.23; H, 6.80; N, 20.34; O, 13.67; S, 10.96

Yield 2.57 mg (56%)

Mass spectrum (electrospray) 1170.6 (M + H)⁺



CJL-33
CJL-iii-16



$C_{54}H_{85}N_{17}O_{10}S_3$
Exact Mass: 1227.58
Mol. Wt.: 1228.56
C, 52.79; H, 6.97; N, 19.38; O, 13.02; S, 7.83

Yield 2.58 mg (54%)

Mass spectrum (electrospray) 1228.7 (M + H)⁺

cjl-iii-16

Pulse Sequence: zgpg1

Solvent: D2O

Temp. 25.0 C / 298.1 K

Acq: 1-15-07

File: cjl-iii-16

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

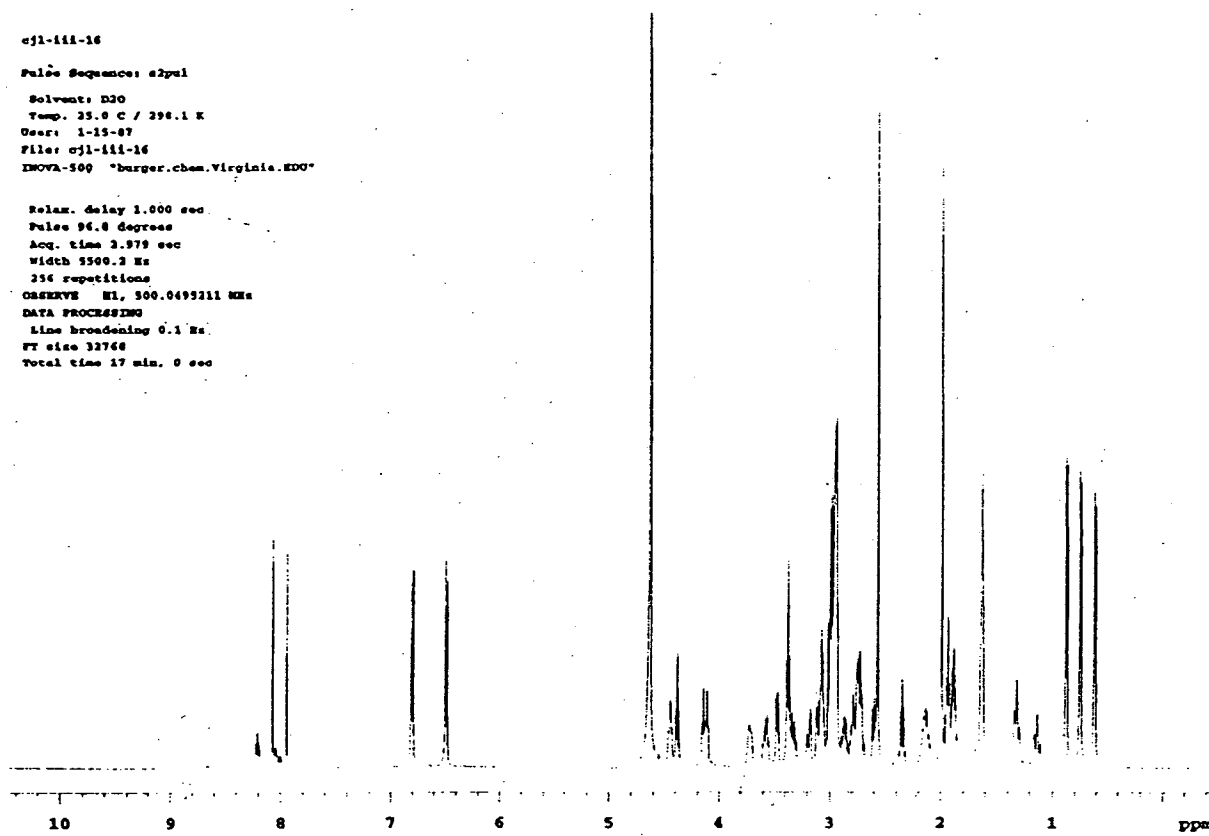
OBSERVE H1, 500.0495211 MHz

DATA PROCESSING

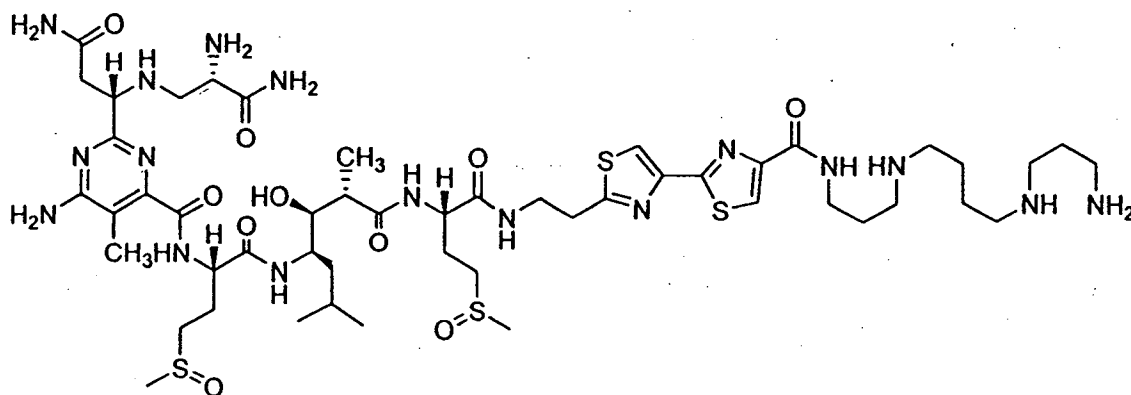
Line broadening 0.1 Hz

FT size 32768

Total time 17 min. 0 sec



CJL-34
CJL-iii-17



$C_{50}H_{85}N_{17}O_{10}S_4$
Exact Mass: 1211.55
Mol. Wt.: 1212.58
C, 49.53; H, 7.07; N, 19.64; O, 13.19; S, 10.58

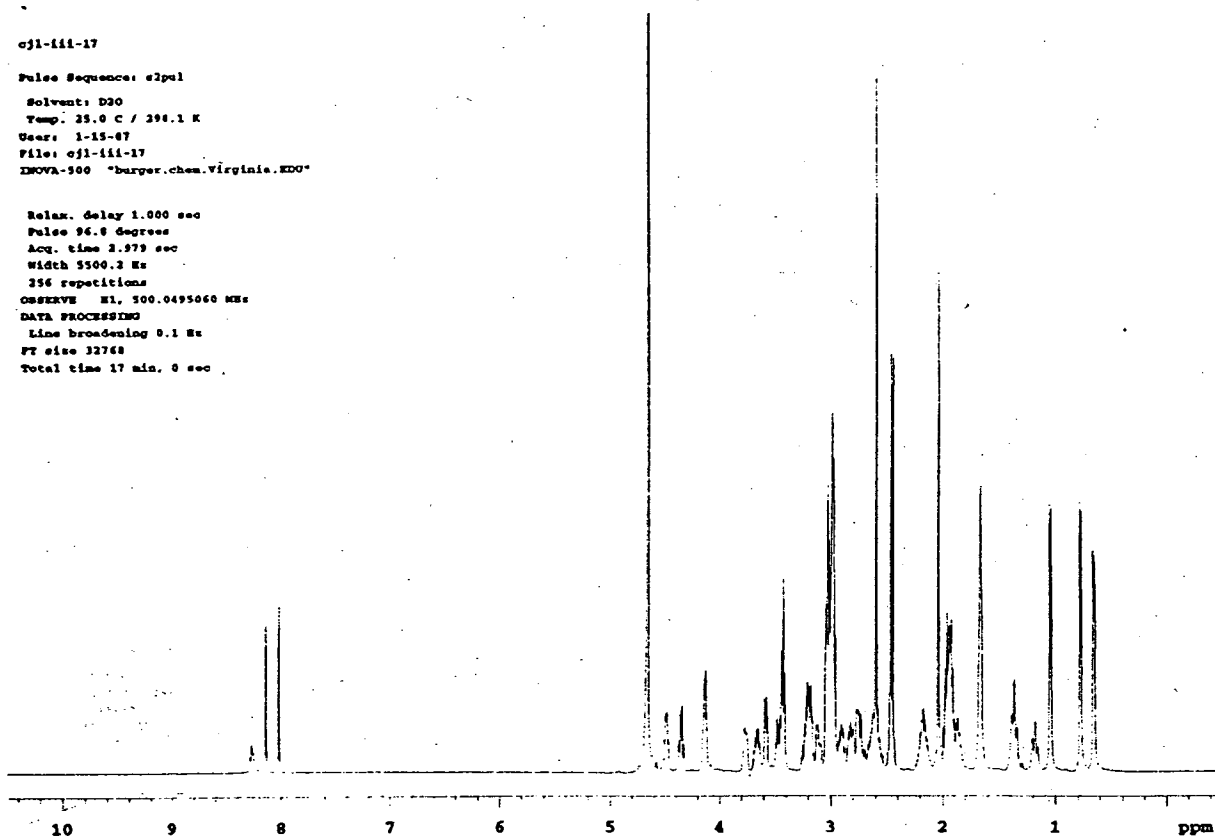
Yield 1.86 mg (39%)

Mass spectrum (electrospray) 1212.7 (M + H)⁺

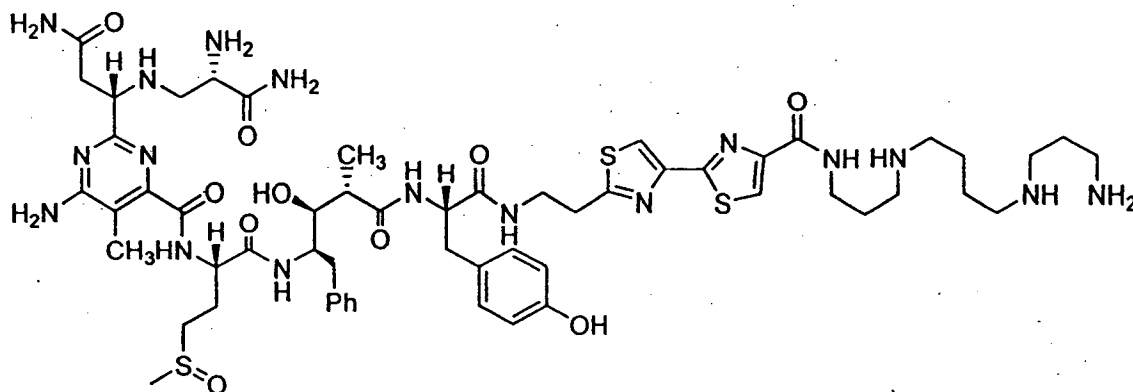
cjl-iii-17

Pulse Sequence: s2pul
Solvent: D2O
Temp: 25.0 C / 298.1 K
User: 1-15-07
File: cjl-iii-17
INOVA-500 *burper.chem.Virginia.KDD*

Relax. delay 1.000 sec
Pulse 96.8 Degrees
Acq. time 2.979 sec
Width 5500.2 Hz
356 repetitions
OBSERVE E1, 500.0495060 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min. 0 sec



CJL-35-1
 CJL-35-2
 CJL-iii-18



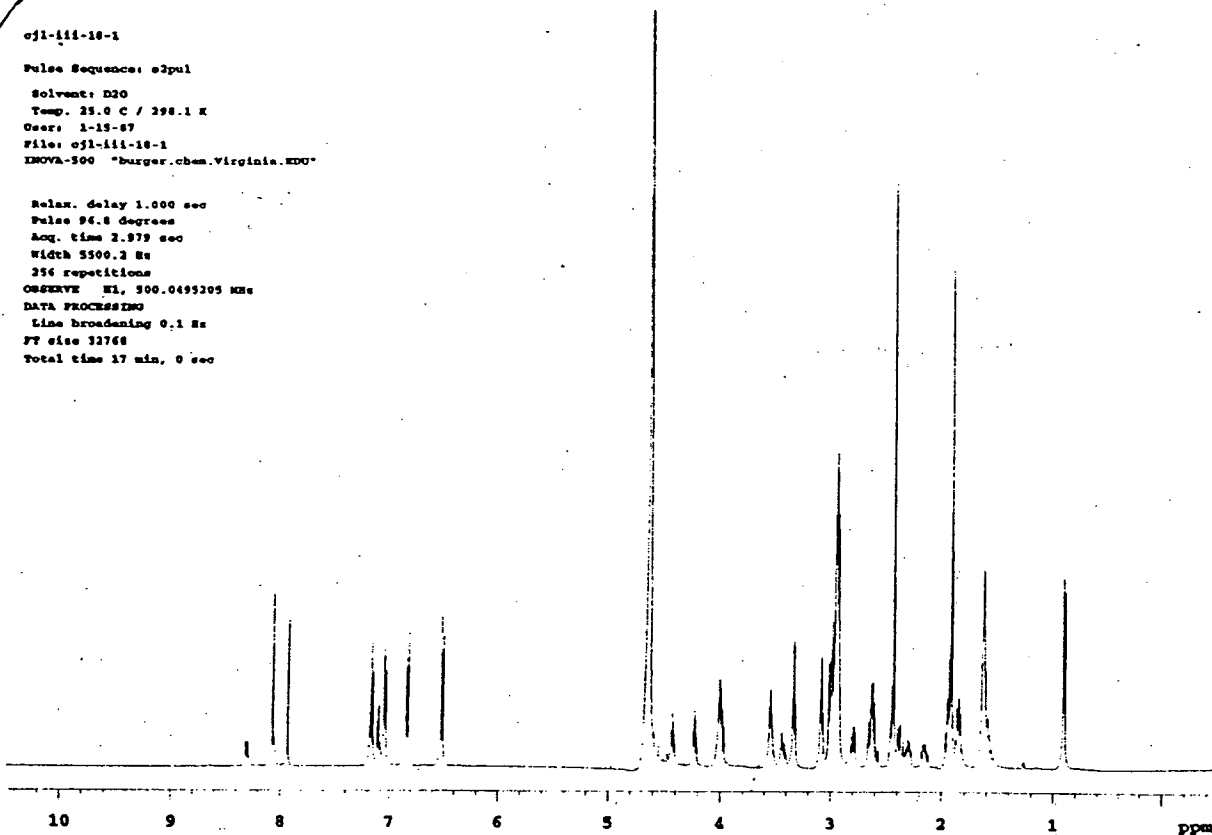
$C_{57}H_{83}N_{17}O_{10}S_3$
 Exact Mass: 1261.57
 Mol. Wt.: 1262.58
 C, 54.22; H, 6.63; N, 18.86; O, 12.67; S, 7.62

Yield (1) 1.29 mg (52%)
 Yield (2) 1.62 mg (66%)
 Mass spectrum (electrospray) 1262.7 (M + H)⁺

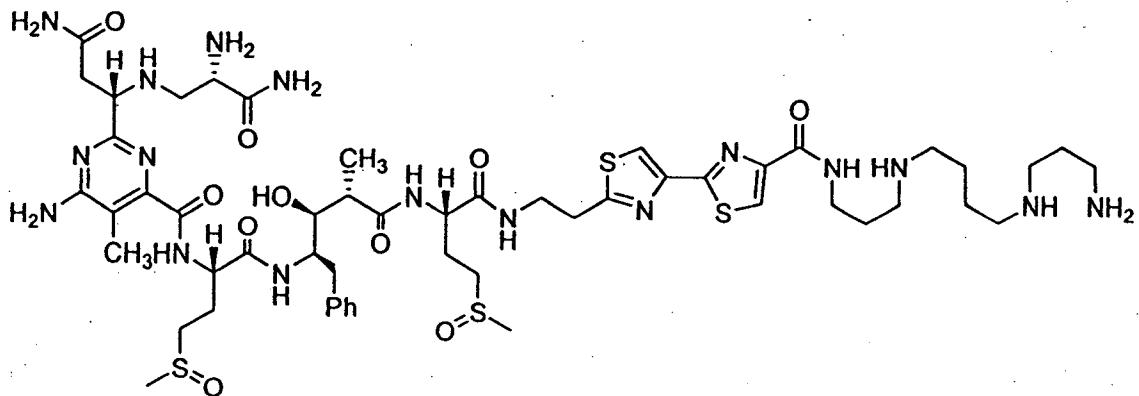
cjl-iii-18-1

Pulse Sequence: s2pul
 Solvent: D2O
 Temp: 25.0 C / 298.1 K
 Gears: 1-15-87
 File: cjl-iii-18-1
 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 H1, 500.0495205 MHz
 DATA PROCESSING
 Line broadening 0.1 Hz
 FT size 32768
 Total time 17 min, 0 sec

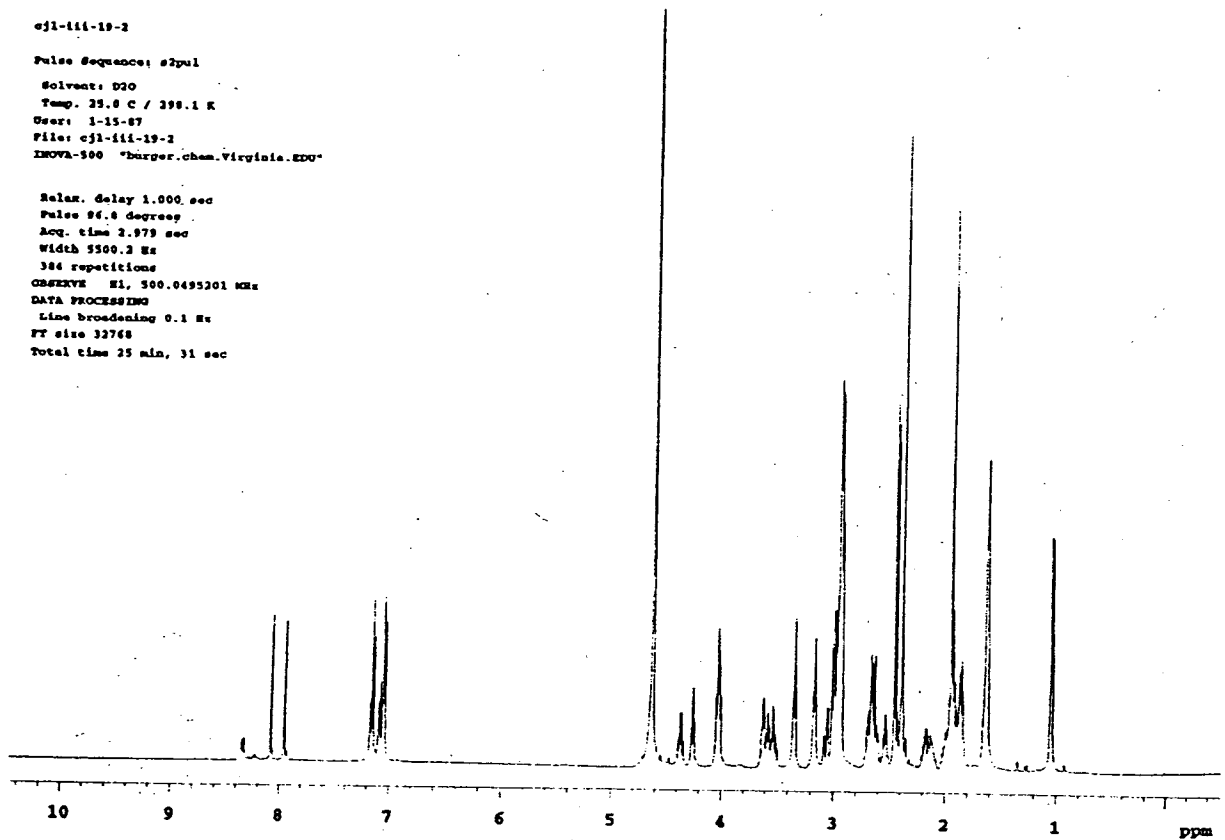


CJL-36-1
 CJL-36-2
 CJL-iii-19

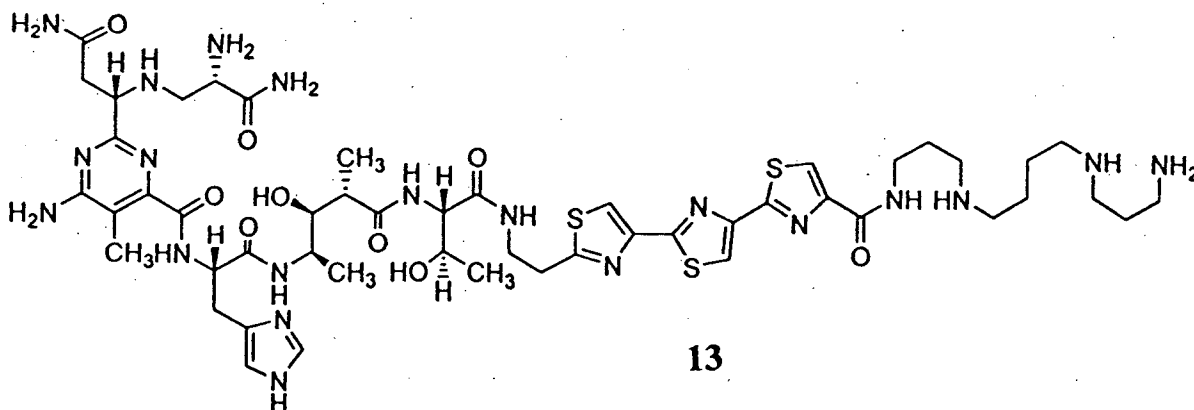


$C_{53}H_{83}N_{17}O_{10}S_4$
 Exact Mass: 1245.54
 Mol. Wt.: 1246.60
 C, 51.06; H, 6.71; N, 19.10; O, 12.83; S, 10.29

Yield (1) 1.29 mg (52%)
 Yield (2) 1.72 mg (70%)
 Mass spectrum (electrospray) 1246.7 (M + H)⁺

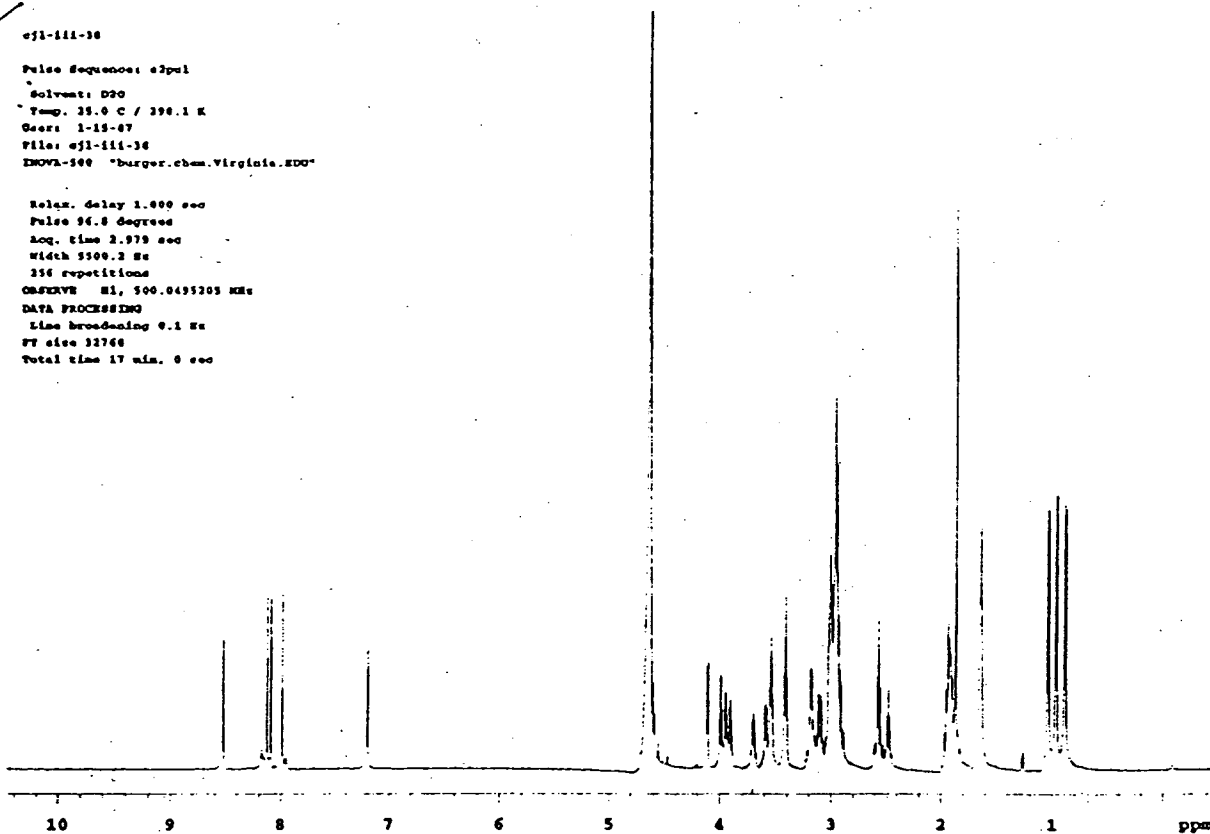


CJL-37
CJL-iii-38

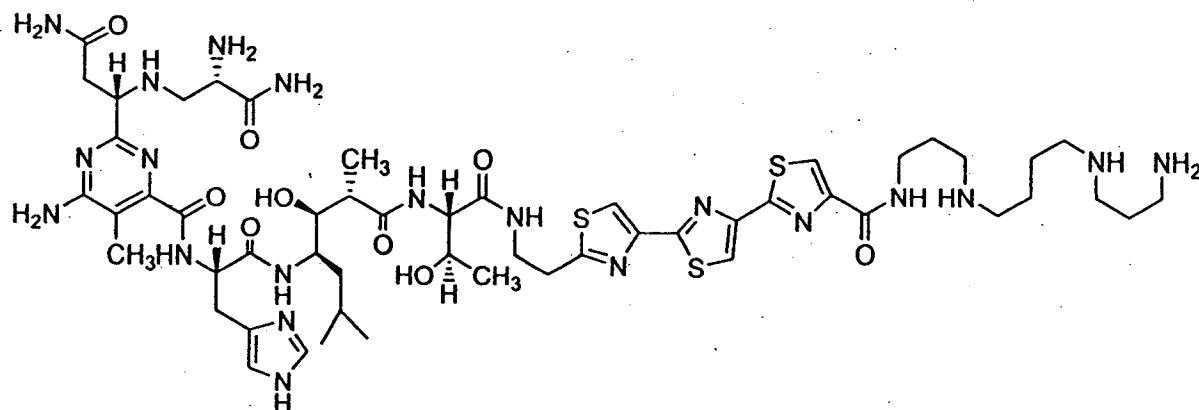


$C_{50}H_{76}N_{20}O_9S_3$
Exact Mass: 1196.53
Mol. Wt.: 1197.47
C, 50.15; H, 6.40; N, 23.39; O, 12.02; S, 8.03

Yield 1.43 mg (31%)
Mass spectrum (electrospray) 1197.7 (M + H)⁺



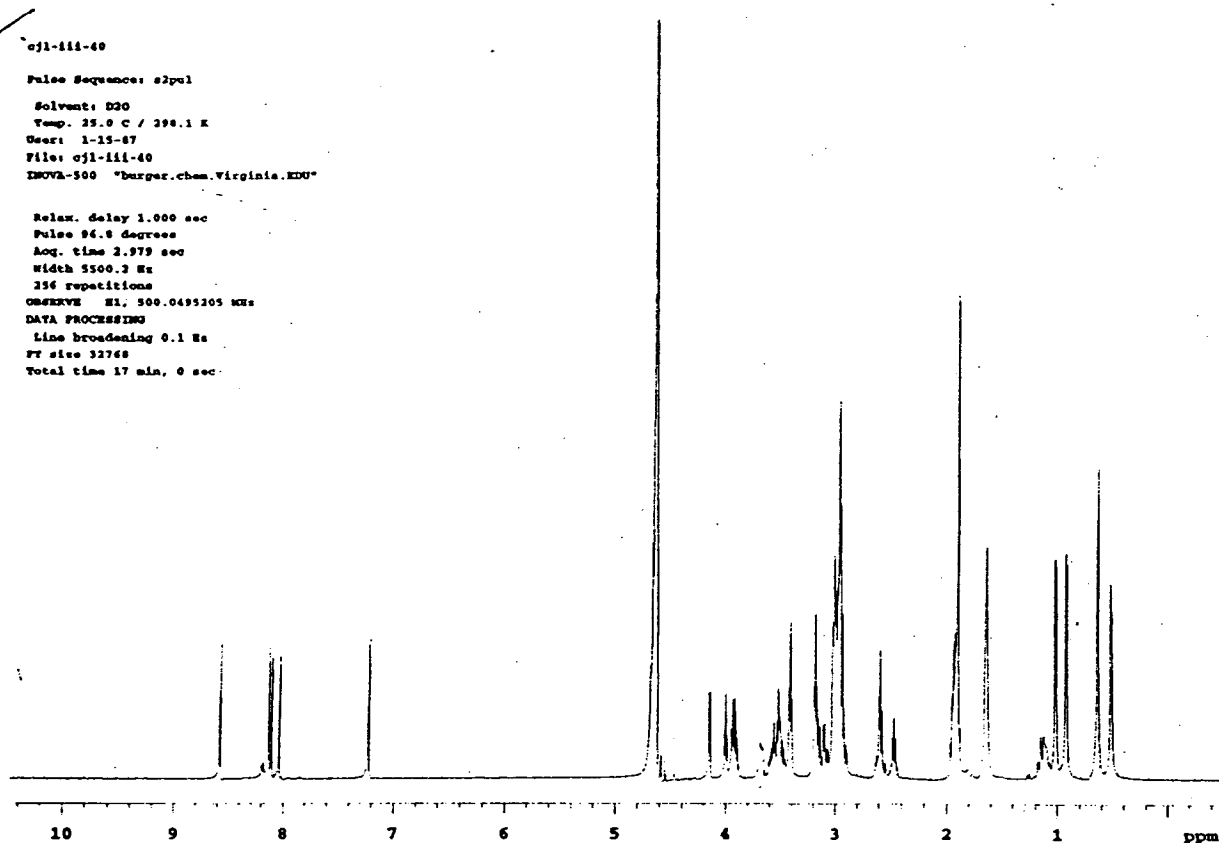
CJL-38
CJL-iii-40



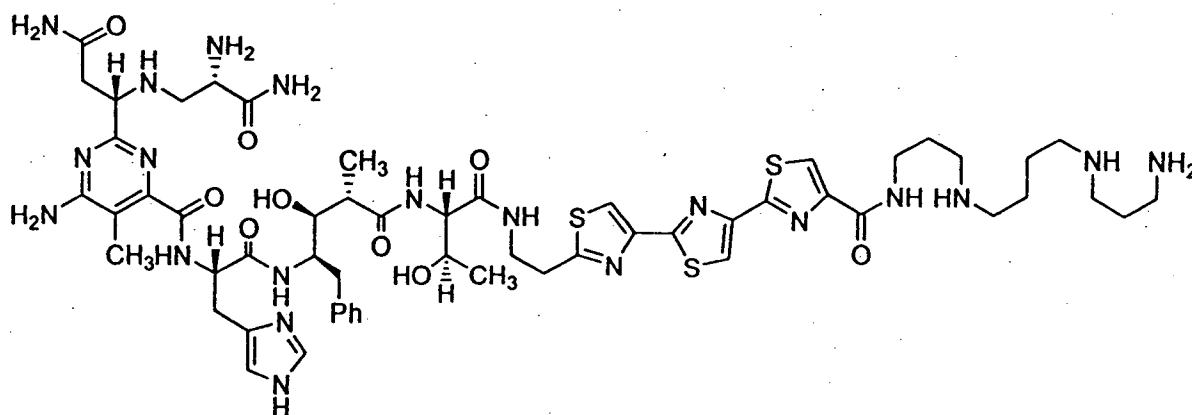
$C_{53}H_{82}N_{20}O_9S_3$
Exact Mass: 1238.57
Mol. Wt.: 1239.55
C, 51.35; H, 6.67; N, 22.60; O, 11.62; S, 7.76

Yield 1.52 mg (32%)

Mass spectrum (electrospray) 1239.8 (M + H)⁺



CJL-39
CJL-iii-42



$C_{56}H_{80}N_{20}O_9S_3$
Exact Mass: 1272.56
Mol. Wt.: 1273.56
C, 52.81; H, 6.33; N, 22.00; O, 11.31; S, 7.55

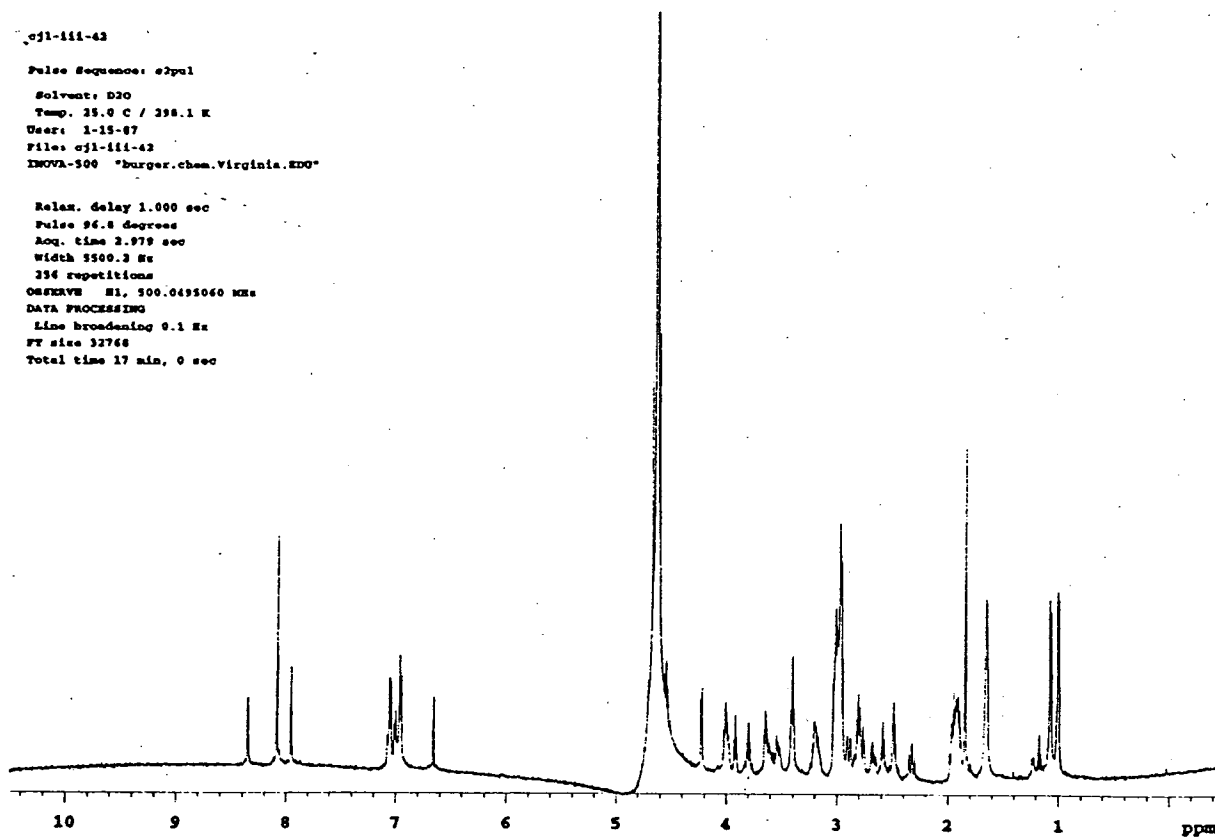
Yield 509 μ g (10%)

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

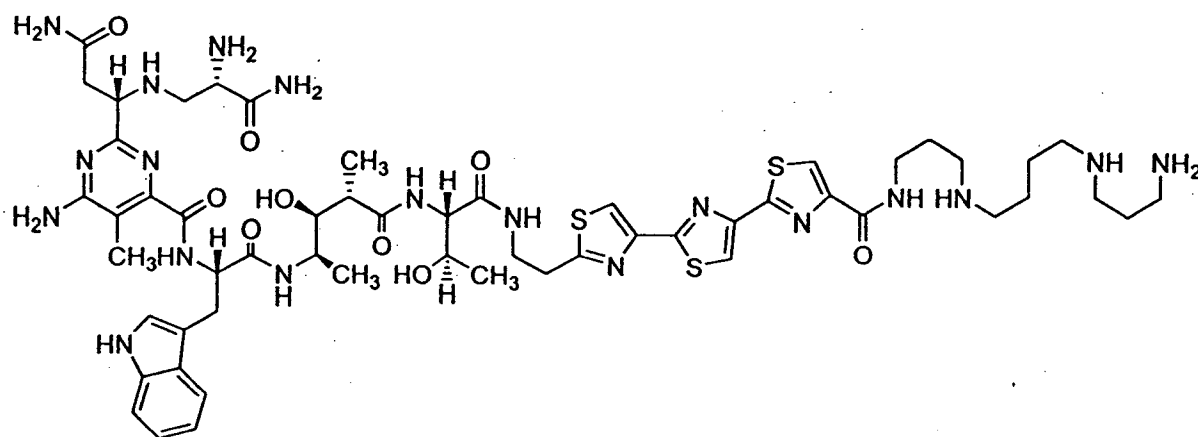
cjl-iii-42

Pulse Sequence: s2pul
Solvent: D2O
Temp. 25.0 C / 298.1 K
User: 1-15-07
File: cjl-iii-42
INOVA-500 "burger.chem.Virginia.EDU"

Relax. delay 1.000 sec
Pulse 96.8 degrees
Acq. time 2.979 sec
Width 5500.3 Hz
354 repetitions
OBSERVE H1, 500.0455060 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FF size 32768
Total time 17 min, 0 sec



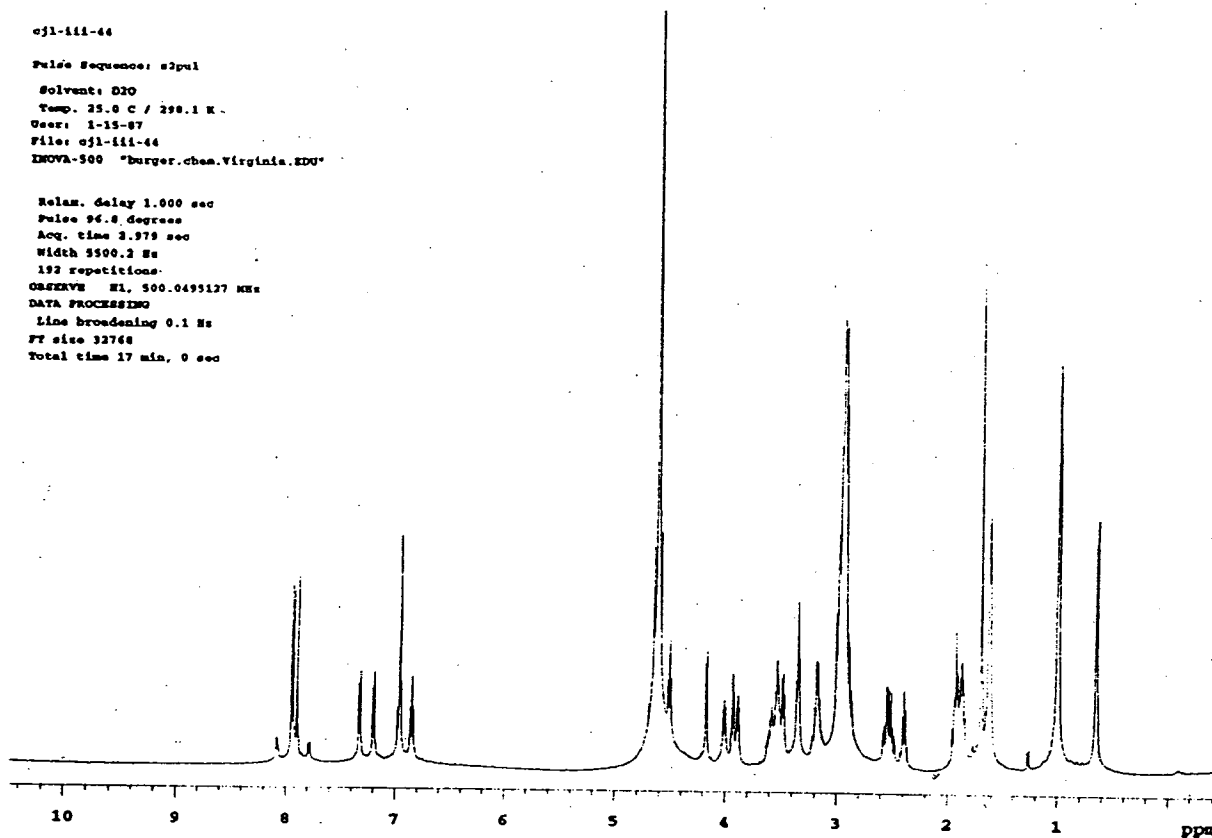
CJL-40
CJL-iii-44



$C_{55}H_{79}N_{19}O_9S_3$
Exact Mass: 1245.55
Mol. Wt.: 1246.54
C, 52.99; H, 6.39; N, 21.35; O, 11.55; S, 7.72

Yield 2.07 mg (42%)

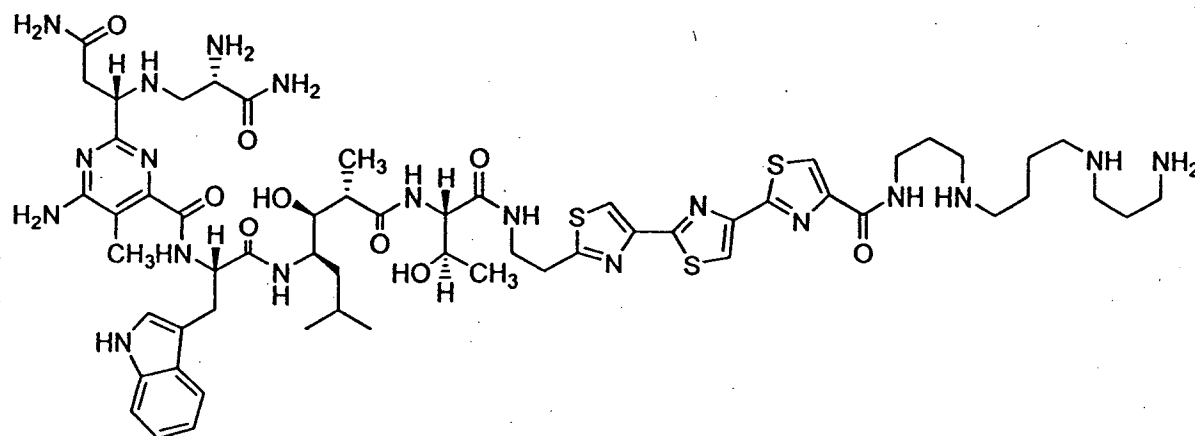
Mass spectrum (electrospray) 1246.7 (M + H)⁺



cjl-iii-44
Pulse Sequence: s2pul
Solvent: D2O
Temp. 25.0 C / 298.1 K
User: 1-15-07
File: cjl-iii-44
INOVA-500 "burger.cham.Virginia.EDU"

Relax. delay 1.000 sec
Pulse 96.8 degree
Acq. time 2.979 sec
Width 5500.2 Hz
192 repetitions
GASAVE HL 500.0495127 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min, 0 sec

CJL-41
Cjl-ii-46



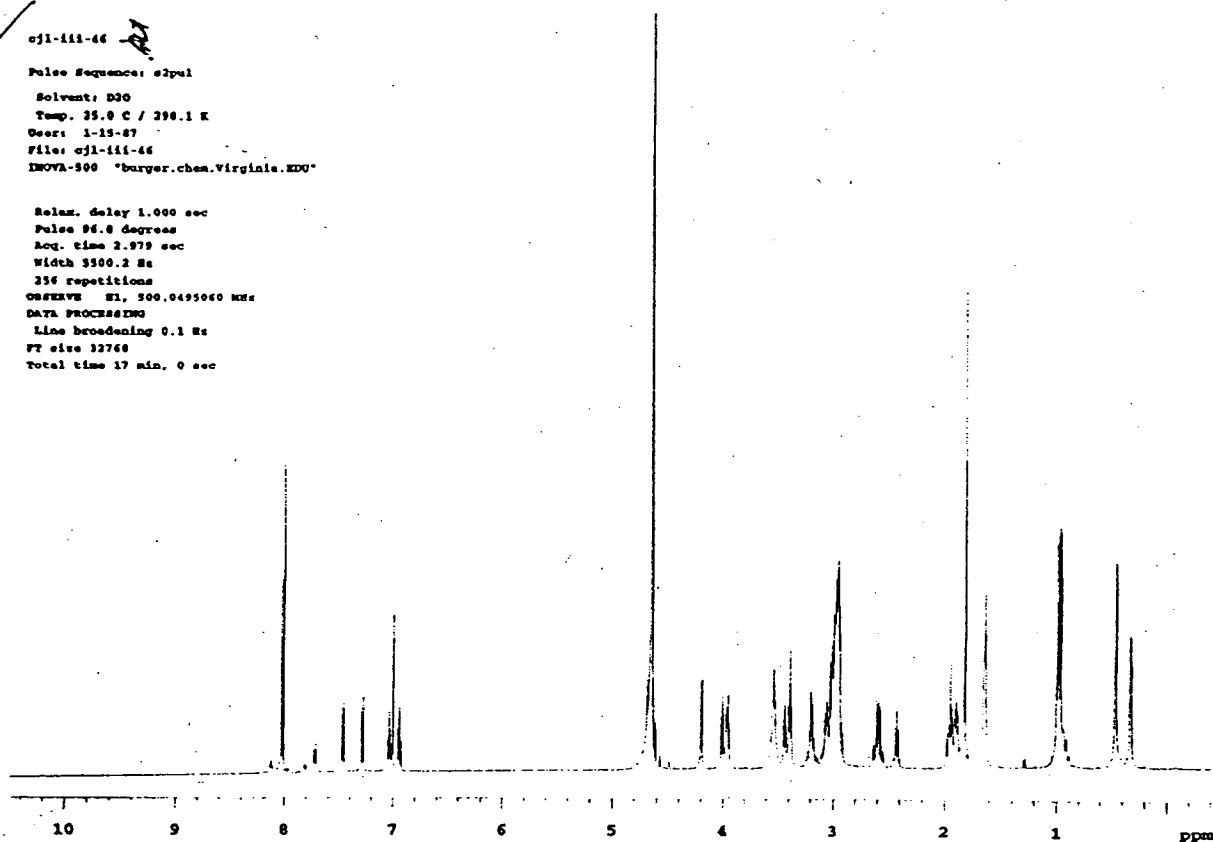
$C_{58}H_{85}N_{19}O_9S_3$
Exact Mass: 1287.59
Mol. Wt.: 1288.62
C, 54.06; H, 6.65; N, 20.65; O, 11.17; S, 7.47

Yield 1.14 mg (23%)

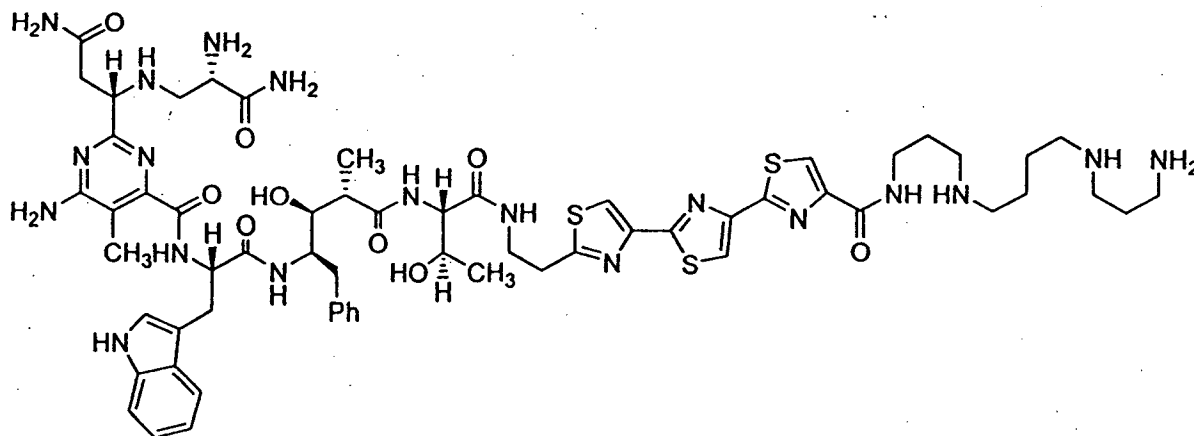
Mass spectrum (electrospray) 1288.7 (M + H)⁺

cjl-111-46
Pulse Sequence: s2pul
Solvent: D2O
Temp. 25.0 C / 298.1 K
Gears: 1-15-47
File: cjl-111-46
INOVA-500 "burger.chem.virginia.edu"

Relax. delay 1.000 sec
Pulse 94.8 degrees
Acq. time 2.979 sec
Width 3500.2 Hz
256 repetitions
OBSERVE F1, 500.0495040 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min. 0 sec



CJL-42
Cjl-iii-48

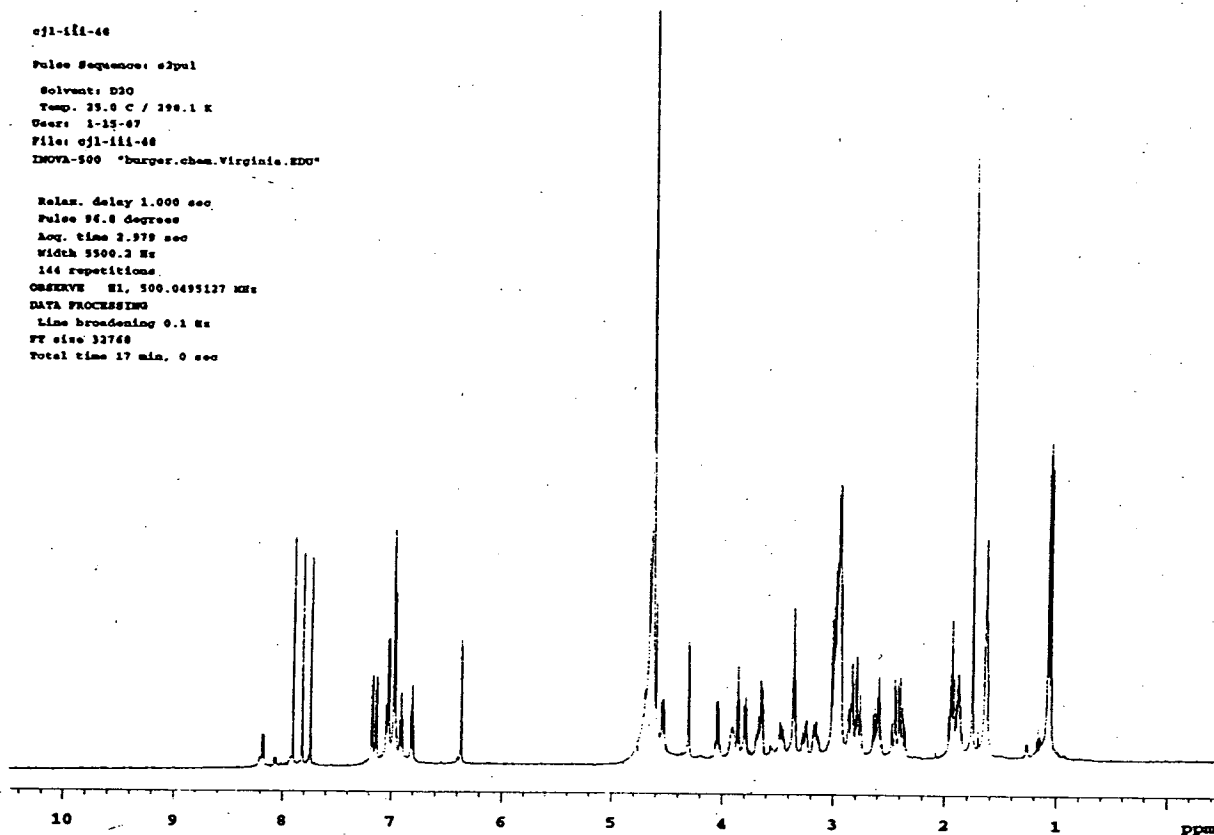


$C_{61}H_{83}N_{19}O_9S_3$
Exact Mass: 1321.58
Mol. Wt.: 1322.63
C, 55.39; H, 6.33; N, 20.12; O, 10.89; S, 7.27

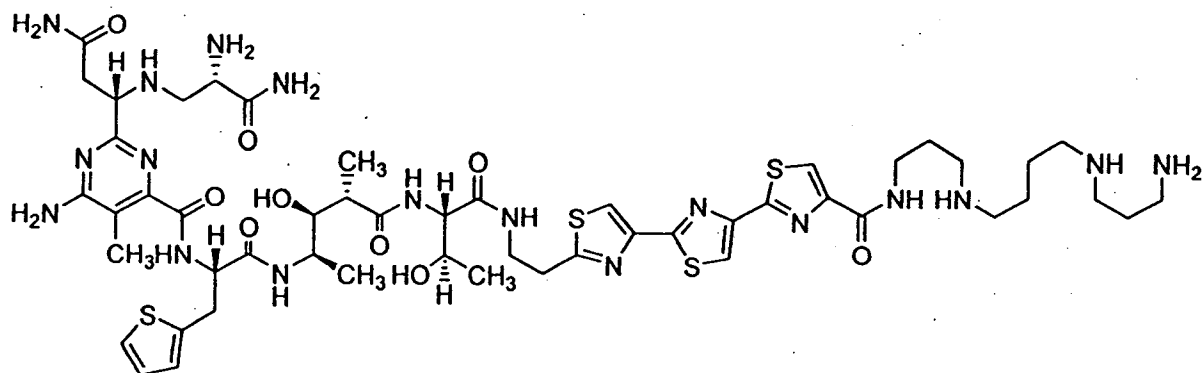
Yield 1.19 mg (23%)
Mass spectrum (electrospray) 1322.8 (M + H)⁺

cjl-iii-48
Pulse Sequence: e2pul
Solvent: D2O
Temp. 35.0 C / 298.1 K
Date: 1-15-07
File: cjl-iii-48
INOVA-500 "burger.chem.virginia.EDU"

Relax. delay 1.000 sec
Pulse 16.8 degrees
Acq. time 2.979 sec
Width 5500.2 Hz
144 repetitions
OBSERVE H1, 500.0495127 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32748
Total time 17 min, 0 sec



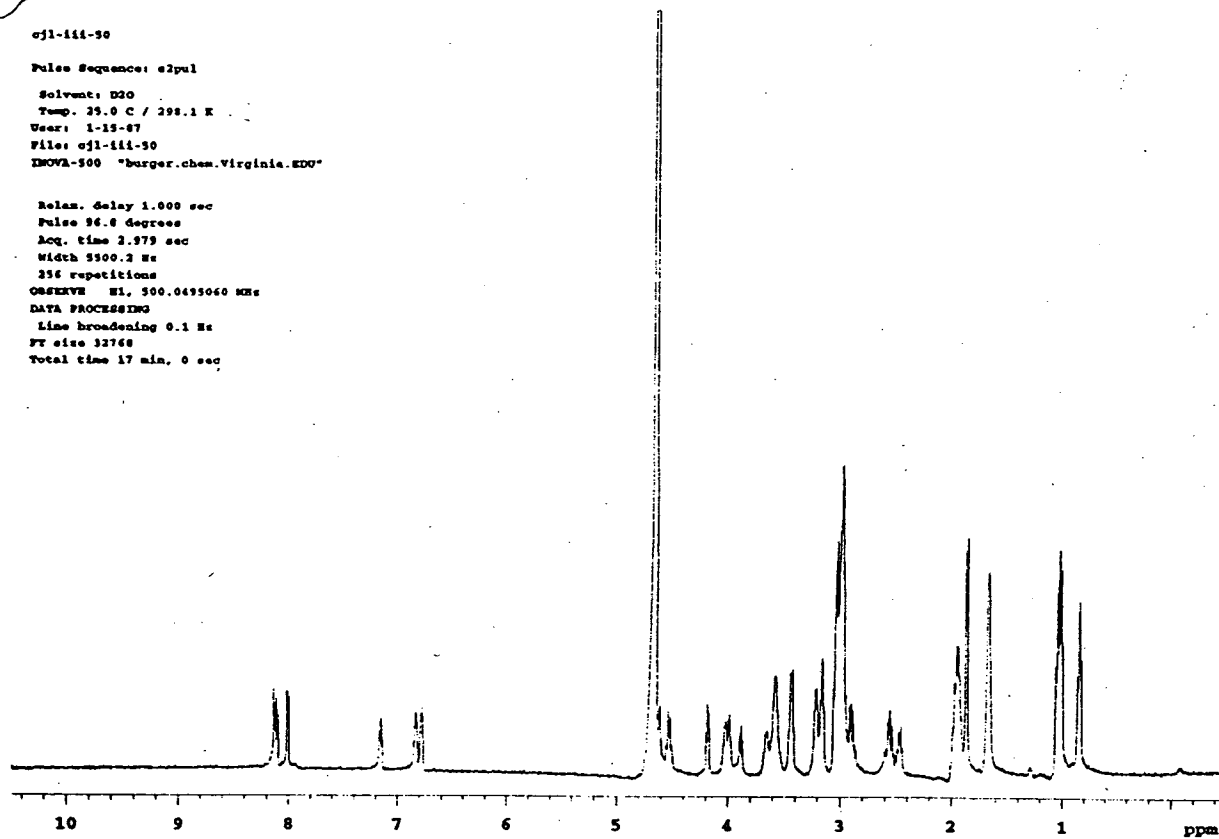
CJL-43
Cjl-iii-50



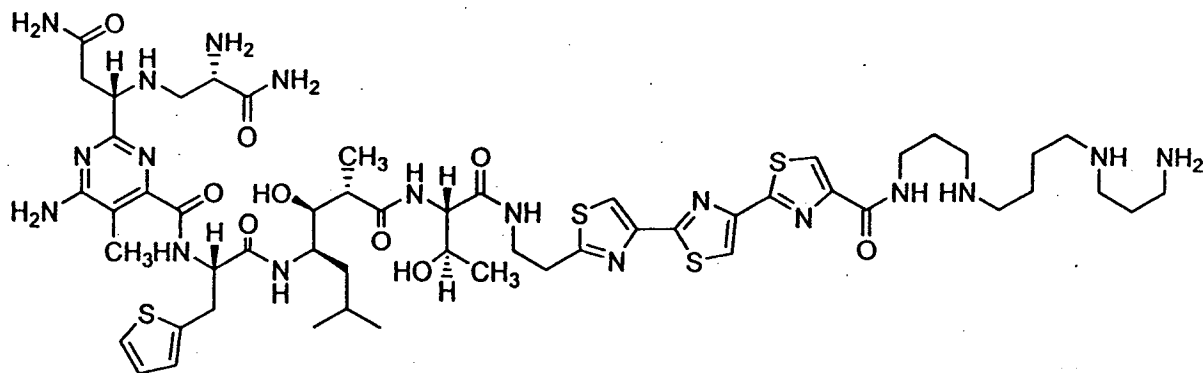
$C_{51}H_{76}N_{18}O_9S_4$
Exact Mass: 1212.49
Mol. Wt.: 1213.53
C, 50.48; H, 6.31; N, 20.78; O, 11.87; S, 10.57

Yield 1.89 mg (40%)

Mass spectrum (electrospray) 1213.6 (M+H)⁺



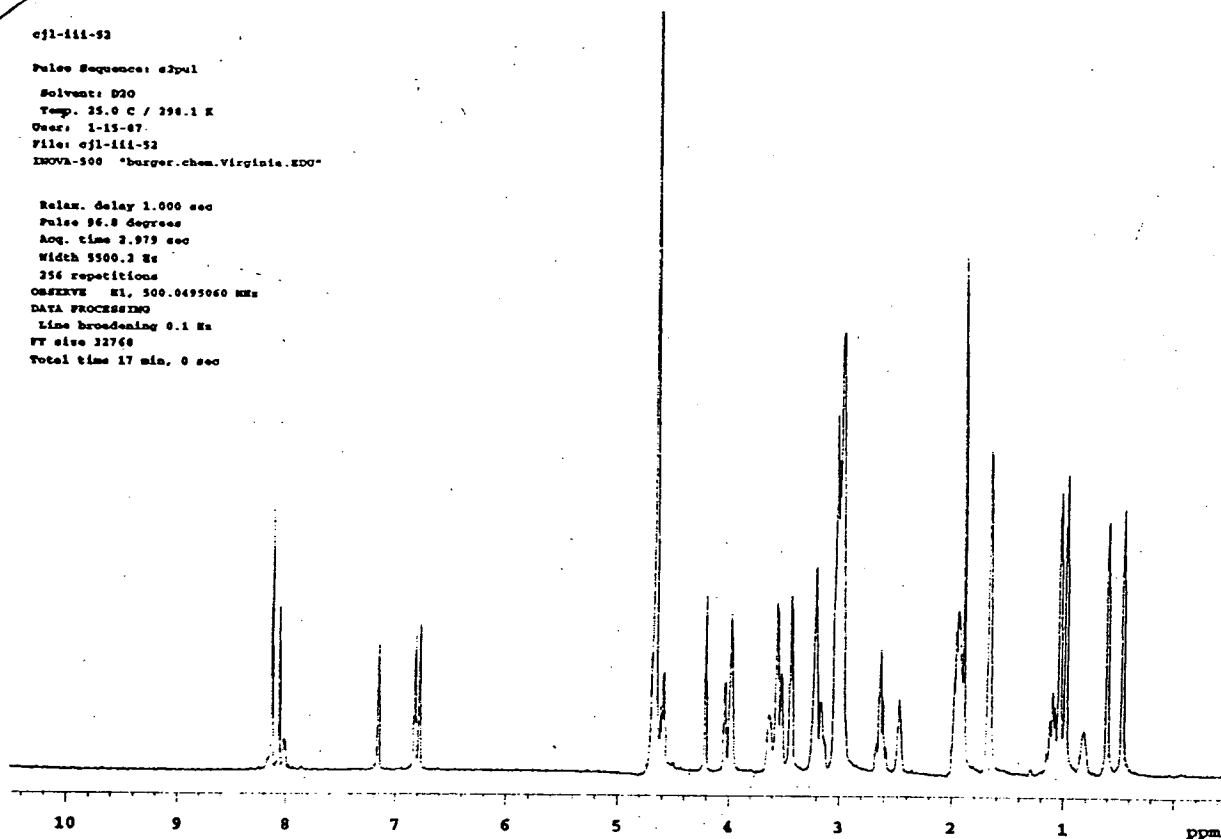
CJL-44
CJl-iii-52



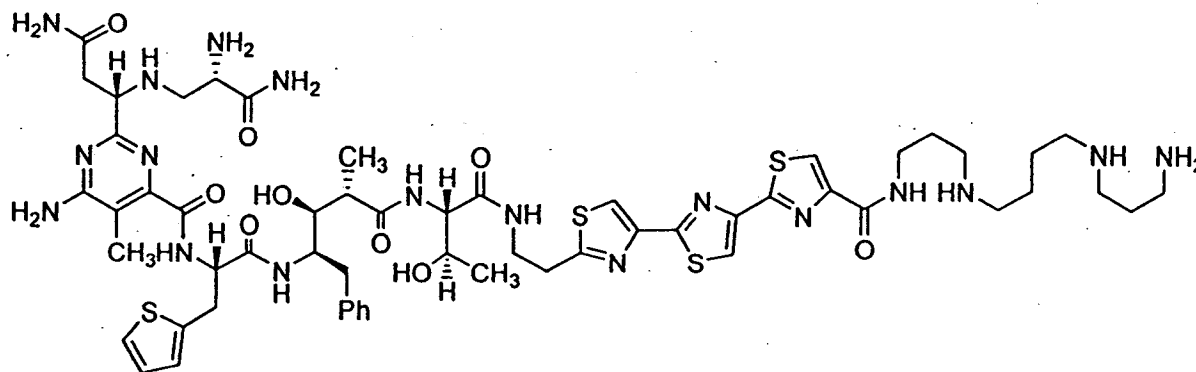
$C_{54}H_{82}N_{18}O_9S_4$
Exact Mass: 1254.54
Mol. Wt.: 1255.61
C, 51.65; H, 6.58; N, 20.08; O, 11.47; S, 10.22

Yield 1.37 mg (28%)

Mass spectrum (electrospray) 1255.6 ($M + H^+$)

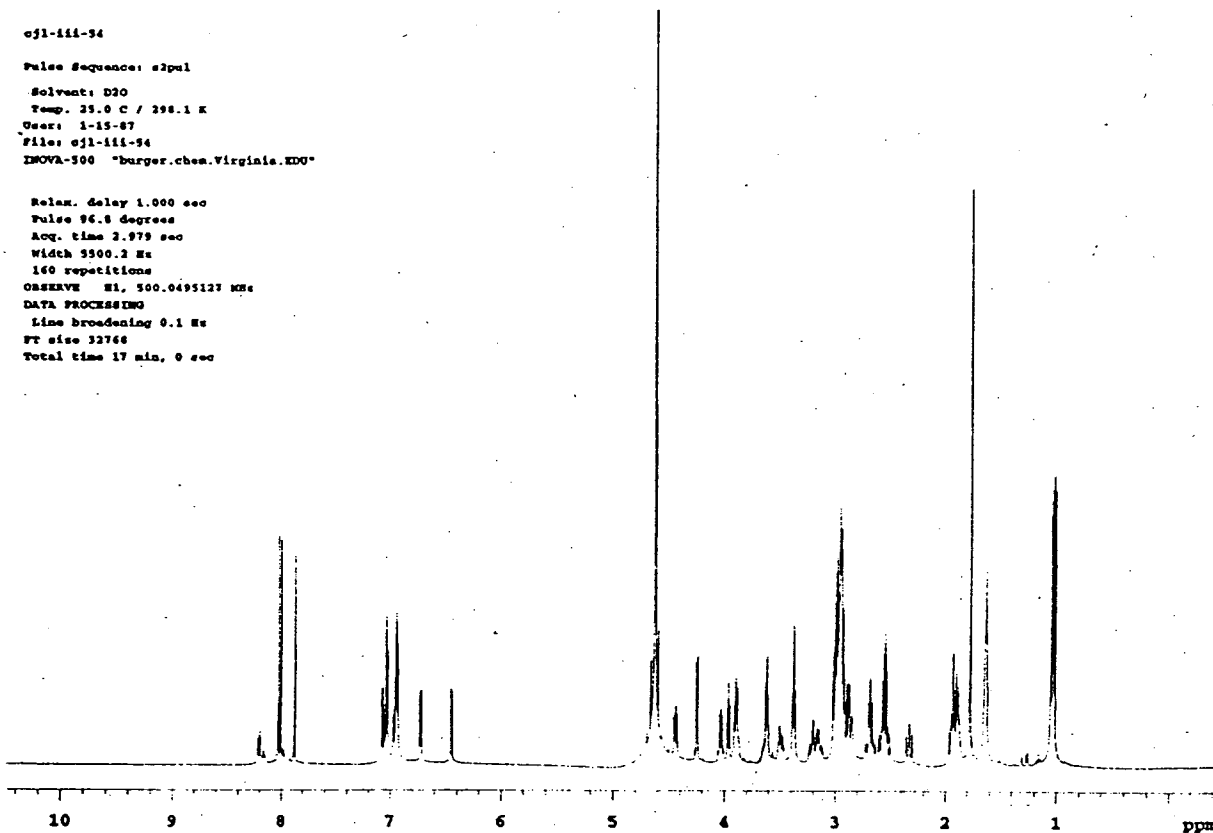


CJL-45
CJL-iii-54

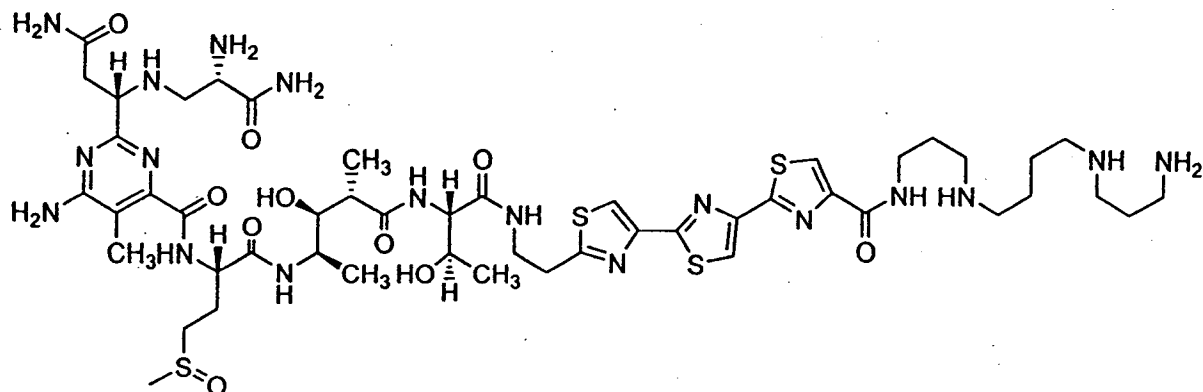


$C_{57}H_{80}N_{18}O_9S_4$
Exact Mass: 1288.52
Mol. Wt.: 1289.63
C, 53.09; H, 6.25; N, 19.55; O, 11.17; S, 9.95

Yield 1.83 mg (36%)
Mass spectrum (electrospray) 1289.6 (M + H)⁺



CJL-46
Cjl-iii-56



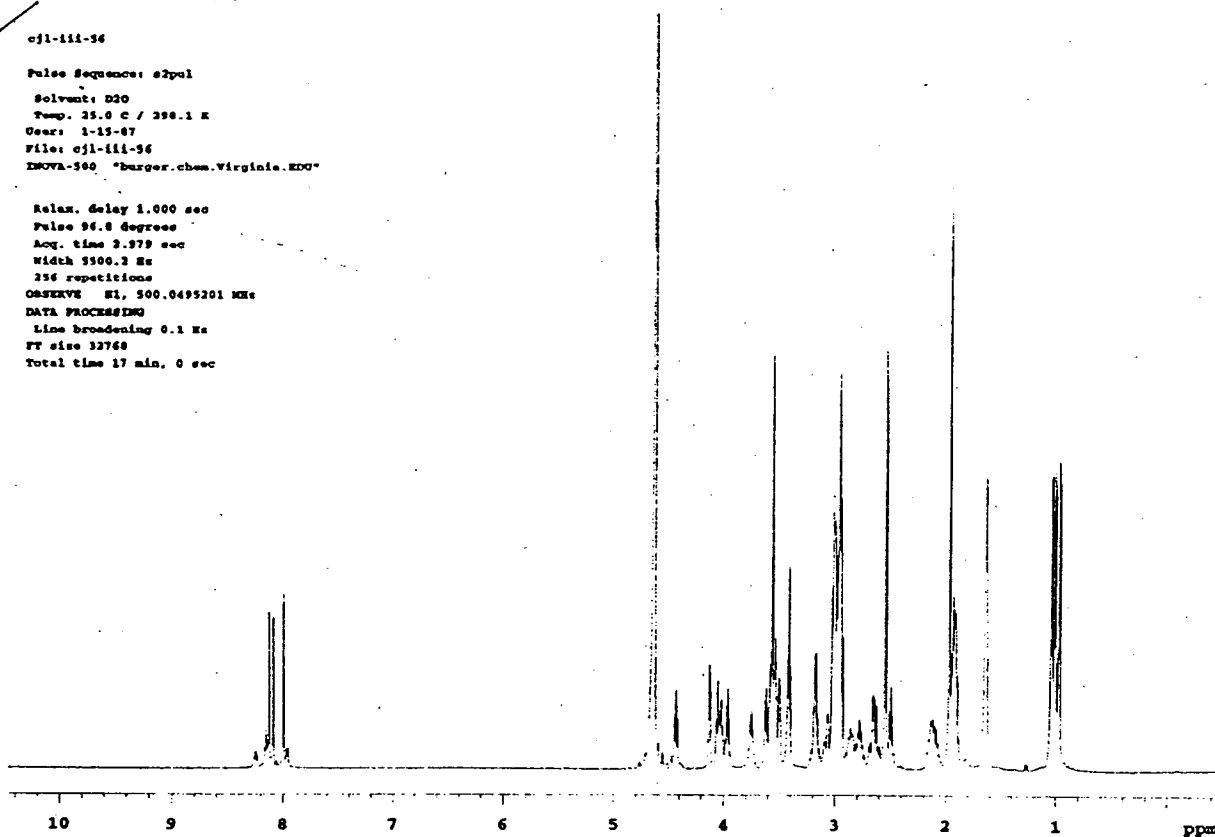
$C_{49}H_{78}N_{18}O_{10}S_4$
Exact Mass: 1206.50
Mol. Wt.: 1207.52
C, 48.74; H, 6.51; N, 20.88; O, 13.25; S, 10.62

Yield 2.07 mg (44%)
Mass spectrum (electrospray) 1207.5 (M + H)⁺

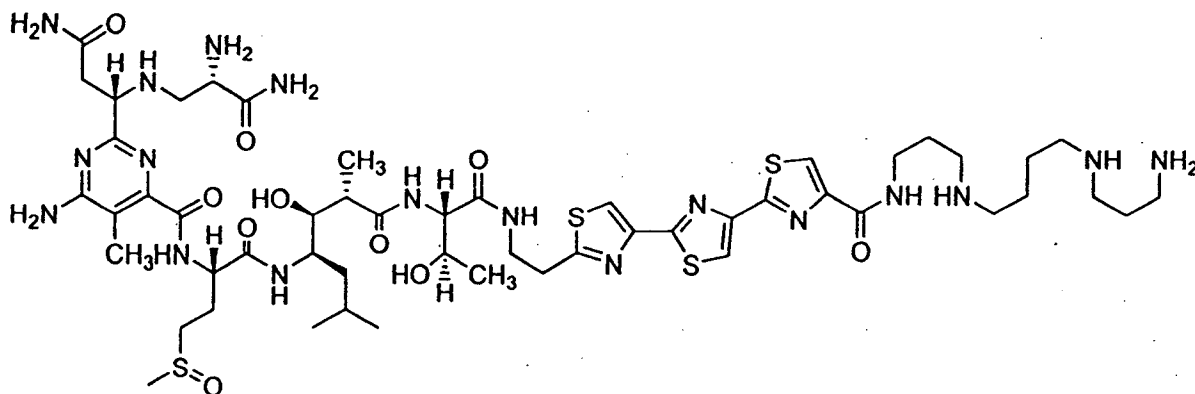
cjl-iii-56

Pulse Sequence: e2pul
Solvent: D2O
Temp. 35.0 C / 298.1 K
Date: 1-15-07
File: cjl-iii-56
INOVA-500 "burger.chem.Virginia.EDU"

Relax. Delay 1.000 sec
Pulse 96.8 Degrees
Acq. time 2.379 sec
Width 5500.2 Hz
356 repetitions
OBSERVE E1, 500.0495201 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min, 0 sec



CJL-47
CJL-iii-58



$C_{52}H_{84}N_{18}O_{10}S_4$
Exact Mass: 1248.55
Mol. Wt.: 1249.60

C, 49.98; H, 6.78; N, 20.18; O, 12.80; S, 10.26

yield 1.63 mg (34%)

Mass spectrum (electrospray) 1249.6 (M + H)⁺

cjl-iii-58

Pulse Sequence: e2pul

Solvent: D2O

Temp. 25.0 C / 298.1 K

Year: 1-15-87

File: cjl-iii-58

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

Relax. delay 1.000 sec

Pulse 96.0 degrees

Acq. time 7.979 sec

Width 5300.2 Hz

256 repetitions

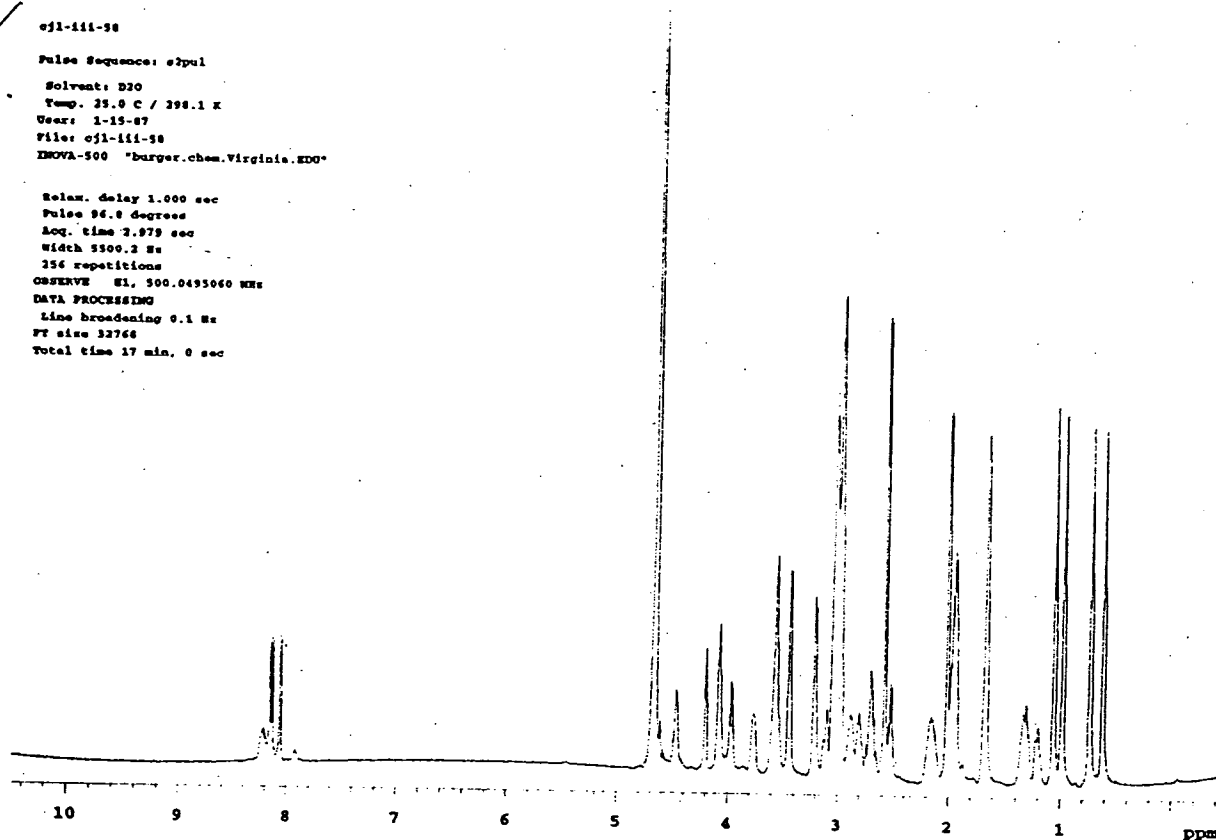
OBSERVE E1, 500.0495060 MHz

DATA PROCESSING

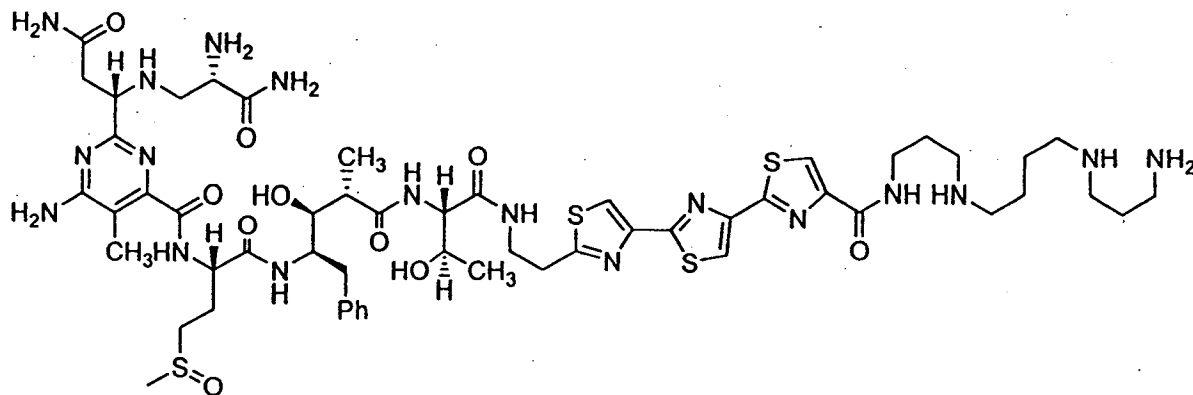
Line broadening 0.1 Hz

FT size 32768

Total time 17 min. 0 sec

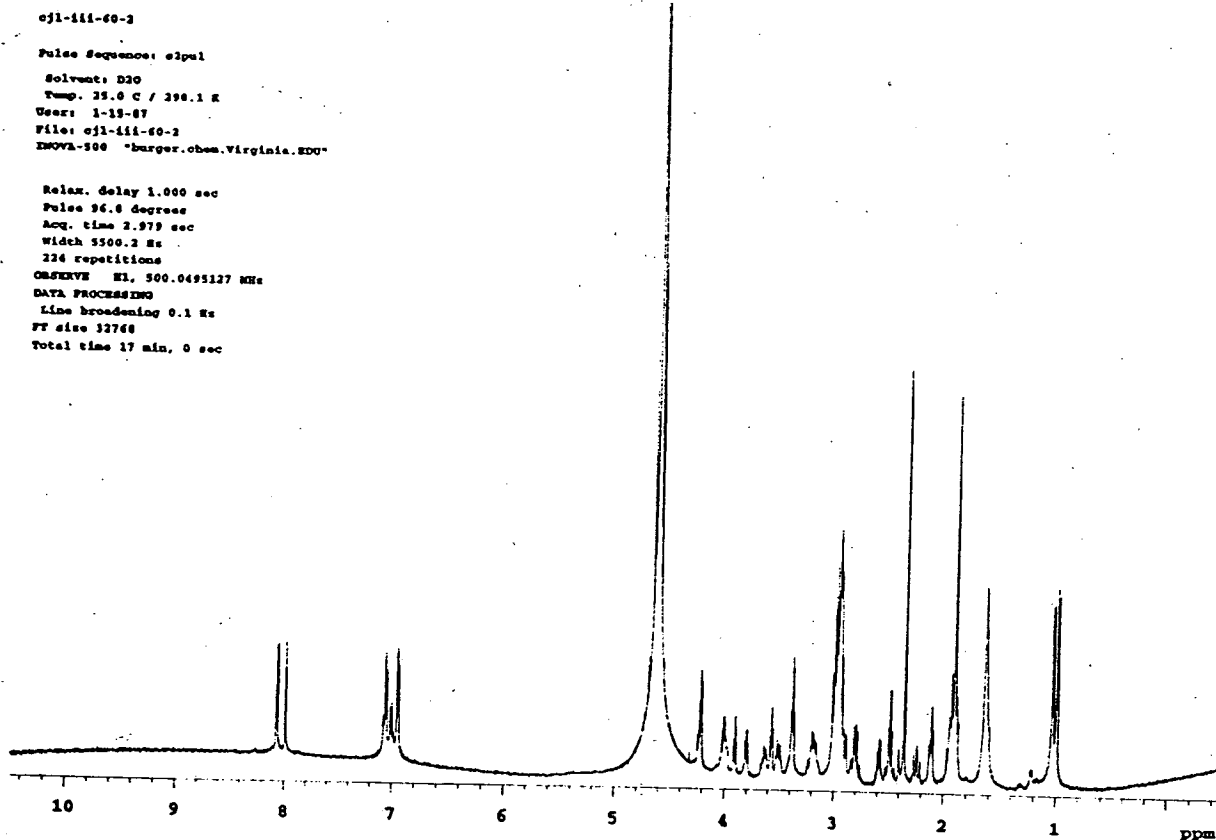


CJL-48-1
 CJL-48-2
 CJL-iii-60

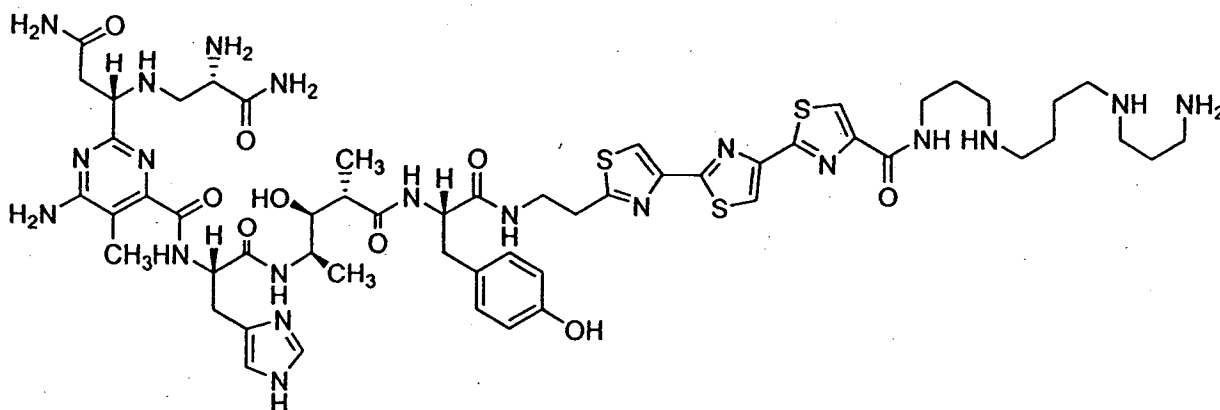


$C_{55}H_{82}N_{18}O_{10}S_4$
 Exact Mass: 1282.53
 Mol. Wt.: 1283.62
 C, 51.46; H, 6.44; N, 19.64; O, 12.46; S, 9.99

Yield (1) 825 μ g (32%)
 Yield (2) 525 μ g (21%)
 Mass spectrum (electrospray) 1283.6 (M + H)⁺



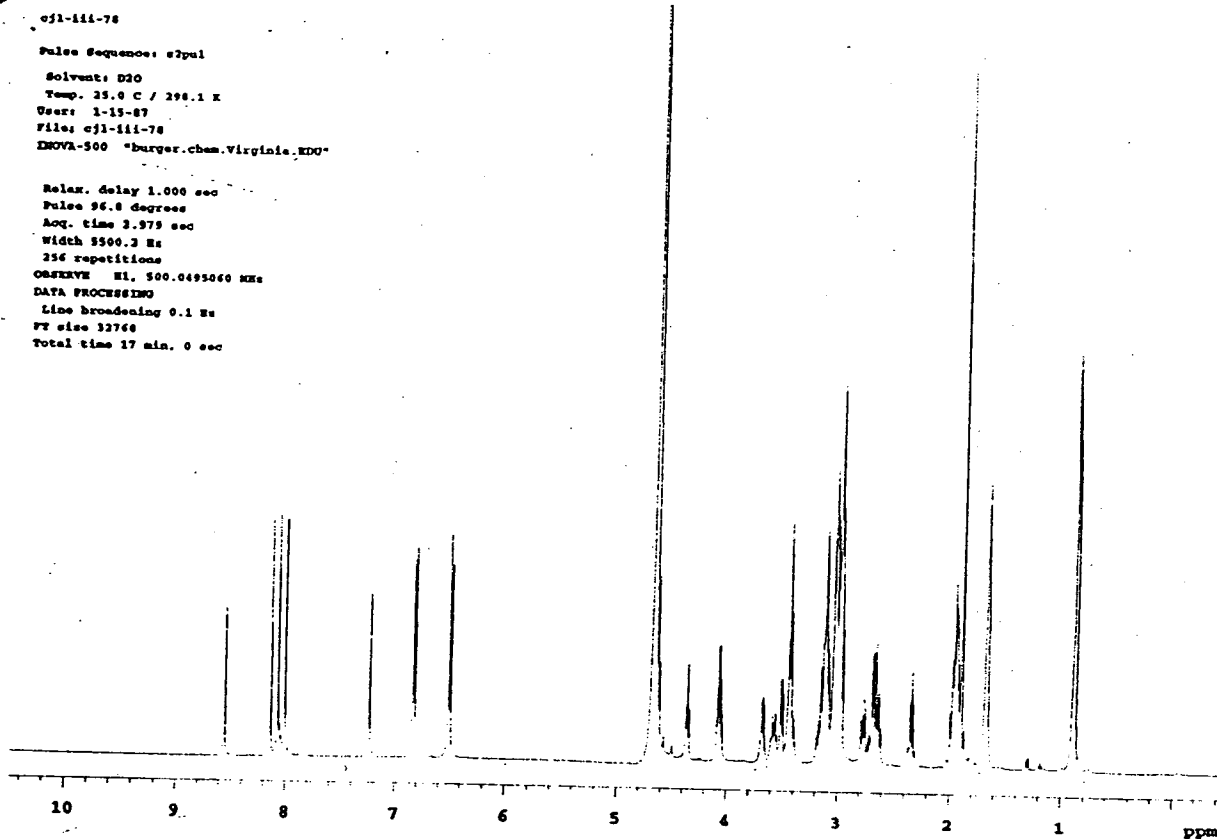
CJL-49
CJL-iii-78



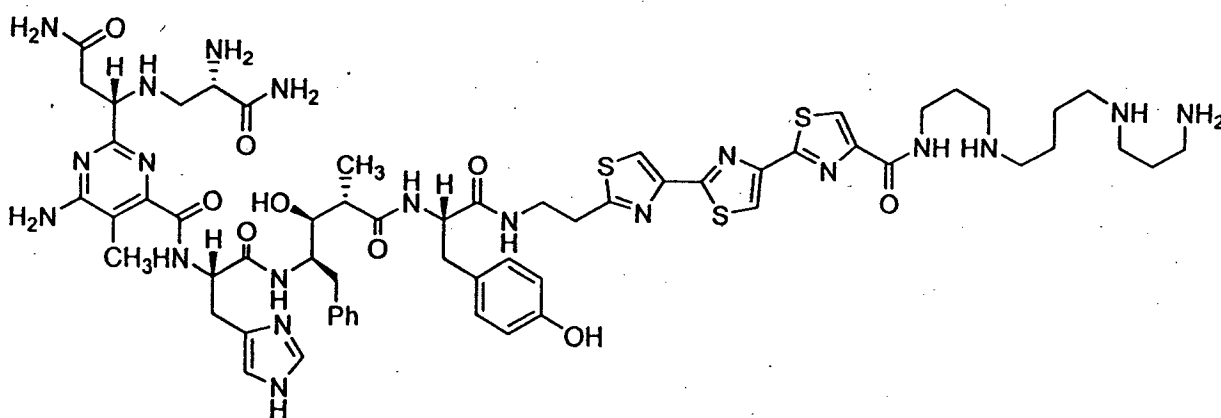
$C_{55}H_{78}N_{20}O_9S_3$
Exact Mass: 1258.54
Mol. Wt.: 1259.54
C, 52.45; H, 6.24; N, 22.24; O, 11.43; S, 7.64

yield 2.49 mg (51%)

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



CJL-51
CJL-iii-82



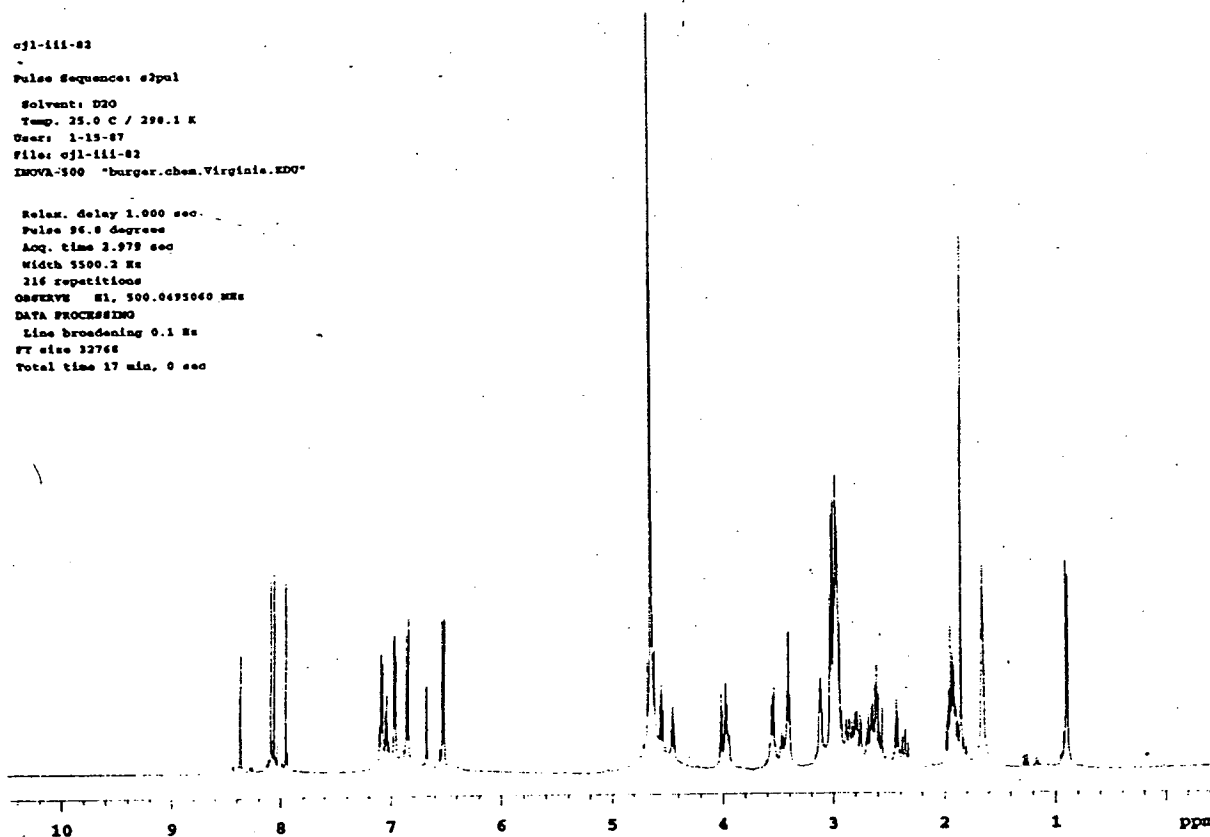
$C_{61}H_{82}N_{20}O_9S_3$
Exact Mass: 1334.57
Mol. Wt.: 1335.63
C, 54.85; H, 6.19; N, 20.97; O, 10.78; S, 7.20

Yield 2.24 mg (43%)

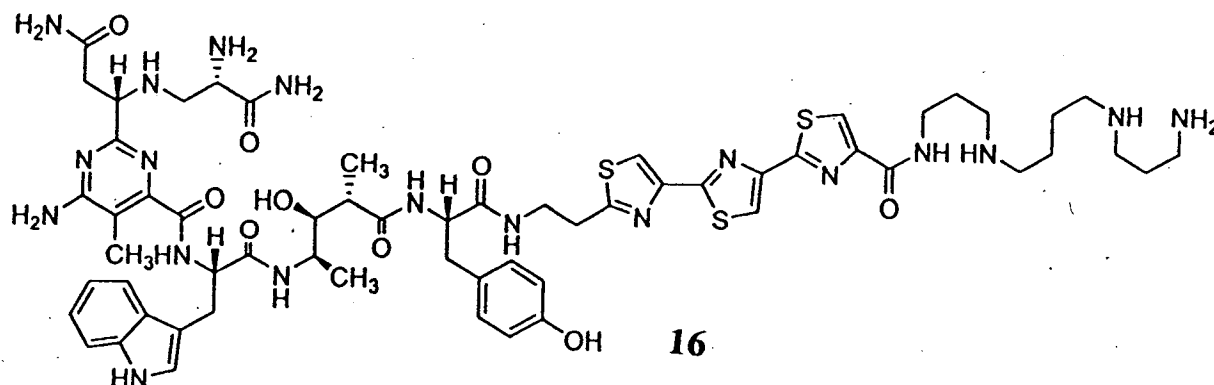
Mass spectrum (electrospray) 1335.6 (M + H)⁺

cjl-iii-82
Pulse Sequence: e2pul
Solvent: D2O
Temp. 25.0 C / 298.1 K
User: 1-13-87
File: cjl-iii-82
INOVA-300 "burger.chen.Virginia.KDO"

Relax. delay 1.000 sec.
Pulse 24.8 degree
Acq. time 2.979 sec
Width 5500.2 Hz
116 repetitions
OBSERVE M1, 500.0495040 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 17 min, 0 sec



CJL-52
Cjl-iii-84



$C_{60}H_{81}N_{19}O_9S_3$
Exact Mass: 1307.56
Mol. Wt.: 1308.61
C, 55.07; H, 6.24; N, 20.34; O, 11.00; S, 7.35

Yield 2.22 mg (44%)

Mass spectrum (electrospray) 1308.7 (M + H)⁺

