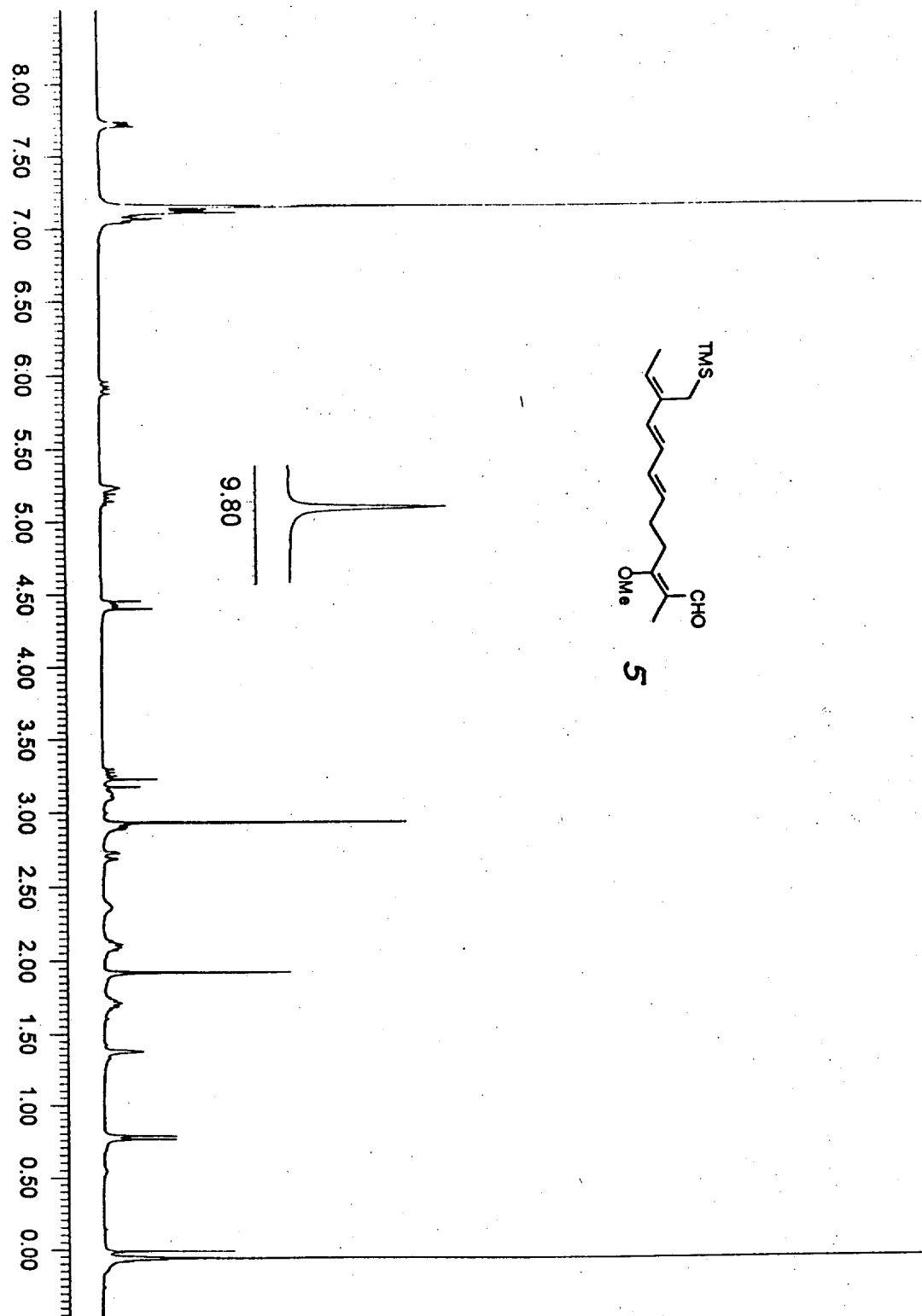
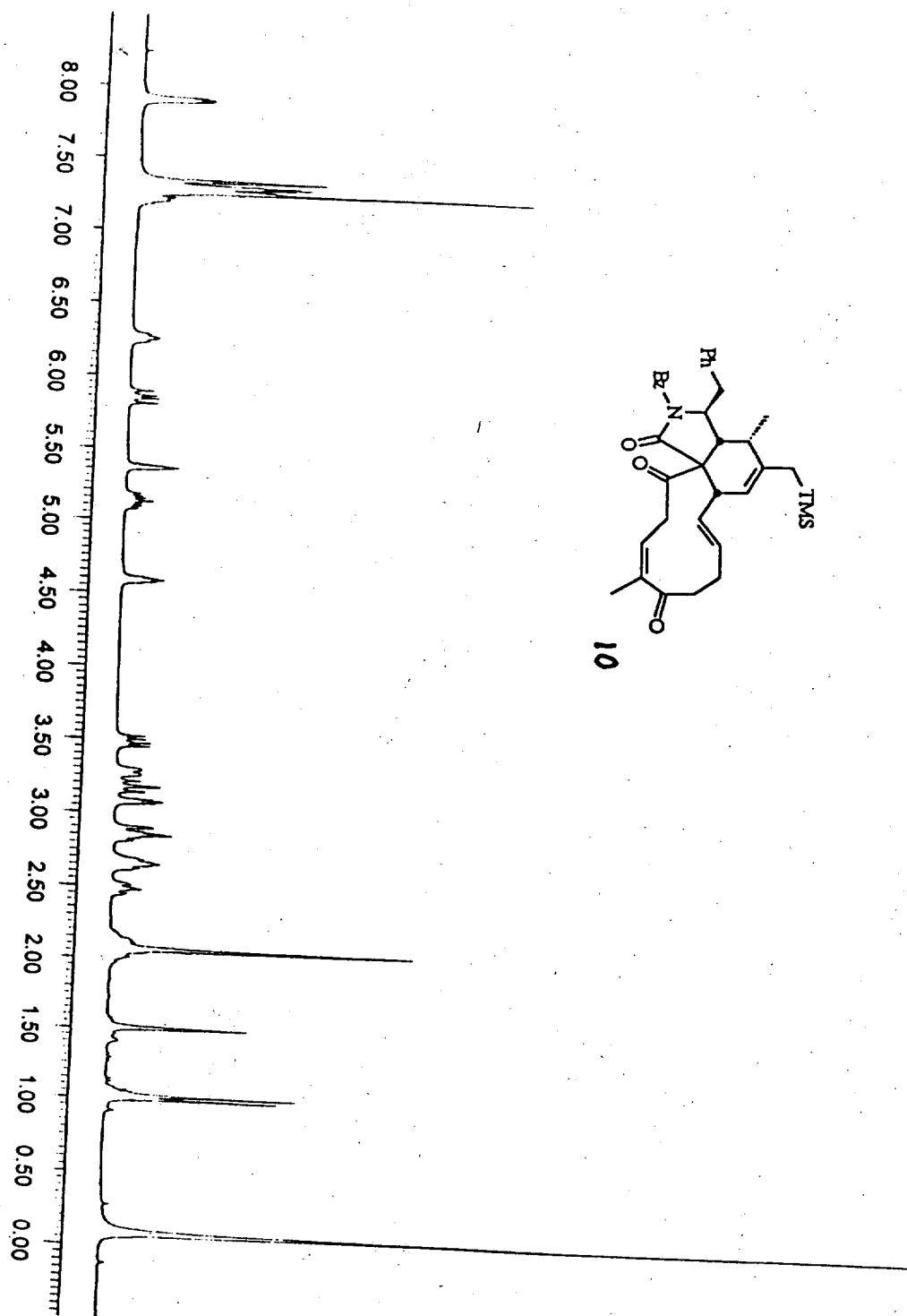
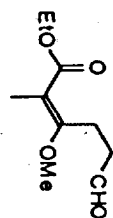
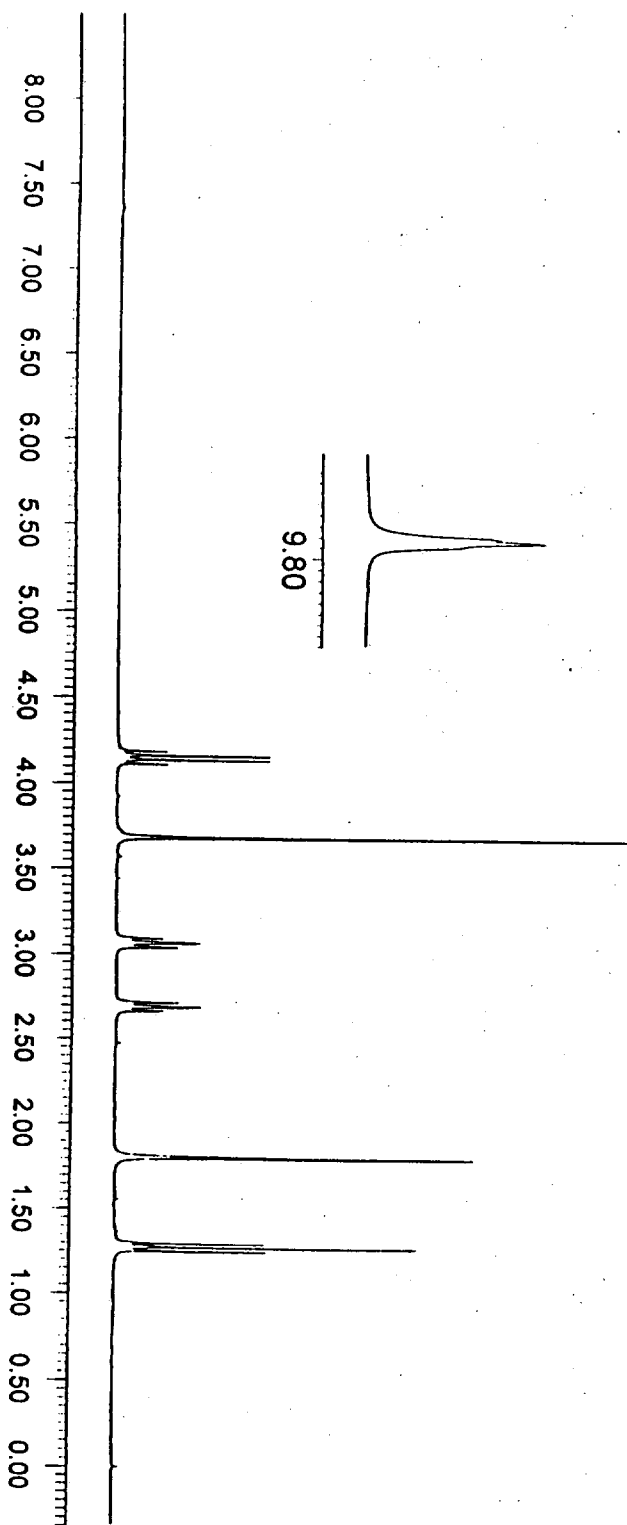


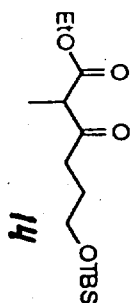
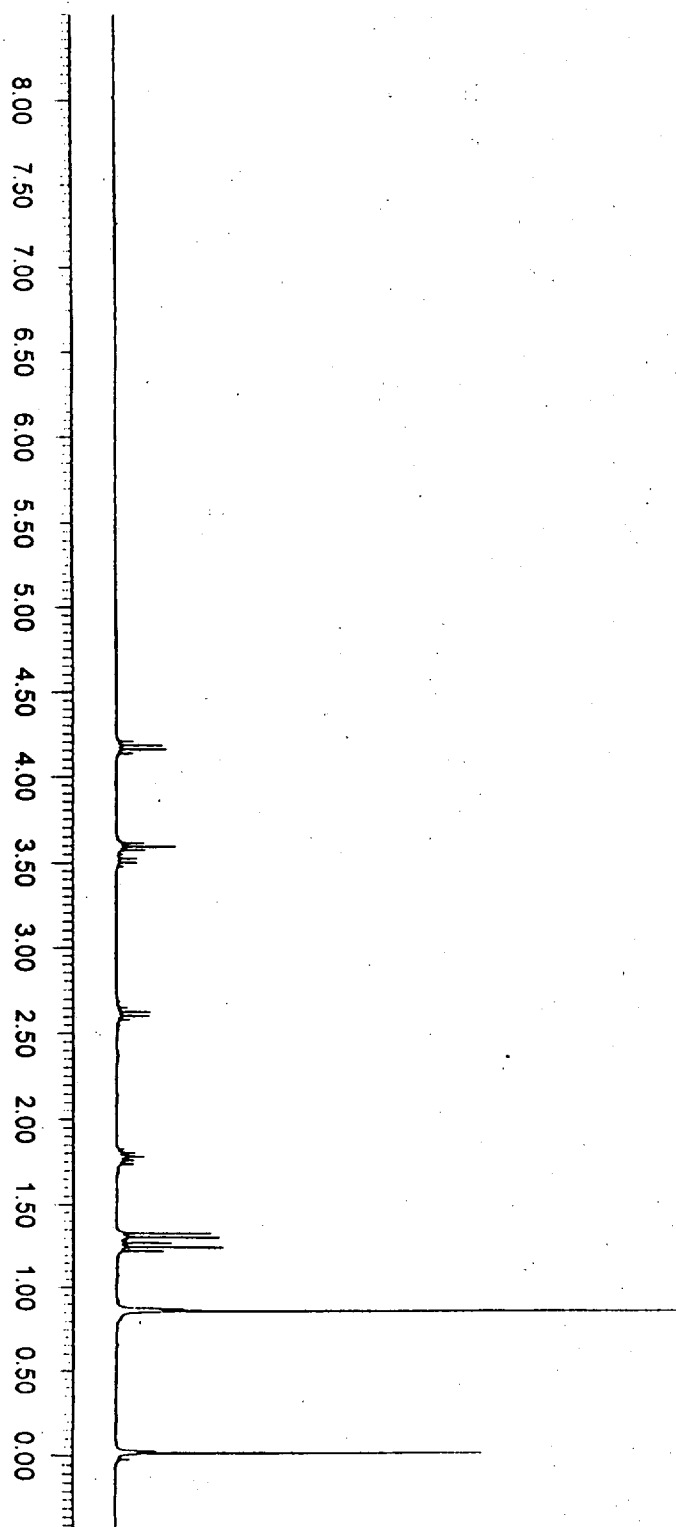


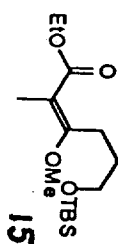
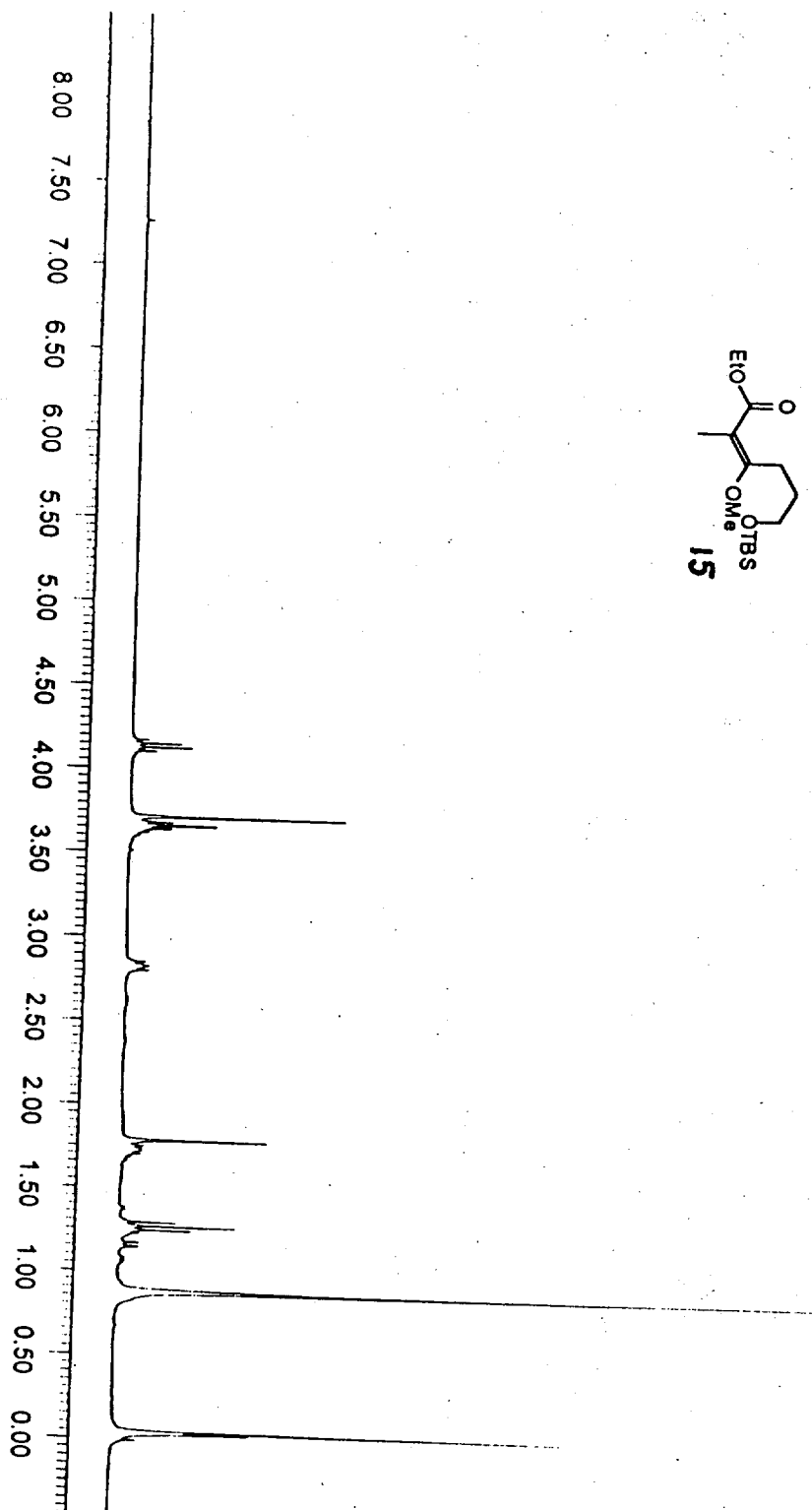


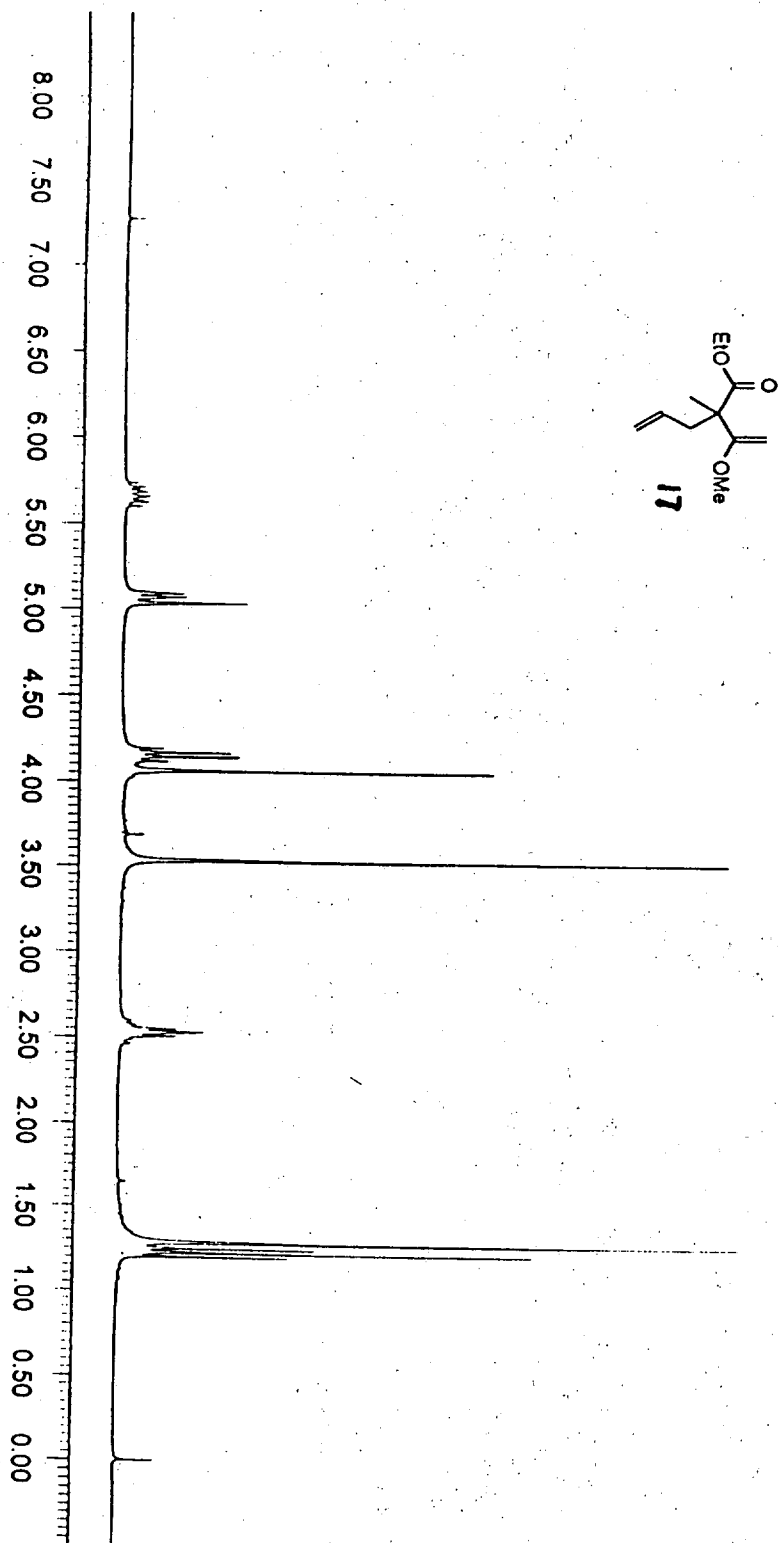


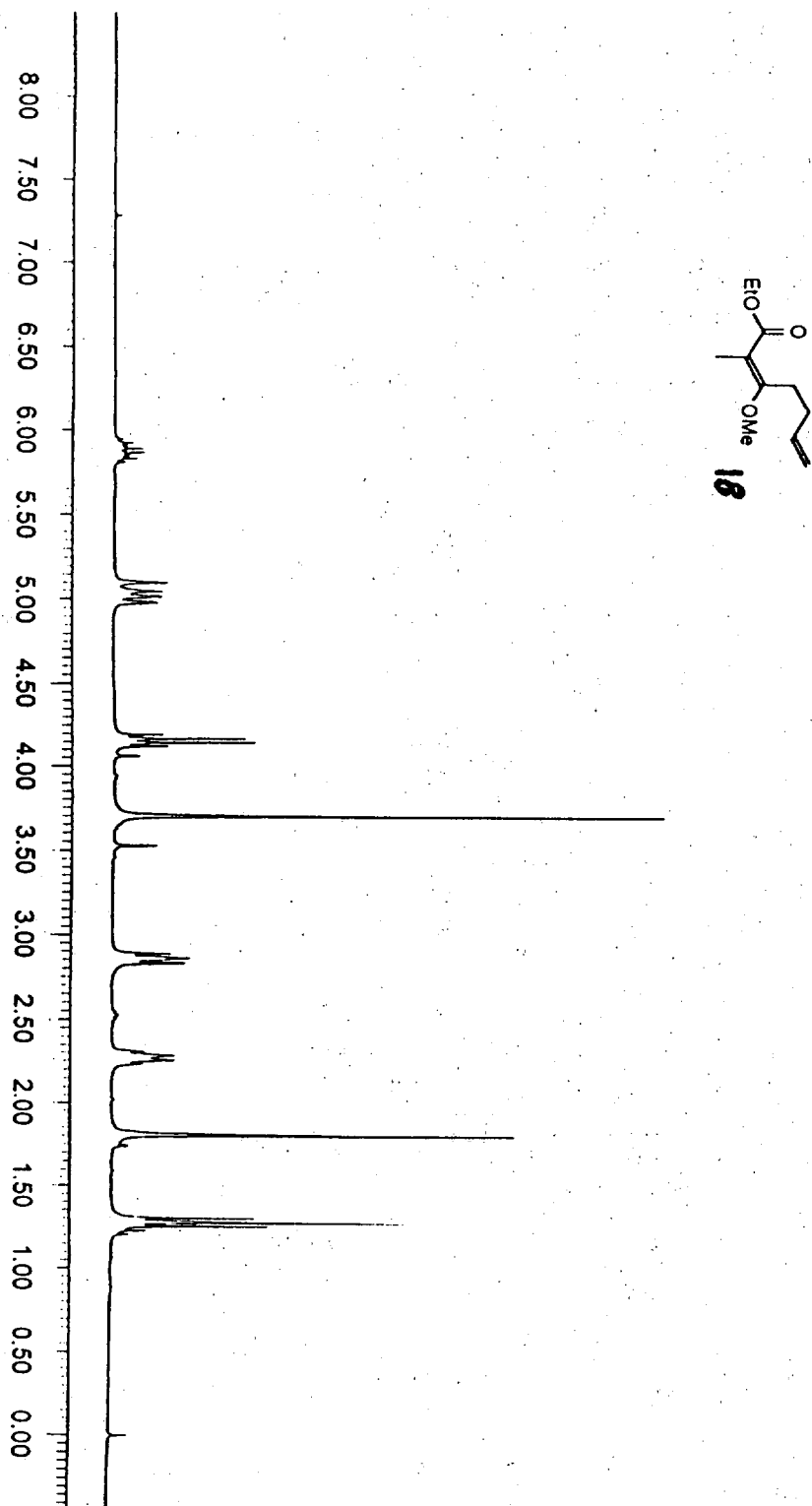
12

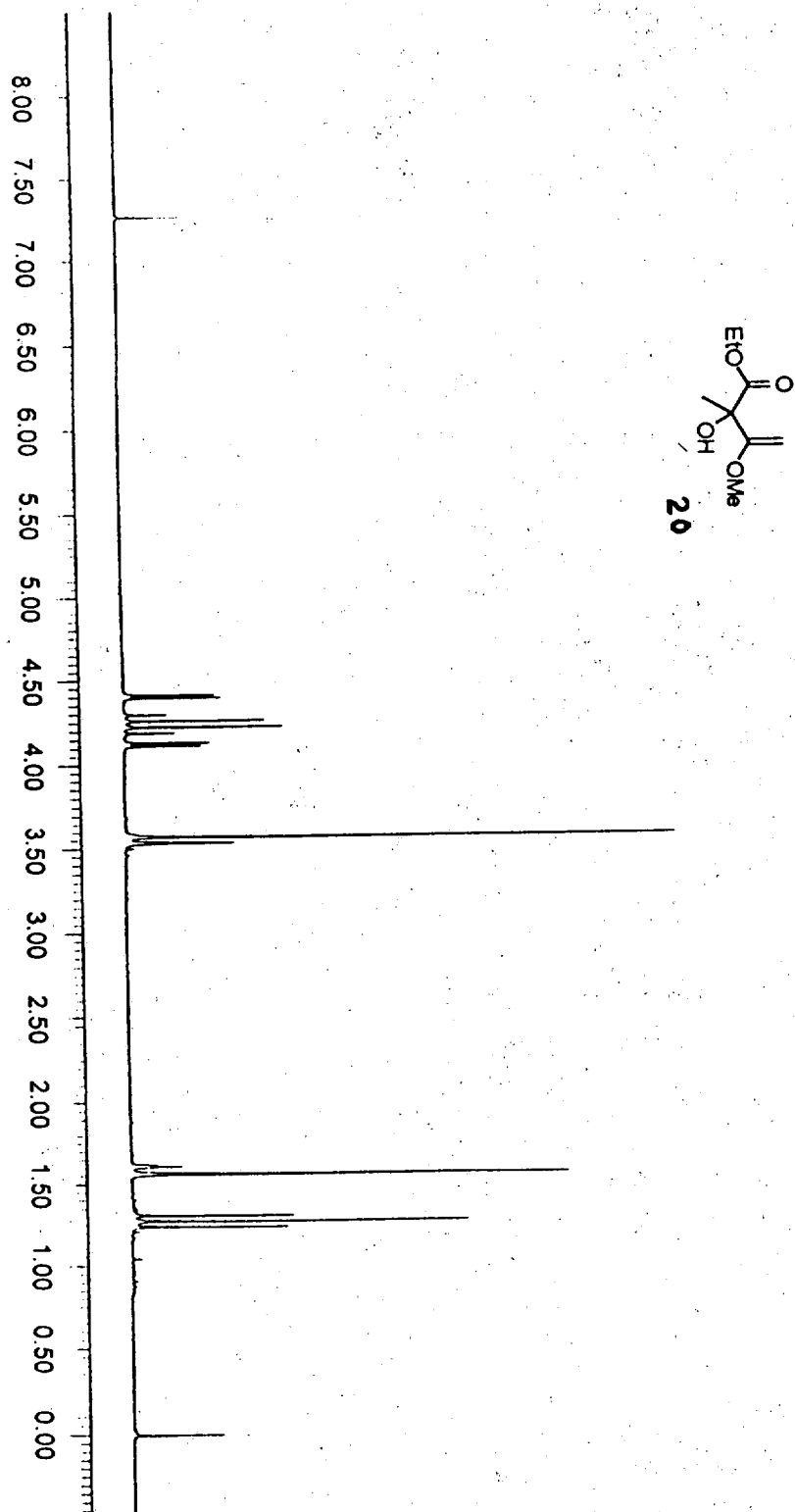


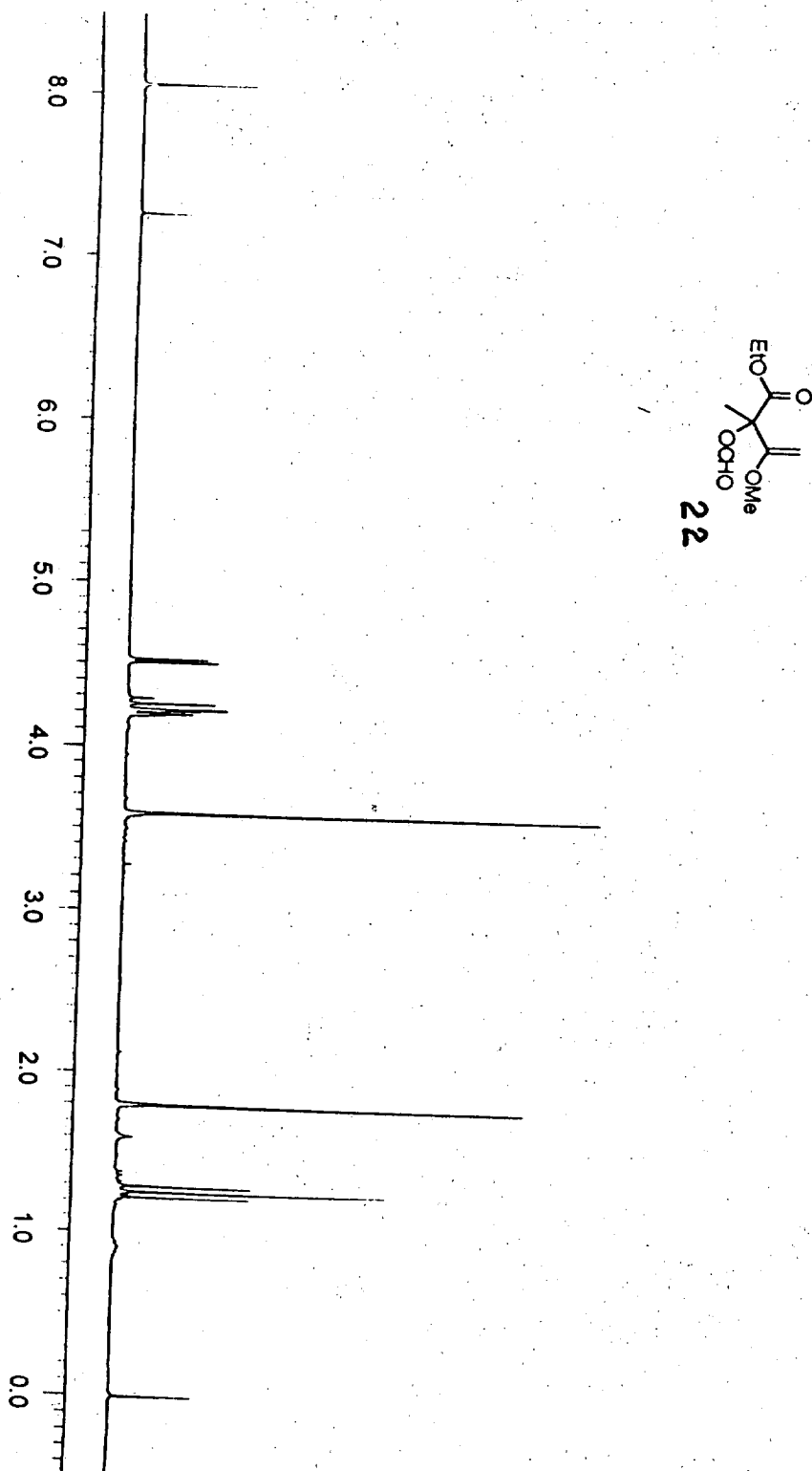


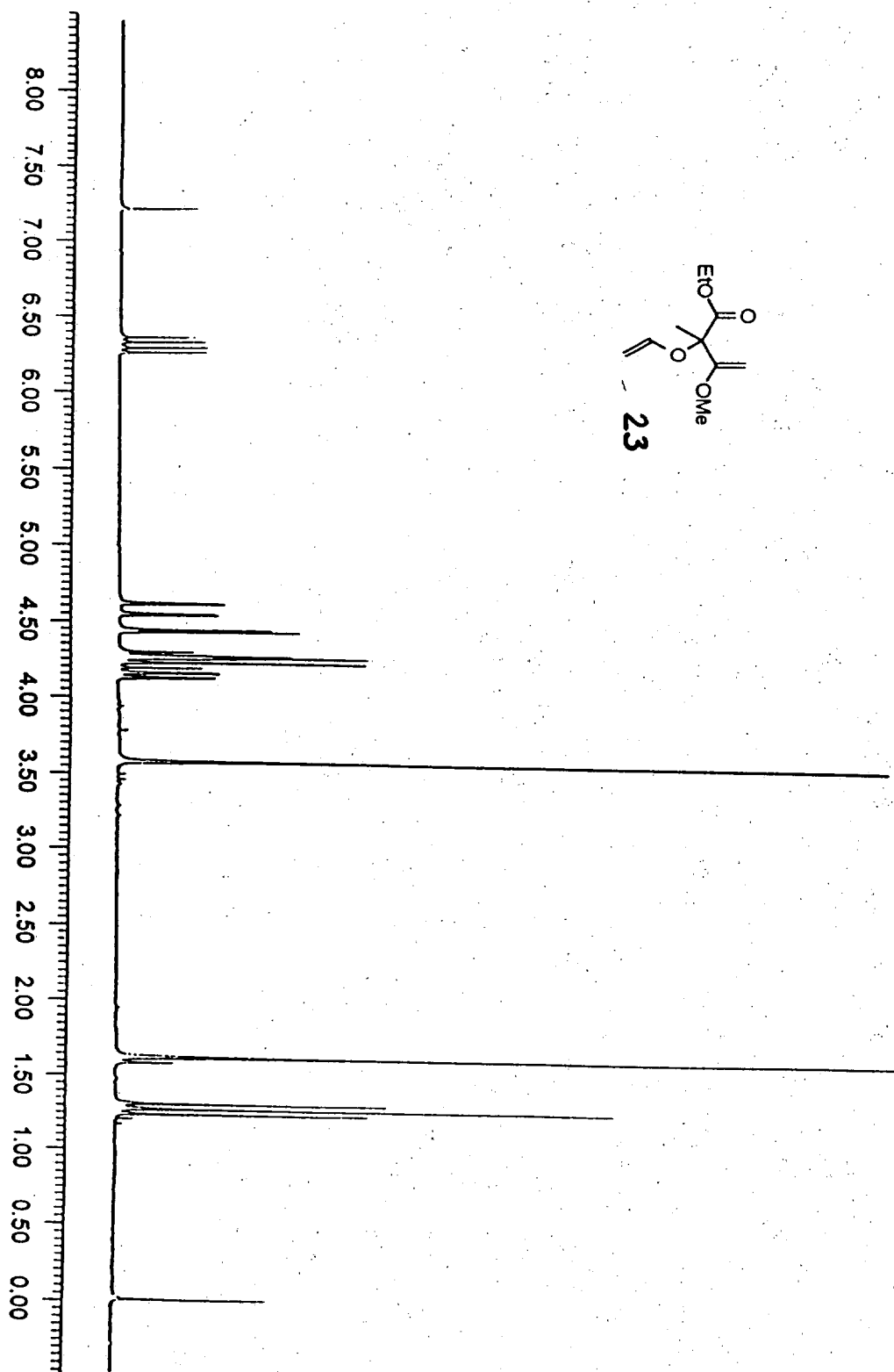


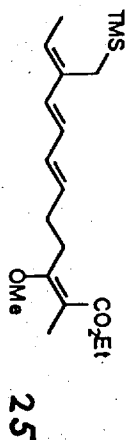


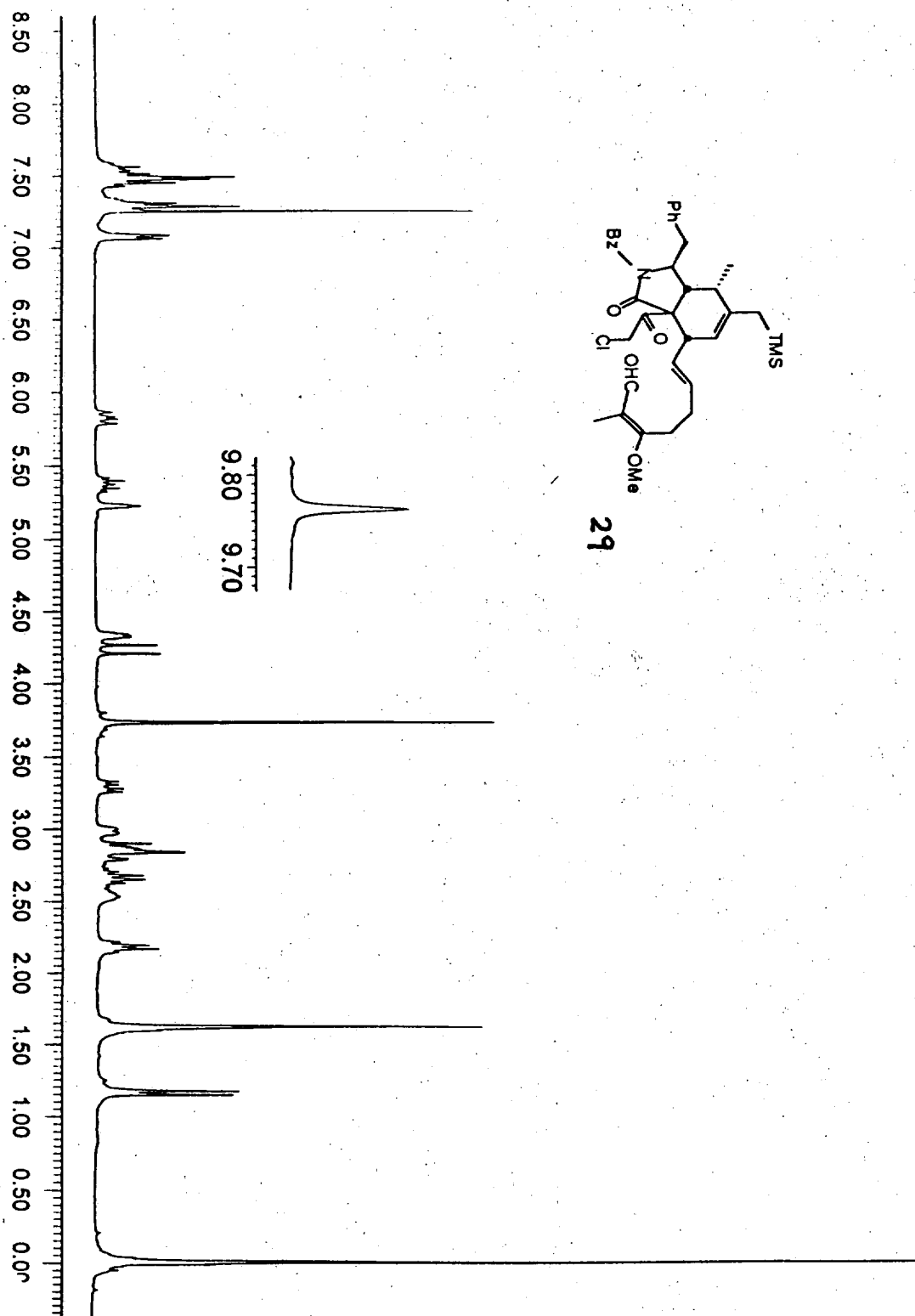


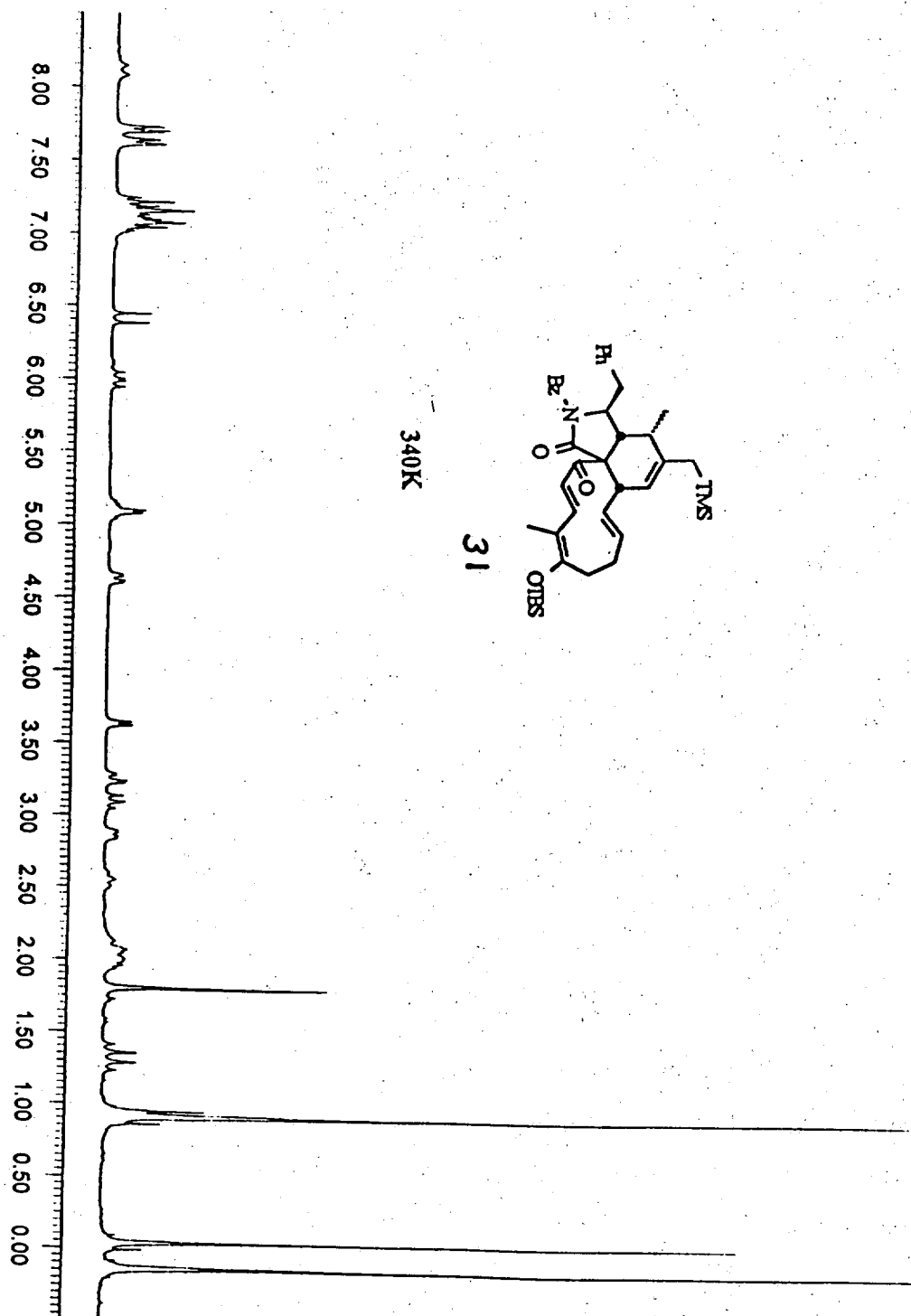


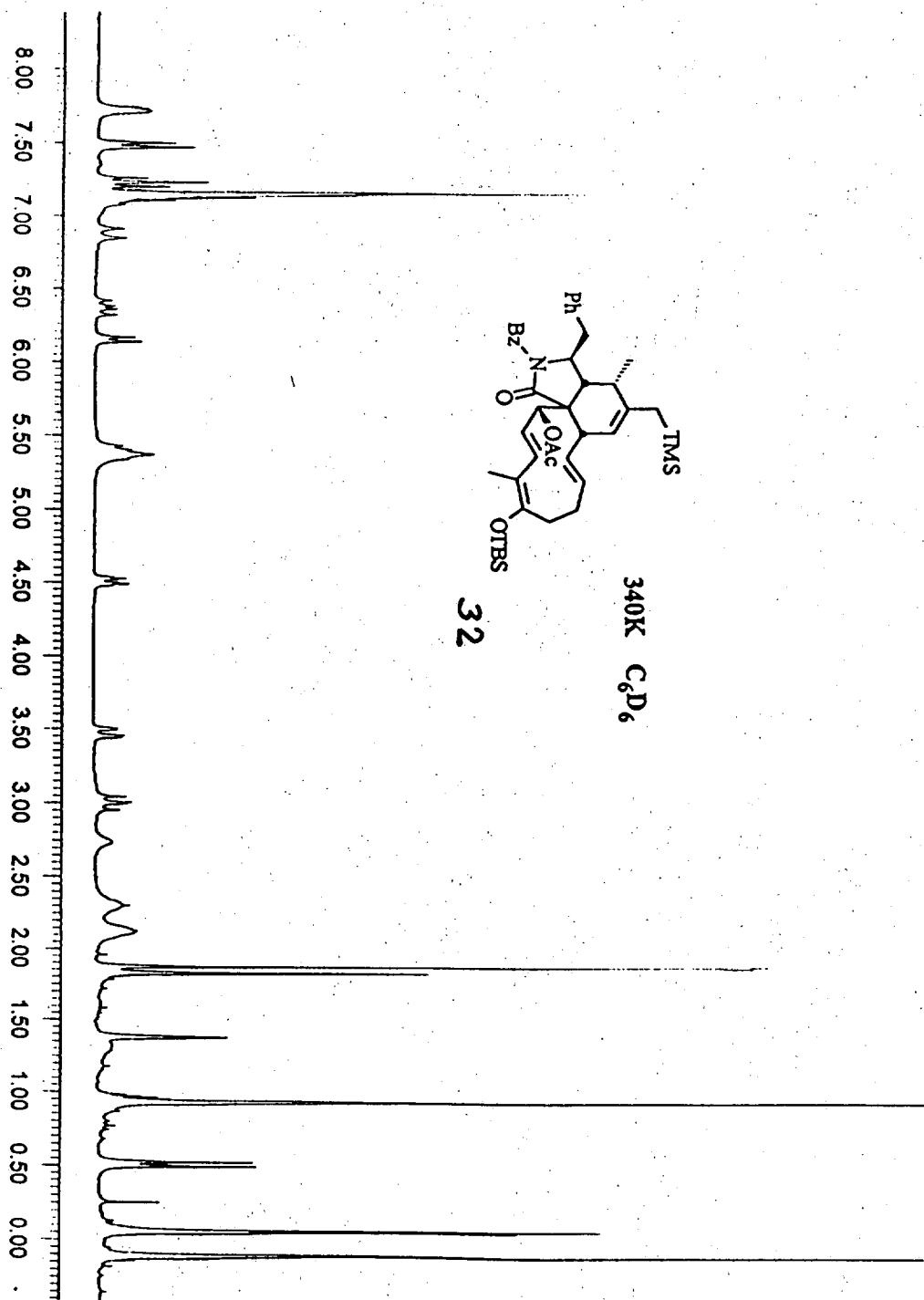


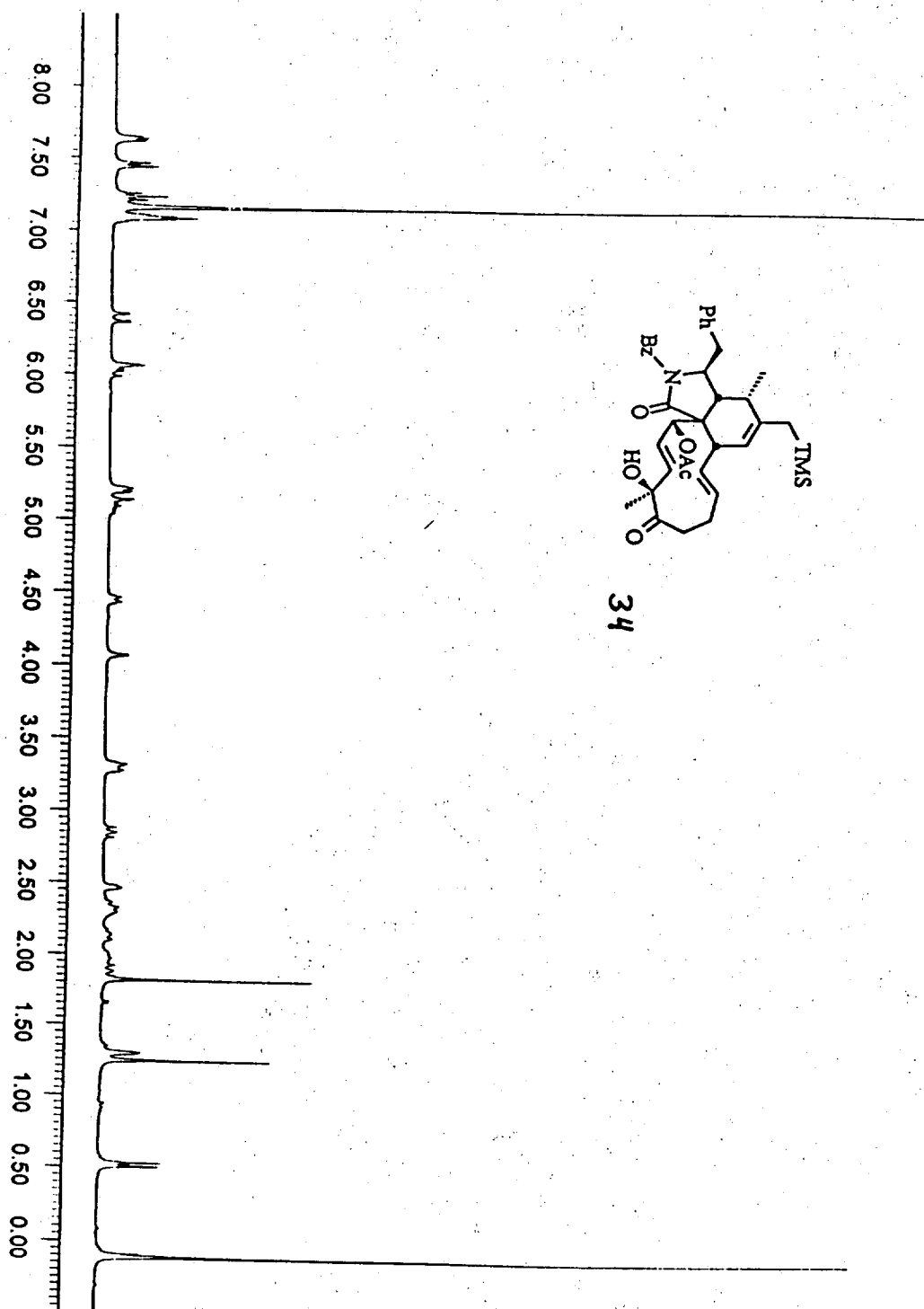


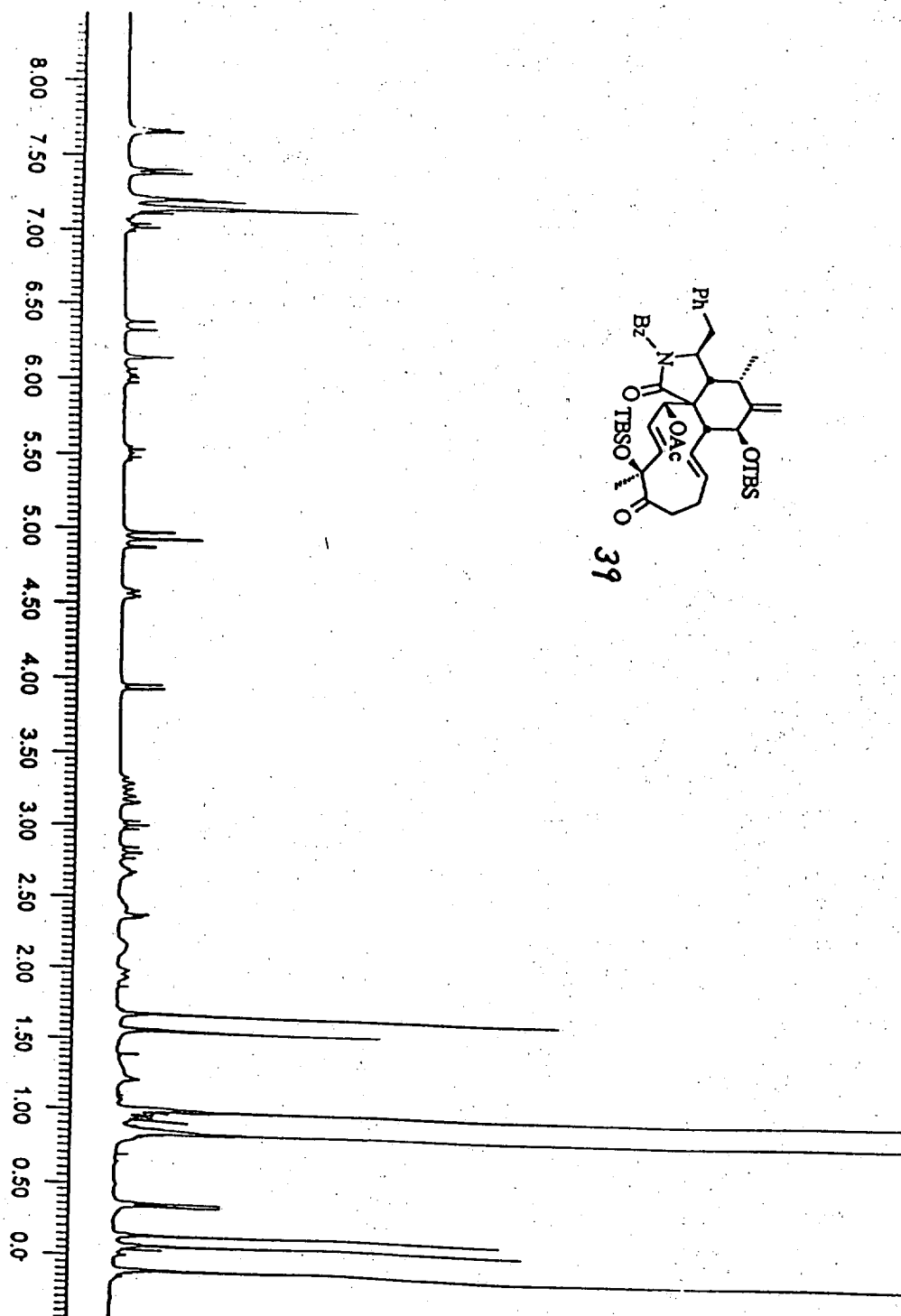


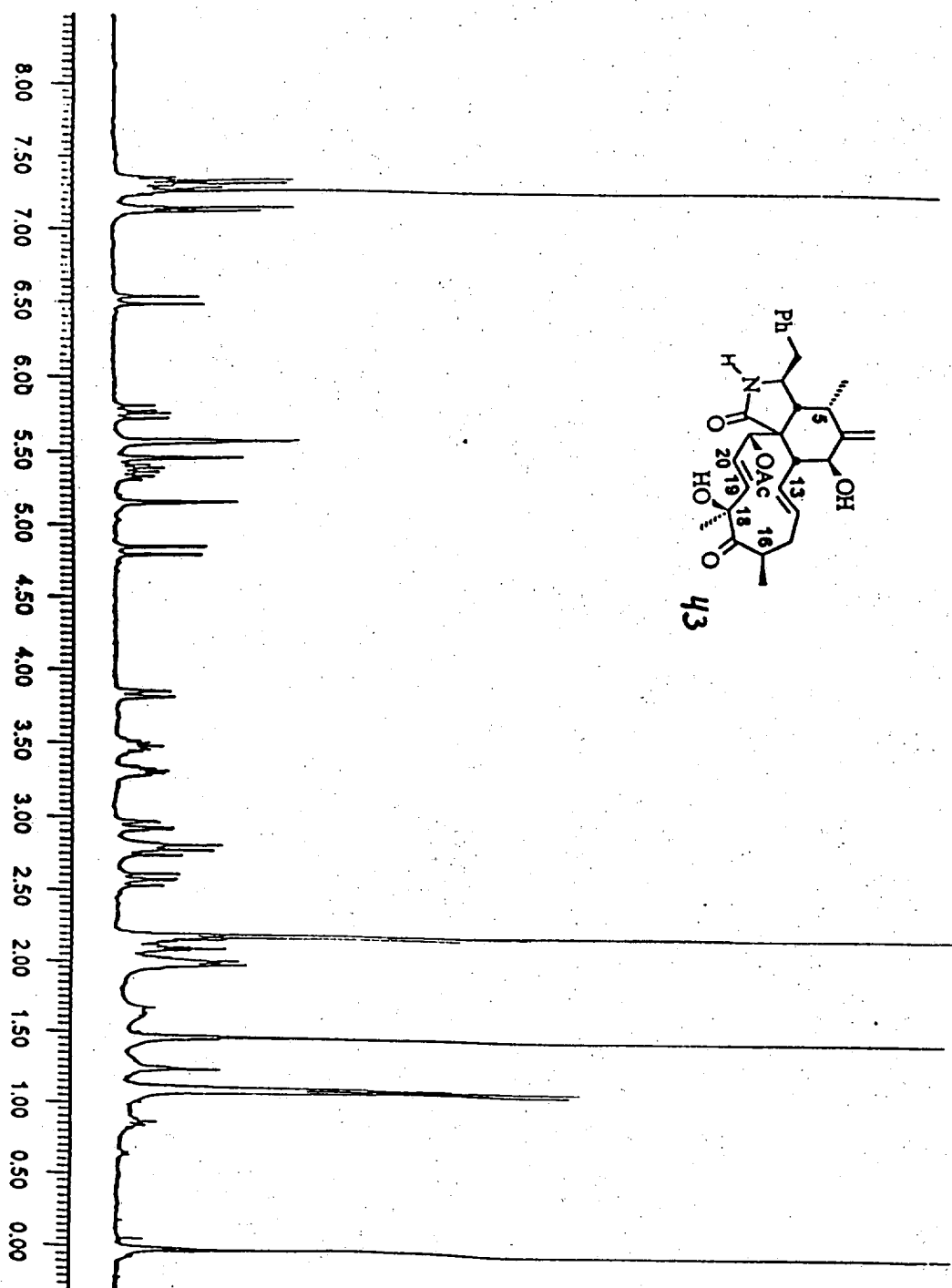


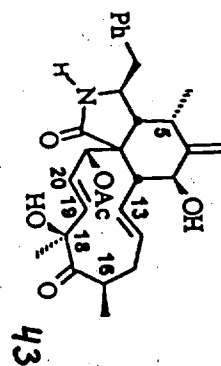
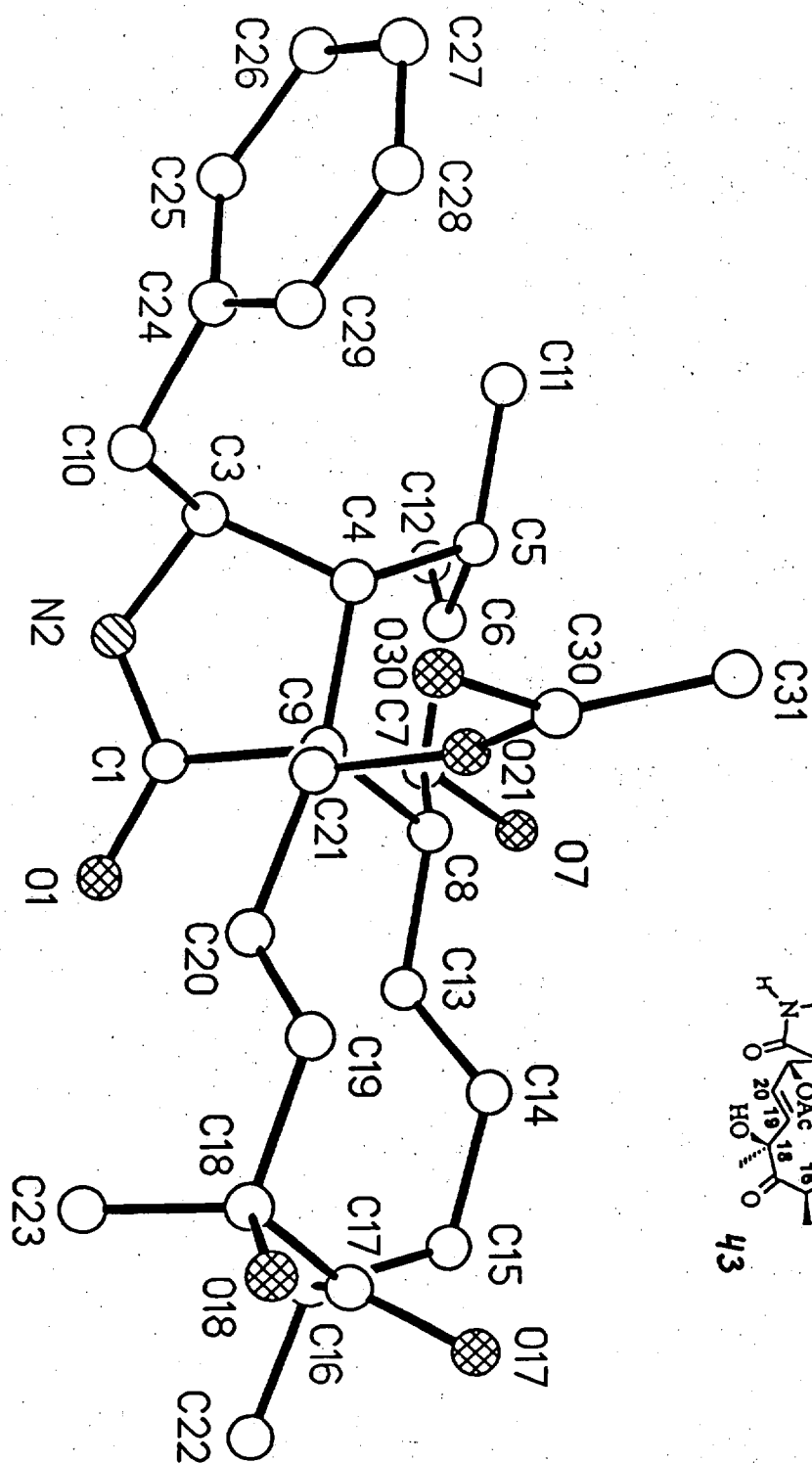


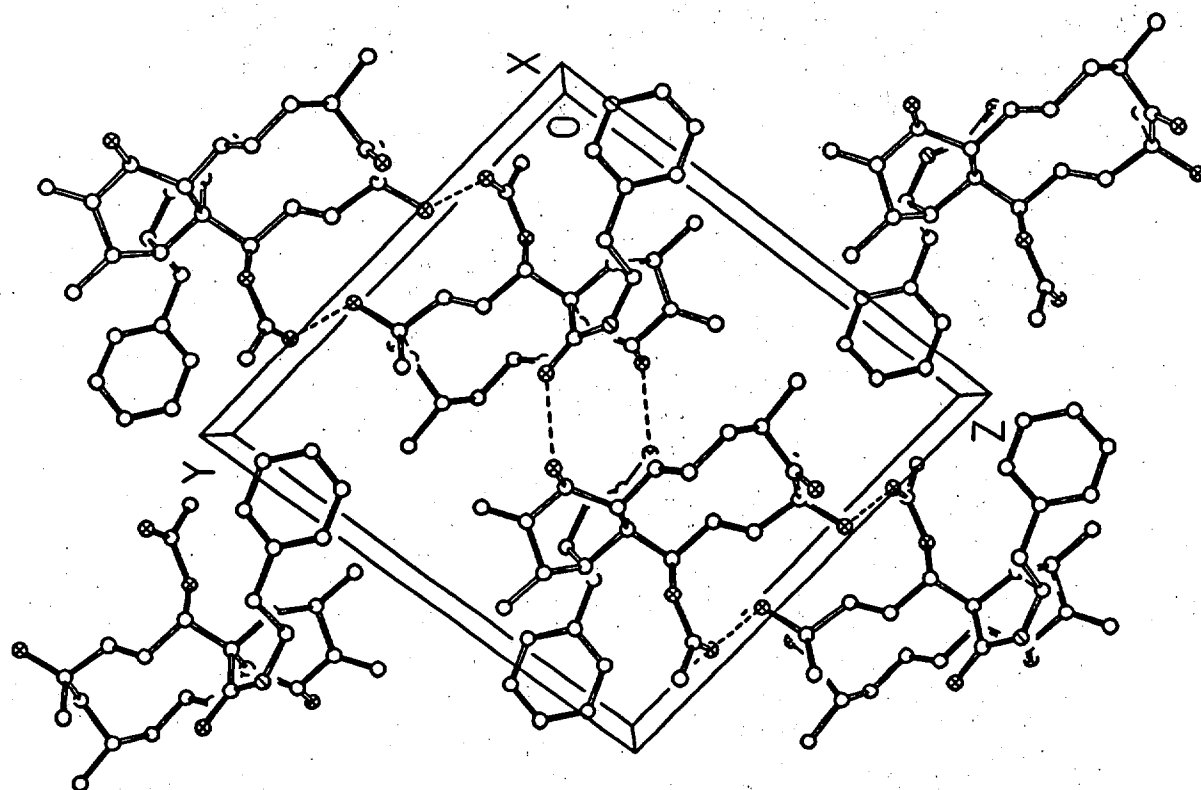












Data Collection

Diffractometer	Siemens P4
θ range for data collection	2.00 to 57.00°
Index ranges	$0 \leq h \leq 7, -14 \leq k \leq 14, -15 \leq l \leq 15$ + Friedel
Scan type	ω scans
Scan Speeds	2.0 to 40.0 °/min
Scan Range	1.10 ° in ω
Background Measurement	Stationary crystal and stationary counter at beginning and end of scan, each for 20 % of total scan time.
Standard peaks	3 peaks remeasured in each 100 data showed a maximum variation of 27.20 %.
Reflections collected	7397
Independent reflections	3701 ($R_{int} = 0.0989$)
Absorption correction	None

Solution and Refinement

Solution	direct methods
Refinement method	Full-matrix least-squares on F^2
Hydrogen atoms	riding
Weighting scheme	
$w = 1/[\sigma^2(F_o^2) + (0.1000 P)^2 + 4.5443 P]$ $\text{where } P = [F_o^2 + 2F_c^2]/3$	
Data / restraints / parameters	3695 / 1023(disorder) / 504
Goodness-of-fit on F^2	1.056
Final R indices [$I > 2\sigma(I)$]	R1 = 0.1060, wR2 = 0.2471
R indices (all data)	R1 = 0.1906, wR2 = 0.3106
Extinction coefficient	0.0033(8)
Largest diff. peak and hole	0.426 and -0.390 $e\text{\AA}^{-3}$
Largest and mean Δ / esd	-0.044 and 0.006

Table 1. Crystal data and structure refinement for 1.

Identification code	sd12
Empirical formula	$C_{30}H_{37}NO_6$
Crystal color, habit	colorless prism
Crystal size	0.40 x 0.20 x 0.10 mm
Crystal system	Triclinic
Space group	$P\bar{1}$
Unit cell dimensions	$a = 7.2985(8) \text{ \AA}$ $\alpha = 95.309(12)^\circ$ $b = 13.4746(13) \text{ \AA}$ $\beta = 100.944(9)^\circ$ $c = 14.426(2) \text{ \AA}$ $\gamma = 96.092(10)^\circ$
Volume	$1375.8(3) \text{ \AA}^3$
Peaks to determine cell	35
θ range of cell peaks	9.6 to 24.7°
Temperature	113(2) K
Wavelength	1.54178 $\text{\AA}$
Z	2
Formula weight	507.61
Density (calculated)	1.225 Mg/m^3
Absorption coefficient	0.686 mm^{-1}
F(000)	544

Table 2. Atomic coordinates [$\times 10^4$] and equivalent isotropic displacement parameters [$\text{\AA}^2 \times 10^3$] for 1. $U(\text{eq})$ is defined as one third of the trace of the orthogonalized U_{ij} tensor.

	x	y	z	U(eq)
C(1)	3668(11)	5950(7)	6379(7)	74(3)
O(1)	3351(7)	5010(4)	6267(5)	86(2)
N(2)	2484(9)	6574(5)	6045(6)	89(3)
C(3)	3102(10)	7628(6)	6378(7)	77(3)
C(4)	5161(9)	7662(5)	6865(5)	46(2)
C(5)	6546(10)	8245(5)	6363(5)	49(2)
C(6)	6576(14)	7629(7)	5438(6)	76(3)
C(7)	6973(10)	6571(5)	5503(5)	48(2)
O(7)	8569(6)	6402(3)	5097(3)	44(1)
C(8)	7217(9)	6270(5)	6503(5)	40(2)
C(9)	5505(9)	6533(5)	6958(4)	47(2)
C(10)	2025(18)	7850(9)	7234(10)	51(4)
C(10')	1574(17)	8213(9)	6756(14)	54(4)
C(11)	6209(12)	9339(6)	6299(6)	63(2)
C(12)	6179(27)	7949(11)	4619(9)	197(8)
C(13)	7568(11)	5192(5)	6500(5)	49(2)
C(14)	9021(11)	4843(5)	6986(5)	48(2)
C(15)	9183(13)	3742(5)	6983(5)	69(2)
C(16)	7562(22)	3228(9)	7382(10)	53(4)
C(17)	7864(21)	3563(11)	8442(9)	44(3)
O(17)	9501(21)	3598(22)	8914(13)	56(5)
C(18)	6340(18)	3916(10)	8931(10)	50(4)
O(18)	6729(30)	3810(13)	9945(11)	127(6)
C(19)	6375(32)	5015(11)	8758(14)	51(4)
C(20)	5336(25)	5352(10)	8073(12)	42(4)
C(21)	5426(32)	6469(11)	7997(8)	43(4)
C(22)	7505(25)	2085(10)	7270(15)	51(5)
C(23)	4522(18)	3366(8)	8351(10)	25(3)
C(16')	8359(25)	3207(9)	7720(8)	57(4)
C(17')	9005(21)	3589(33)	8769(13)	55(5)
O(17')	10739(19)	3731(10)	9106(8)	62(4)
C(18')	7515(18)	3953(8)	9277(7)	48(3)
O(18')	5753(17)	3296(6)	8879(6)	58(3)
C(19')	7404(23)	5037(8)	9068(9)	41(3)
C(20')	6208(26)	5294(11)	8386(11)	43(4)
C(21')	5973(27)	6297(11)	8000(7)	39(4)
C(22')	8533(32)	2085(10)	7623(12)	72(6)
C(23')	8170(25)	3962(10)	10351(7)	50(4)
C(24)	2411(14)	8943(5)	7662(7)	43(3)
C(25)	1960(17)	9720(8)	7125(7)	63(4)
C(26)	2525(21)	10713(7)	7516(9)	83(4)
C(27)	3542(20)	10928(5)	8444(9)	86(5)
C(28)	3993(16)	10150(7)	8981(7)	76(4)
C(29)	3427(14)	9158(6)	8590(7)	52(4)
C(24')	2017(17)	9339(5)	7003(8)	48(4)
C(25')	1394(16)	9993(7)	6355(6)	55(4)
C(26')	1772(17)	11025(6)	6612(7)	66(4)

C(27')	2774(18)	11403(5)	7516(8)	77(4)
C(28')	3398(18)	10750(7)	8164(7)	73(4)
C(29')	3019(17)	9717(7)	7907(7)	63(3)
O(21)	7065(24)	7025(22)	8459(20)	38(4)
C(30)	7792(27)	7548(14)	9376(14)	54(4)
O(30)	6279(20)	7490(7)	9782(6)	54(4)
C(31)	9623(29)	8258(18)	9621(26)	66(8)
O(21')	7734(22)	6991(18)	8527(17)	42(4)
C(30')	6910(25)	7724(14)	9180(16)	59(4)
O(30')	5411(21)	8031(9)	9157(9)	89(4)
C(31')	8770(22)	8334(16)	9642(19)	43(5)

Table 3. Bond lengths [Å] and angles [°] for 1.

C(1)-O(1)	1.253(10)	C(1)-N(2)	1.325(12)
C(1)-C(9)	1.530(9)	N(2)-C(3)	1.452(9)
C(3)-C(4)	1.527(9)	C(3)-C(10')	1.581(11)
C(3)-C(10)	1.607(12)	C(4)-C(5)	1.542(10)
C(4)-C(9)	1.583(10)	C(5)-C(6)	1.509(10)
C(5)-C(11)	1.529(10)	C(6)-C(12)	1.287(13)
C(6)-C(7)	1.493(11)	C(7)-O(7)	1.429(7)
C(7)-C(8)	1.519(10)	C(8)-C(13)	1.501(10)
C(8)-C(9)	1.574(9)	C(9)-C(21)	1.520(9)
C(9)-C(21')	1.546(9)	C(10)-C(24)	1.519(11)
C(10')-C(24')	1.512(11)	C(13)-C(14)	1.312(10)
C(14)-C(15)	1.501(10)	C(15)-C(16')	1.519(9)
C(15)-C(16)	1.540(9)	C(16)-C(17)	1.521(9)
C(16)-C(22)	1.529(9)	C(17)-O(17)	1.251(9)
C(17)-C(18)	1.520(9)	C(18)-O(18)	1.459(9)
C(18)-C(23)	1.505(9)	C(18)-C(19)	1.523(9)
C(19)-C(20)	1.277(9)	C(20)-C(21)	1.514(7)
C(21)-O(21)	1.36(3)	C(16')-C(17')	1.521(10)
C(16')-C(22')	1.526(9)	C(17')-O(17')	1.254(9)
C(17')-C(18')	1.519(9)	C(18')-O(18')	1.467(9)
C(18')-C(19')	1.527(9)	C(18')-C(23')	1.532(9)
C(19')-C(20')	1.286(9)	C(20')-C(21')	1.523(9)
C(21')-O(21')	1.53(2)	C(24)-C(29)	1.39
C(24)-C(25)	1.39	C(25)-C(26)	1.39
C(26)-C(27)	1.39	C(27)-C(28)	1.39
C(28)-C(29)	1.39	C(24')-C(25')	1.39
C(24')-C(27')	1.39	C(25')-C(26')	1.39
C(26')-C(27')	1.39	C(27')-C(28')	1.39
C(28')-C(29')	1.39	O(21)-C(30)	1.42(4)
C(30)-O(30)	1.34(2)	C(30)-C(31)	1.522(10)
O(21')-C(30')	1.55(3)	C(30')-O(30')	1.21(2)
C(30')-C(31')	1.511(10)		
O(1)-C(1)-N(2)	125.9(7)	O(1)-C(1)-C(9)	123.3(9)
N(2)-C(1)-C(9)	110.8(7)	C(1)-N(2)-C(3)	114.9(6)
N(2)-C(3)-C(4)	104.6(6)	N(2)-C(3)-C(10')	114.6(7)
C(4)-C(3)-C(10')	126.5(8)	N(2)-C(3)-C(10)	103.8(7)
C(4)-C(3)-C(10)	104.5(8)	C(3)-C(4)-C(5)	113.5(7)
C(3)-C(4)-C(9)	106.1(5)	C(5)-C(4)-C(9)	114.1(5)
C(6)-C(5)-C(11)	116.2(7)	C(6)-C(5)-C(4)	108.1(7)
C(11)-C(5)-C(4)	113.1(6)	C(12)-C(6)-C(7)	119.8(8)
C(12)-C(6)-C(5)	123.8(9)	C(7)-C(6)-C(5)	116.3(7)
O(7)-C(7)-C(6)	110.0(7)	O(7)-C(7)-C(8)	111.1(6)
C(6)-C(7)-C(8)	113.8(6)	C(13)-C(8)-C(7)	110.3(5)
C(13)-C(8)-C(9)	114.6(6)	C(7)-C(8)-C(9)	110.0(6)
C(21)-C(9)-C(1)	106.2(10)	C(1)-C(9)-C(21')	113.9(9)
C(21)-C(9)-C(8)	123.9(10)	C(1)-C(9)-C(8)	110.4(5)
C(21')-C(9)-C(8)	106.1(8)	C(21)-C(9)-C(4)	100.9(7)
C(1)-C(9)-C(4)	102.3(6)	C(21')-C(9)-C(4)	113.4(7)
C(8)-C(9)-C(4)	110.9(5)	C(24)-C(10)-C(3)	112.5(9)
C(24')-C(10')-C(3)	117.9(10)	C(14)-C(13)-C(8)	127.1(6)
C(13)-C(14)-C(15)	123.0(7)	C(14)-C(15)-C(16')	116.8(7)
C(14)-C(15)-C(16)	109.5(8)	C(17)-C(16)-C(22)	106.8(12)
C(17)-C(16)-C(15)	109.3(10)	C(22)-C(16)-C(15)	111.6(12)

O(17)-C(17)-C(18)	119.3(13)	O(17)-C(17)-C(16)	116.7(14)
C(18)-C(17)-C(16)	123.8(12)	O(18)-C(18)-C(23)	116.8(13)
O(18)-C(18)-C(17)	112.1(12)	C(23)-C(18)-C(17)	105.2(11)
O(18)-C(18)-C(19)	111.4(13)	C(23)-C(18)-C(19)	107.1(12)
C(17)-C(18)-C(19)	103.3(13)	C(20)-C(19)-C(18)	126(2)
C(19)-C(20)-C(21)	121.1(14)	O(21)-C(21)-C(20)	115(2)
O(21)-C(21)-C(9)	103(2)	C(20)-C(21)-C(9)	103.0(11)
C(15)-C(16')-C(17')	120(2)	C(15)-C(16')-C(22')	112.2(12)
C(17')-C(16')-C(22')	107(2)	O(17')-C(17')-C(18')	125(2)
O(17')-C(17')-C(16')	118.0(14)	C(18')-C(17')-C(16')	116.4(11)
O(18')-C(18')-C(17')	107.2(13)	O(18')-C(18')-C(19')	112.4(10)
C(17')-C(18')-C(19')	106(2)	O(18')-C(18')-C(23')	113.9(10)
C(17')-C(18')-C(23')	109.6(12)	C(19')-C(18')-C(23')	107.9(9)
C(20')-C(19')-C(18')	123.7(12)	C(19')-C(20')-C(21')	132.2(12)
C(20')-C(21')-O(21')	104.0(13)	C(20')-C(21')-C(9)	129.5(11)
O(21')-C(21')-C(9)	109.0(13)	C(29)-C(24)-C(25)	120.0
C(29)-C(24)-C(10)	117.7(9)	C(25)-C(24)-C(10)	121.9(9)
C(26)-C(25)-C(24)	120.0	C(25)-C(26)-C(27)	120.0
C(28)-C(27)-C(26)	120.0	C(27)-C(28)-C(29)	120.0
C(24)-C(29)-C(28)	120.0	C(25')-C(24')-C(29')	120.0
C(25')-C(24')-C(10')	121.3(10)	C(29')-C(24')-C(10')	118.7(10)
C(24')-C(25')-C(26')	120.0	C(27')-C(26')-C(25')	120.0
C(26')-C(27')-C(28')	120.0	C(29')-C(28')-C(27')	120.0
C(28')-C(29')-C(24')	120.0	C(21)-O(21)-C(30)	137(2)
O(30)-C(30)-O(21)	103(2)	O(30)-C(30)-C(31)	131(2)
O(21)-C(30)-C(31)	123(2)	C(21')-O(21')-C(30')	102.1(13)
O(30')-C(30')-C(31')	124(2)	O(30')-C(30')-O(21')	136(2)
C(31')-C(30')-O(21')	96(2)		

Symmetry transformations used to generate equivalent atoms:

Table 4. Anisotropic displacement parameters [$\text{\AA}^2 \times 10^3$] for 1.

The anisotropic displacement factor exponent takes the form:

$$-2\pi^2 [(ha^*)^2 U_{11} + \dots + 2hka^* b^* U_{12}]$$

	U11	U22	U33	U23	U13	U12
C(1)	33(4)	68(5)	106(6)	-69(5)	32(4)	-23(4)
O(1)	52(4)	64(4)	126(5)	-71(4)	39(4)	-30(3)
N(2)	27(4)	76(5)	139(6)	-86(5)	10(4)	-12(3)
C(3)	22(4)	67(5)	121(6)	-68(4)	4(4)	-2(3)
C(4)	24(4)	46(4)	59(4)	-34(3)	11(3)	-6(3)
C(5)	44(4)	55(4)	49(4)	-4(3)	11(4)	14(4)
C(6)	109(7)	90(6)	42(4)	2(4)	17(5)	66(5)
C(7)	32(4)	62(4)	46(4)	-20(3)	10(3)	15(3)
O(7)	28(3)	45(3)	55(3)	-16(2)	8(2)	3(2)
C(8)	31(4)	44(4)	37(4)	-17(3)	6(3)	-5(3)
C(9)	34(4)	41(4)	58(4)	-31(3)	15(3)	-16(3)
C(10)	13(6)	32(7)	99(9)	-31(7)	-1(7)	13(5)
C(10')	25(7)	44(7)	88(8)	-25(7)	5(7)	21(6)
C(11)	62(6)	61(5)	76(6)	8(4)	25(5)	33(4)
C(12)	397(22)	158(12)	79(8)	29(8)	63(12)	186(13)
C(13)	51(5)	38(4)	50(4)	-26(3)	11(4)	-6(3)
C(14)	61(5)	38(4)	41(4)	-12(3)	10(4)	7(4)
C(15)	114(7)	51(5)	46(4)	-6(4)	22(5)	27(5)
C(16)	89(10)	24(7)	42(8)	-7(6)	8(8)	9(7)
C(17)	77(8)	21(6)	37(7)	5(6)	19(7)	14(7)
O(17)	67(10)	39(8)	65(12)	-6(10)	18(10)	18(12)
C(18)	78(8)	32(7)	44(7)	-4(7)	24(7)	7(7)
O(18)	168(15)	86(10)	128(13)	12(10)	36(12)	14(11)
C(19)	72(9)	23(7)	57(10)	-3(7)	21(8)	0(8)
C(20)	52(9)	18(6)	57(9)	-15(6)	27(7)	-11(7)
C(21)	47(9)	22(7)	64(7)	-25(6)	39(6)	-3(6)
C(22)	40(10)	31(8)	75(12)	-5(8)	-2(9)	11(8)
C(23)	32(8)	10(6)	31(8)	-2(6)	7(6)	-5(5)
C(16')	105(9)	35(6)	28(7)	-2(6)	-2(7)	29(7)
C(17')	93(11)	31(8)	31(8)	3(7)	-15(9)	19(10)
O(17')	91(10)	52(7)	34(6)	-5(5)	-15(7)	32(8)
C(18')	89(8)	33(6)	19(6)	6(5)	-5(6)	18(6)
O(18')	129(10)	19(5)	16(5)	-7(4)	1(6)	-7(6)
C(19')	70(9)	20(5)	27(6)	-4(5)	-6(6)	7(6)
C(20')	61(9)	26(7)	34(8)	-9(6)	-1(7)	-4(8)
C(21')	49(8)	22(6)	47(6)	-24(5)	29(6)	-3(6)
C(22')	121(16)	34(8)	49(10)	-3(7)	-34(10)	49(10)
C(23')	100(12)	27(7)	14(6)	5(5)	-13(7)	4(8)
C(24)	34(6)	30(6)	70(7)	-10(5)	27(6)	2(5)
C(25)	76(8)	48(7)	72(8)	7(7)	24(7)	23(7)
C(26)	109(8)	48(7)	98(8)	7(7)	34(7)	15(7)
C(27)	110(9)	46(8)	105(9)	-23(7)	45(8)	4(7)
C(28)	86(8)	56(7)	89(8)	-19(7)	50(7)	-9(7)
C(29)	54(7)	42(7)	65(8)	-13(6)	37(7)	-3(6)
C(24')	49(7)	28(7)	66(7)	-12(6)	22(6)	1(6)
C(25')	57(8)	53(8)	52(8)	3(6)	-2(7)	18(7)
C(26')	77(9)	41(7)	75(9)	-9(7)	5(8)	18(7)

C(27')	89(9)	39(7)	88(9)	-33(7)	9(8)	-4(7)
C(28')	88(8)	30(6)	94(9)	-38(7)	33(8)	-6(6)
C(29')	63(7)	47(6)	82(7)	-13(6)	32(6)	8(6)
O(21)	42(9)	31(6)	40(6)	-9(5)	10(7)	1(7)
C(30)	67(10)	33(7)	43(8)	-14(6)	-26(8)	12(8)
O(30)	137(11)	21(5)	2(5)	0(4)	6(6)	15(6)
C(31)	106(19)	26(9)	55(11)	-17(8)	-6(16)	15(13)
O(21')	56(10)	23(5)	38(6)	-18(4)	0(8)	-1(8)
C(30')	51(9)	37(7)	75(9)	-31(7)	-7(8)	9(8)
O(30')	111(11)	69(8)	76(8)	-29(7)	15(8)	-3(7)
C(31')	51(11)	37(9)	36(8)	-9(7)	-1(10)	6(9)

Table 5. Hydrogen coordinates ($\times 10^4$) and isotropic displacement parameters ($\text{\AA}^2 \times 10^3$) for 1.

	x	y	z	U(eq)
H(2)	1406(9)	6365(5)	5652(6)	107
H(3)	2886(10)	8087(6)	5871(7)	92
H(3')	3200(10)	7926(6)	5776(7)	92
H(4)	5315(9)	8013(5)	7522(5)	55
H(5)	7824(10)	8264(5)	6771(5)	59
H(7)	5865(10)	6125(5)	5106(5)	57
H(7A)	9283(6)	6086(3)	5455(3)	66
H(8)	8369(9)	6689(5)	6891(5)	48
H(10A)	654(18)	7670(9)	6995(10)	61
H(10B)	2425(18)	7419(9)	7736(10)	61
H(10C)	311(17)	7999(9)	6353(14)	65
H(10D)	1544(17)	7961(9)	7377(14)	65
H(11A)	6214(12)	9667(6)	6935(6)	88
H(11B)	4989(12)	9362(6)	5884(6)	88
H(11C)	7208(12)	9689(6)	6038(6)	88
H(12A)	6140(27)	7512(11)	4058(9)	237
H(12B)	5925(27)	8622(11)	4576(9)	237
H(13)	6637(11)	4710(5)	6102(5)	59
H(14)	10015(11)	5310(5)	7358(5)	57
H(15A)	10405(13)	3646(5)	7377(5)	83
H(15B)	9129(13)	3436(5)	6326(5)	83
H(16)	6337(22)	3416(9)	7051(10)	64
H(18)	6769(30)	3202(13)	10021(11)	177
H(19)	7259(32)	5528(11)	9145(14)	61
H(20)	4494(25)	4894(10)	7602(12)	51
H(21)	4304(32)	6749(11)	8169(8)	52
H(22A)	7314(25)	1837(10)	6594(15)	71
H(22B)	6468(25)	1783(10)	7536(15)	71
H(22C)	8697(25)	1903(10)	7608(15)	71
H(23A)	3470(18)	3559(8)	8631(10)	36
H(23B)	4551(18)	2640(8)	8347(10)	36
H(23C)	4360(18)	3540(8)	7698(10)	36
H(16')	6979(25)	3256(9)	7568(8)	68
H(18')	4897(17)	3477(6)	9147(6)	82
H(19')	8268(23)	5551(8)	9465(9)	50
H(20')	5298(26)	4756(11)	8060(11)	52
H(21')	4936(27)	6545(11)	8285(7)	47
H(22D)	7985(32)	1770(10)	8110(12)	101
H(22E)	9864(32)	1989(10)	7704(12)	101
H(22F)	7862(32)	1776(10)	6991(12)	101
H(23D)	7206(25)	4196(10)	10677(7)	70
H(23E)	9348(25)	4414(10)	10567(7)	70
H(23F)	8373(25)	3281(10)	10497(7)	70
H(25A)	1258(24)	9571(11)	6484(8)	76
H(26A)	2214(29)	11249(9)	7146(12)	100
H(27A)	3932(28)	11613(6)	8715(12)	103
H(28A)	4694(23)	10299(11)	9622(7)	91
H(29A)	3739(21)	8621(8)	8961(9)	62

H(25B)	702(23)	9732(10)	5731(7)	66
H(26B)	1342(24)	11477(8)	6165(9)	79
H(27B)	3036(27)	12116(5)	7694(11)	92
H(28B)	4090(26)	11011(10)	8789(8)	87
H(29B)	3450(25)	9266(9)	8355(9)	75
H(31A)	10669(35)	7881(24)	9840(80)	92
H(31B)	9548(65)	8782(53)	10126(59)	92
H(31C)	9832(83)	8569(63)	9056(32)	92
H(31D)	9795(24)	7933(29)	9583(60)	61
H(31E)	8785(53)	8525(59)	10316(23)	61
H(31F)	8939(60)	8941(37)	9326(44)	61
