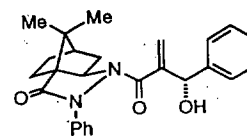


C(2)-C(4)-H(4)	107.5(6)	H(15')-C(15)-H(15'')	109.5(5)
C(5)-C(4)-H(4)	107.2(6)	C(14)-C(16)-H(16)	113.0(5)
C(4)-C(5)-C(6)	115.3(6)	C(14)-C(16)-H(16')	109.9(5)
C(4)-C(5)-H(5)	108.7(5)	C(14)-C(16)-H(16'')	109.7(6)
C(4)-C(5)-H(5')	108.9(6)	H(16)-C(16)-H(16')	108.1(6)
C(6)-C(5)-H(5)	107.3(6)	H(16)-C(16)-H(16'')	108.7(6)
C(6)-C(5)-H(5')	106.2(6)	H(16')-C(16)-H(16'')	107.2(5)
H(5)-C(5)-H(5')	110.5(6)	C(6)-C(1A)-C(2A)	121.9(7)
C(5)-C(6)-C(1A)	113.3(6)	C(6)-C(1A)-C(6A)	121.0(8)
C(5)-C(6)-H(6)	108.2(6)	C(2A)-C(1A)-C(6A)	117.0(8)
C(5)-C(6)-H(6')	109.5(6)	C(1A)-C(2A)-C(3A)	120.4(7)
C(1A)-C(6)-H(6)	109.1(6)	C(1A)-C(2A)-H(2A)	119.6(9)
C(1A)-C(6)-H(6')	110.6(7)	C(3A)-C(2A)-H(2A)	120.0(10)
H(6)-C(6)-H(6')	105.8(6)	C(2A)-C(3A)-C(4A)	122.0(8)
O(3)-C(7)-N(2)	122.3(5)	C(2A)-C(3A)-H(3A)	117.1(9)
O(3)-C(7)-C(8)	129.6(5)	C(4A)-C(3A)-H(3A)	120.8(10)
N(2)-C(7)-C(8)	108.1(5)	C(3A)-C(4A)-C(5A)	117.4(8)
C(7)-C(8)-C(9)	104.2(4)	C(3A)-C(4A)-H(4A)	124.1(10)
C(7)-C(8)-C(13)	120.9(5)	C(5A)-C(4A)-H(4A)	118.4(10)
C(7)-C(8)-C(14)	115.2(5)	C(4A)-C(5A)-C(6A)	121.9(8)
C(9)-C(8)-C(13)	106.9(5)	C(4A)-C(5A)-H(5A)	118.2(10)
C(9)-C(8)-C(14)	104.5(5)	C(6A)-C(5A)-H(5A)	119.7(10)
C(13)-C(8)-C(14)	103.8(4)	C(1A)-C(6A)-C(5A)	121.2(8)
N(1)-C(9)-C(8)	103.1(5)	C(1A)-C(6A)-H(6A)	120.4(8)
N(1)-C(9)-C(10)	119.4(5)	C(5A)-C(6A)-H(6A)	118.3(8)
N(1)-C(9)-H(9)	110.5(4)	N(2)-C(1B)-C(2B)	119.2(6)
C(8)-C(9)-C(10)	102.7(4)	N(2)-C(1B)-C(6B)	119.3(6)
C(8)-C(9)-H(9)	110.5(5)	C(2B)-C(1B)-C(6B)	121.4(5)
C(10)-C(9)-H(9)	109.9(5)	C(1B)-C(2B)-C(3B)	118.9(6)
C(9)-C(10)-C(11)	101.7(5)	C(1B)-C(2B)-H(2B)	120.6(6)
C(9)-C(10)-H(10)	111.6(5)	C(3B)-C(2B)-H(2B)	120.5(7)
C(9)-C(10)-H(10')	111.7(5)	C(2B)-C(3B)-C(4B)	120.1(7)
C(11)-C(10)-H(10)	112.3(5)	C(2B)-C(3B)-H(3B)	120.6(9)
C(11)-C(10)-H(10')	113.6(6)	C(4B)-C(3B)-H(3B)	119.3(8)
H(10)-C(10)-H(10')	106.1(6)	C(3B)-C(4B)-C(5B)	120.1(6)
C(10)-C(11)-C(12)	109.7(5)	C(3B)-C(4B)-H(4B)	118.7(10)
C(10)-C(11)-C(14)	102.1(5)	C(5B)-C(4B)-H(4B)	121.2(9)
C(10)-C(11)-H(11)	114.4(6)	C(4B)-C(5B)-C(6B)	120.3(7)
C(12)-C(11)-C(14)	103.0(6)	C(4B)-C(5B)-H(5B)	120.7(7)
C(12)-C(11)-H(11)	112.7(5)	C(6B)-C(5B)-H(5B)	119.0(8)
C(14)-C(11)-H(11)	113.9(6)	C(1B)-C(6B)-C(5B)	119.2(7)
C(11)-C(12)-C(13)	103.2(4)	C(1B)-C(6B)-H(6B)	117.1(5)
C(11)-C(12)-H(12)	113.0(5)	C(5B)-C(6B)-H(6B)	123.5(7)
C(11)-C(12)-H(12')	113.6(7)		

CH1140

Space Group and Cell Dimensions Monoclinic, C 2
 a 26.526(4) b 9.0300(20) c 12.0787(22)
 beta 116.763(15)
 Volume 2583.3(8) Å³



Empirical formula : C₂₇ H₃₀ Cl₂ N₂ O₃

Cell dimensions were obtained from 25 reflections with 2Theta angle in the range 18.40 - 26.38 degrees.

Crystal dimensions : 0.45 X 0.30 X 0.25 mm

FW = 501.45 Z = 4 F(000) = 1055.86

Dcalc 1.289 Mg.m⁻³, mu 0.28 mm⁻¹, lambda 0.70930 Å, 2Theta(max) 51.8

The intensity data were collected on a Nonius diffractometer, using the theta/2theta scan mode.

The h,k,l ranges are :-- -32 29, 0 11, 0 14

No. of reflections measured 2851

No. of unique reflections 2718

No. of reflections with Inet > 2.0sigma(Inet) 1796

Absorption corrections were made.

The minimum and maximum transmission factors are 0.886843 and 0.999563.

The last least squares cycle was calculated with 64 atoms, 307 parameters and 1796 out of 2718 reflections. Unit weights were used.

The residuals are as follows :--

For significant reflections, RF 0.080, Rw 0.076 GoF 2.21

For all reflections, RF 0.115, Rw 0.093.

where RF = Sum(Fo-Fc)/Sum(Fo),

Rw = Sqrt[Sum(w(Fo-Fc)**2)/Sum(wFo**2)] and

GoF = Sqrt[Sum(w(Fo-Fc)**2)/(No. of reflns - No. of params.)]

The maximum shift/sigma ratio was 0.001.

In the last D-map, the deepest hole was -0.570e/Å³, and the highest peak 0.720e/Å³.

Secondary ext. coeff. = 0.289482 sigma = 0.084338

CH1140

The following Atoms are from the CD File

* Indicates that there are Symmetry Equivalents of an atom.

Name	x	y	z
O(1)	-0.27321	-0.84909	-0.09292
O(2)	-0.23305	-1.20409	-0.34450
O(3)	-0.26804	-1.64253	-0.43040
N(1)	-0.25068	-1.05196	-0.17409
N(2)	-0.27191	-1.19826	-0.21263
C(1)	-0.28583	-0.97021	-0.14241
C(2)	-0.25798	-1.26487	-0.29378
C(3)	-0.27058	-1.42918	-0.31115
C(4)	-0.26408	-1.51404	-0.21764
C(5)	-0.28488	-1.48801	-0.44082
C(6)	-0.32115	-1.21820	-0.18650
C(7)	-0.33875	-1.05535	-0.17839
C(8)	-0.36806	-1.06053	-0.09530
C(9)	-0.42435	-1.14227	-0.18342
C(10)	-0.41982	-1.16186	-0.30615
C(11)	-0.37622	-1.28546	-0.28701
C(12)	-0.38863	-1.02301	-0.31069
C(13)	-0.37133	-1.01778	-0.41647
C(14)	-0.41884	-0.87762	-0.31551
C(1A)	-0.19077	-1.03109	-0.11696
C(2A)	-0.15740	-1.11991	-0.01858
C(3A)	-0.09926	-1.09816	0.03964
C(4A)	-0.07603	-0.98612	0.00085
C(5A)	-0.11004	-0.89595	-0.09409
C(6A)	-0.16903	-0.91849	-0.15548
C(1B)	-0.34869	-1.47502	-0.52044
C(2B)	-0.38541	-1.57591	-0.51160
C(3B)	-0.44267	-1.55560	-0.57333
C(4B)	-0.46454	-1.43536	-0.64615
C(5B)	-0.42852	-1.33093	-0.66243
C(6B)	-0.37114	-1.35342	-0.59686
Cl(1)	-0.03449	-0.33352	-0.18960
Cl(2)	-0.12634	-0.48479	-0.23132
C(15)	-0.09861	-0.32759	-0.22604
HO(3)	-0.29394	-1.67950	-0.40011
H(4)	-0.25308	-1.46867	-0.13661
H(4')	-0.27049	-1.62730	-0.22695
H(5)	-0.26249	-1.42656	-0.47941
H(6)	-0.30907	-1.27909	-0.09692
H(8)	-0.37527	-0.95725	-0.06303
H(8')	-0.34267	-1.12980	-0.00643
H(9)	-0.42679	-1.25723	-0.14855
H(9')	-0.46069	-1.08482	-0.19897
H(10)	-0.46038	-1.18288	-0.38740
H(11)	-0.38735	-1.39511	-0.25755
H(11')	-0.37209	-1.31409	-0.37189
H(13)	-0.40167	-1.06872	-0.50858
H(13')	-0.36176	-0.91073	-0.43639
H(13'')	-0.33168	-1.08854	-0.39364
H(14)	-0.43597	-0.89865	-0.25062
H(14')	-0.38898	-0.79193	-0.28729
H(14'')	-0.45219	-0.86003	-0.40781
H(2A)	-0.17712	-1.19469	0.01664

H(4A)	-0.03541	-0.97293	0.04047
H(5A)	-0.09074	-0.81784	-0.12199
H(6A)	-0.19348	-0.85982	-0.22598
H(2B)	-0.37190	-1.67117	-0.46106
H(3B)	-0.46837	-1.62358	-0.55918
H(4B)	-0.50552	-1.44192	-0.69848
H(5B)	-0.44749	-1.25632	-0.71846
H(6B)	-0.34468	-1.28162	-0.60444
H(15)	-0.11335	-0.24294	-0.18031
H(15')	-0.12910	-0.27658	-0.33635

CH1140

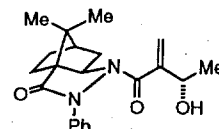
O(1)-C(1)	1.219(17)	C(12)-C(14)	1.525(18)
O(2)-C(2)	1.216(13)	C(13)-H(13)	1.136(10)
O(3)-C(5)	1.453(17)	C(13)-H(13')	1.054(14)
O(3)-HO(3)	0.971(8)	C(13)-H(13'')	1.153(11)
N(1)-N(2)	1.429(15)	C(14)-H(14)	1.085(12)
N(1)-C(1)	1.372(14)	C(14)-H(14')	1.048(14)
N(1)-C(1A)	1.432(11)	C(14)-H(14'')	1.078(11)
N(2)-C(2)	1.336(13)	C(1A)-C(2A)	1.375(16)
N(2)-C(6)	1.486(11)	C(1A)-C(6A)	1.351(18)
C(1)-C(7)	1.484(14)	C(2A)-C(3A)	1.391(15)
C(2)-C(3)	1.515(19)	C(2A)-H(2A)	1.054(12)
C(3)-C(4)	1.311(15)	C(3A)-C(4A)	1.372(21)
C(3)-C(5)	1.531(13)	C(3A)-H(3A)	1.008(13)
C(4)-H(4)	0.977(10)	C(4A)-C(5A)	1.364(22)
C(4)-H(4')	1.035(13)	C(4A)-H(4A)	0.969(10)
C(5)-C(1B)	1.529(13)	C(5A)-C(6A)	1.412(17)
C(5)-H(5)	1.062(10)	C(5A)-H(5A)	1.014(13)
C(6)-C(7)	1.559(17)	C(6A)-H(6A)	0.964(13)
C(6)-C(11)	1.543(13)	C(1B)-C(2B)	1.372(19)
C(6)-H(6)	1.124(9)	C(1B)-C(6B)	1.385(18)
C(7)-C(8)	1.522(12)	C(2B)-C(3B)	1.370(18)
C(7)-C(12)	1.576(12)	C(2B)-H(2B)	1.022(15)
C(8)-C(9)	1.573(15)	C(3B)-C(4B)	1.35(3)
C(8)-H(8)	1.061(12)	C(3B)-H(3B)	0.988(16)
C(8)-H(8')	1.160(11)	C(4B)-C(5B)	1.42(3)
C(9)-C(10)	1.550(14)	C(4B)-H(4B)	0.983(13)
C(9)-H(9)	1.133(14)	C(5B)-C(6B)	1.378(16)
C(9)-H(9')	1.035(10)	C(5B)-H(5B)	0.926(14)
C(10)-C(11)	1.548(16)	C(6B)-H(6B)	0.990(13)
C(10)-C(12)	1.517(18)	Cl(1)-C(15)	1.554(17)
C(10)-H(10)	1.098(9)	Cl(2)-C(15)	1.587(24)
C(11)-H(11)	1.135(12)	C(15)-H(15)	1.112(21)
C(11)-H(11')	1.110(9)	C(15)-H(15')	1.293(23)
C(12)-C(13)	1.541(13)		

C(5)-O(3)-HO(3)	96.9(7)	C(7)-C(12)-C(10)	91.9(8)
N(2)-N(1)-C(1)	111.8(8)	C(7)-C(12)-C(13)	114.8(7)
N(2)-N(1)-C(1A)	117.9(9)	C(7)-C(12)-C(14)	112.6(9)
C(1)-N(1)-C(1A)	122.8(9)	C(10)-C(12)-C(13)	115.2(10)
N(1)-N(2)-C(2)	117.2(8)	C(10)-C(12)-C(14)	115.3(9)
N(1)-N(2)-C(6)	107.3(8)	C(13)-C(12)-C(14)	106.8(10)
C(2)-N(2)-C(6)	131.4(9)	C(12)-C(13)-H(13)	117.1(9)
O(1)-C(1)-N(1)	123.3(9)	C(12)-C(13)-H(13')	114.2(11)
O(1)-C(1)-C(7)	128.6(9)	C(12)-C(13)-H(13'')	111.4(8)
N(1)-C(1)-C(7)	108.2(10)	H(13)-C(13)-H(13')	106.6(8)
O(2)-C(2)-N(2)	124.0(12)	H(13)-C(13)-H(13'')	100.2(9)
O(2)-C(2)-C(3)	120.6(10)	H(13')-C(13)-H(13'')	106.0(9)
N(2)-C(2)-C(3)	115.2(9)	C(12)-C(14)-H(14)	101.9(10)
C(2)-C(3)-C(4)	121.2(9)	C(12)-C(14)-H(14')	108.4(10)
C(2)-C(3)-C(5)	114.8(9)	C(12)-C(14)-H(14'')	109.8(11)
C(4)-C(3)-C(5)	123.7(11)	H(14)-C(14)-H(14')	113.3(12)
C(3)-C(4)-H(4)	118.8(12)	H(14)-C(14)-H(14'')	110.9(10)
C(3)-C(4)-H(4')	122.2(10)		

O(3)-C(5)-H(5)	109.2(8)	C(1A)-C(2A)-C(3A)	119.3(11)
C(3)-C(5)-C(1B)	108.1(7)	C(1A)-C(2A)-H(2A)	118.6(9)
C(3)-C(5)-H(5)	109.7(9)	C(3A)-C(2A)-H(2A)	121.7(11)
C(1B)-C(5)-H(5)	111.3(9)	C(2A)-C(3A)-C(4A)	119.9(12)
N(2)-C(6)-C(7)	102.5(9)	C(2A)-C(3A)-H(3A)	117.4(14)
N(2)-C(6)-C(11)	119.5(7)	C(4A)-C(3A)-H(3A)	122.2(11)
N(2)-C(6)-H(6)	111.5(7)	C(3A)-C(4A)-C(5A)	119.9(10)
C(7)-C(6)-C(11)	102.5(8)	C(3A)-C(4A)-H(4A)	119.5(14)
C(7)-C(6)-H(6)	111.4(8)	C(5A)-C(4A)-H(4A)	120.6(14)
C(11)-C(6)-H(6)	108.9(9)	C(4A)-C(5A)-C(6A)	120.8(12)
C(1)-C(7)-C(6)	103.7(8)	C(4A)-C(5A)-H(5A)	116.9(13)
C(1)-C(7)-C(8)	121.3(8)	C(6A)-C(5A)-H(5A)	122.1(15)
C(1)-C(7)-C(12)	116.9(9)	C(1A)-C(6A)-C(5A)	118.1(12)
C(6)-C(7)-C(8)	105.6(9)	C(1A)-C(6A)-H(6A)	119.8(11)
C(6)-C(7)-C(12)	104.4(8)	C(5A)-C(6A)-H(6A)	122.0(13)
C(8)-C(7)-C(12)	103.3(7)	C(5)-C(1B)-C(2B)	121.6(11)
C(7)-C(8)-C(9)	100.3(7)	C(5)-C(1B)-C(6B)	120.1(11)
C(7)-C(8)-H(8)	116.4(11)	C(2B)-C(1B)-C(6B)	118.1(10)
C(7)-C(8)-H(8')	111.8(8)	C(1B)-C(2B)-C(3B)	121.4(14)
C(9)-C(8)-H(8)	112.8(8)	C(1B)-C(2B)-H(2B)	122.4(11)
C(9)-C(8)-H(8')	110.6(10)	C(3B)-C(2B)-H(2B)	116.3(14)
H(8)-C(8)-H(8')	105.0(7)	C(2B)-C(3B)-C(4B)	120.5(15)
C(8)-C(9)-C(10)	104.0(7)	C(2B)-C(3B)-H(3B)	120.3(17)
C(8)-C(9)-H(9)	112.0(8)	C(4B)-C(3B)-H(3B)	119.0(14)
C(8)-C(9)-H(9')	114.2(11)	C(3B)-C(4B)-C(5B)	120.4(12)
C(10)-C(9)-H(9)	107.0(10)	C(3B)-C(4B)-H(4B)	113.3(19)
C(10)-C(9)-H(9')	110.5(8)	C(5B)-C(4B)-H(4B)	124.8(17)
H(9)-C(9)-H(9')	108.8(9)	C(4B)-C(5B)-C(6B)	117.5(13)
C(9)-C(10)-C(11)	108.3(9)	C(4B)-C(5B)-H(5B)	114.0(13)
C(9)-C(10)-C(12)	102.6(9)	C(6B)-C(5B)-H(5B)	128.5(17)
C(9)-C(10)-H(10)	114.1(8)	C(1B)-C(6B)-C(5B)	122.1(13)
C(11)-C(10)-C(12)	102.6(8)	C(1B)-C(6B)-H(6B)	118.1(10)
C(11)-C(10)-H(10)	112.0(10)	C(5B)-C(6B)-H(6B)	119.7(14)
C(12)-C(10)-H(10)	116.2(10)	Cl(1)-C(15)-Cl(2)	114.1(13)
C(6)-C(11)-C(10)	102.3(9)	Cl(1)-C(15)-H(15)	117.9(16)
C(6)-C(11)-H(11)	112.6(8)	Cl(1)-C(15)-H(15')	113.6(15)
C(6)-C(11)-H(11')	111.5(7)	Cl(2)-C(15)-H(15)	112.0(14)
C(10)-C(11)-H(11)	113.2(8)	Cl(2)-C(15)-H(15')	102.3(14)
C(10)-C(11)-H(11')	114.1(9)	H(15)-C(15)-H(15')	94.0(14)
H(11)-C(11)-H(11')	103.5(10)		

CH1132

Space Group and Cell Dimensions Orthorhombic P 212121
a 8.870(3) b 11.947(3) c 20.158(4)
Volume 2136.2(10)Å³



Empirical formula : C₂₂ H₃₀ N₂ O₄

Cell dimensions were obtained from 25 reflections with 2Theta angle in the range 18.98 - 29.12 degrees.

Crystal dimensions : 0.35 X 0.30 X 0.25 mm

FW = 386.49 Z = 4 F(000) = 831.87

Dcalc 1.202Mg.m⁻³, mu 0.08mm⁻¹, lambda 0.70930Å, 2Theta(max) 55.8

The intensity data were collected on a Nonius diffractometer, using the theta/2theta scan mode.

The h,k,l ranges are :-- 0 11, 0 15, 0 26

No. of reflections measured 2915

No. of unique reflections 2915

No. of reflections with Inet > 2.0sigma(Inet) 1539

Absorption corrections were made.

The minimum and maximum transmission factors are 0.908341 and 0.999300.

The last least squares cycle was calculated with 58 atoms, 224 parameters and 1539 out of 2915 reflections. Unit weights were used.

The residuals are as follows :--

For significant reflections, RF 0.078, Rw 0.080 GoF 1.84

For all reflections, RF 0.146, Rw 0.120.

where RF = Sum(Fo-Fc)/Sum(Fo),

Rw = Sqrt[Sum(w(Fo-Fc)**2)/Sum(wFo**2)] and

GoF = Sqrt[Sum(w(Fo-Fc)**2)/(No. of reflns - No. of params.)]

The maximum shift/sigma ratio was 0.001.

In the last D-map, the deepest hole was -0.330e/Å³, and the highest peak 0.260e/Å³.

Secondary ext. coeff. = 0.273179 sigma = 0.045565

CH1132

The following Atoms are from the CD File

* Indicates that there are Symmetry Equivalents of an atom.

Name	x	y	z
O(1)	0.29809	0.60235	0.12320
O(2)	0.73748	0.59758	0.03944
O(3)	1.10893	0.29402	0.03885
N(1)	0.75155	0.41132	0.06106
N(2)	0.90217	0.40793	0.03219
C(1)	0.53254	0.63589	0.17701
C(2)	0.45622	0.61174	0.11043
C(3)	0.51213	0.50754	0.07972
C(4)	0.42933	0.42317	0.06192
C(5)	0.68123	0.51008	0.05948
C(6)	0.73329	0.31272	0.10365
C(7)	0.66525	0.32684	0.17366
C(8)	0.79098	0.27664	0.21841
C(9)	0.80795	0.15190	0.20130
C(10)	0.89613	0.15167	0.13297
C(11)	0.90288	0.27569	0.11816
C(12)	0.98623	0.32178	0.06140
C(13)	0.93487	0.32989	0.18649
C(14)	0.94386	0.45663	0.18942
C(15)	1.08728	0.28562	0.21679
C(1A)	0.92903	0.45454	-0.03090
C(2A)	0.83810	0.42390	-0.08327
C(3A)	0.86908	0.47255	-0.14594
C(4A)	0.98531	0.54444	-0.15366
C(5A)	1.07421	0.57136	-0.10075
C(6A)	1.04964	0.52560	-0.03883
O(4)	0.15420	0.78185	0.07051
C(16)	0.00456	0.79647	0.08229
HO(1)	0.26134	0.64855	0.08664
H(1)	0.64973	0.66146	0.16186
H(1')	0.54258	0.56006	0.20647
H(1'')	0.48545	0.70145	0.20700
H(2)	0.48142	0.68781	0.07928
H(4)	0.46932	0.36908	0.02763
H(4')	0.32756	0.39974	0.08218
H(6)	0.67175	0.24770	0.07779
H(7)	0.63968	0.41415	0.18597
H(7')	0.55791	0.28000	0.17976
H(8)	0.77797	0.29394	0.27239
H(9)	0.86872	0.10681	0.23982
H(9')	0.69679	0.11361	0.19607
H(10)	0.83912	0.10432	0.09284
H(10')	1.01107	0.11361	0.13640
H(14)	0.93000	0.47720	0.24110
H(14')	0.85262	0.49595	0.16006
H(14'')	1.04993	0.49118	0.17041
H(15)	1.07190	0.19281	0.21953
H(15')	1.10991	0.31681	0.26518
H(15'')	1.18159	0.30185	0.18406
H(2A)	0.75151	0.36936	-0.07560
H(3A)	0.80152	0.44898	-0.18355

HO(4)	0.16317	0.71961	0.03507
H(16)	-0.04461	0.83716	0.04425
H(16')	0.00741	0.85740	0.12847
H(16'')	-0.05097	0.72396	0.10127

CH1132

O(1)-C(2)	1.431(11)	C(9)-H(9')	1.092(10)
O(1)-HO(1)	0.977(9)	C(10)-C(11)	1.513(12)
O(2)-C(5)	1.227(11)	C(10)-H(10)	1.109(10)
O(3)-C(12)	1.225(9)	C(10)-H(10')	1.119(9)
N(1)-N(2)	1.458(8)	C(11)-C(12)	1.469(11)
N(1)-C(5)	1.335(11)	C(11)-C(13)	1.548(11)
N(1)-C(6)	1.467(10)	C(13)-C(14)	1.517(14)
N(2)-C(12)	1.401(11)	C(13)-C(15)	1.575(12)
N(2)-C(1A)	1.409(9)	C(14)-H(14)	1.078(9)
C(1)-C(2)	1.531(17)	C(14)-H(14')	1.107(10)
C(1)-H(1)	1.126(12)	C(14)-H(14'')	1.097(10)
C(1)-H(1')	1.087(12)	C(15)-H(15)	1.119(13)
C(1)-H(1'')	1.074(10)	C(15)-H(15')	1.063(10)
C(2)-C(3)	1.476(15)	C(15)-H(15'')	1.083(10)
C(2)-H(2)	1.127(10)	C(1A)-C(2A)	1.378(12)
C(3)-C(4)	1.298(15)	C(1A)-C(6A)	1.375(12)
C(3)-C(5)	1.555(11)	C(2A)-C(3A)	1.417(14)
C(4)-H(4)	1.011(11)	C(2A)-H(2A)	1.019(9)
C(4)-H(4')	1.030(9)	C(3A)-C(4A)	1.351(15)
C(6)-C(7)	1.544(11)	C(3A)-H(3A)	1.007(11)
C(6)-C(11)	1.595(10)	C(4A)-C(5A)	1.365(14)
C(6)-H(6)	1.083(8)	C(4A)-H(4A)	1.017(10)
C(7)-C(8)	1.555(12)	C(5A)-C(6A)	1.380(13)
C(7)-H(7)	1.096(9)	C(5A)-H(5A)	1.070(10)
C(7)-H(7')	1.111(8)	C(6A)-H(6A)	1.032(9)
C(8)-C(9)	1.537(15)	O(4)-C(16)	1.360(16)
C(8)-C(13)	1.565(12)	O(4)-HO(4)	1.034(14)
C(8)-H(8)	1.113(8)	C(16)-H(16)	1.007(15)
C(9)-C(10)	1.584(13)	C(16)-H(16')	1.182(17)
C(9)-H(9)	1.088(10)	C(16)-H(16'')	1.068(17)

C(2)-O(1)-HO(1)	98.5(7)	C(11)-C(10)-H(10)	111.9(7)
N(2)-N(1)-C(5)	116.3(6)	C(11)-C(10)-H(10')	112.0(8)
N(2)-N(1)-C(6)	108.2(6)	H(10)-C(10)-H(10')	104.7(7)
C(5)-N(1)-C(6)	132.2(6)	C(6)-C(11)-C(10)	105.7(6)
N(1)-N(2)-C(12)	109.9(6)	C(6)-C(11)-C(12)	103.2(6)
N(1)-N(2)-C(1A)	120.3(6)	C(6)-C(11)-C(13)	102.7(6)
C(12)-N(2)-C(1A)	125.4(6)	C(10)-C(11)-C(12)	122.7(7)
C(2)-C(1)-H(1)	102.8(8)	C(10)-C(11)-C(13)	104.0(7)
C(2)-C(1)-H(1')	111.0(10)	C(12)-C(11)-C(13)	116.3(7)
C(2)-C(1)-H(1'')	117.3(10)	O(3)-C(12)-N(2)	121.1(7)
H(1)-C(1)-H(1')	107.4(10)	O(3)-C(12)-C(11)	129.4(8)
H(1)-C(1)-H(1'')	108.3(10)	N(2)-C(12)-C(11)	109.6(7)
H(1')-C(1)-H(1'')	109.4(9)	C(8)-C(13)-C(11)	92.7(6)
O(1)-C(2)-C(1)	106.9(8)	C(8)-C(13)-C(14)	115.6(8)
O(1)-C(2)-C(3)	109.8(9)	C(8)-C(13)-C(15)	113.8(7)
O(1)-C(2)-H(2)	111.0(8)	C(11)-C(13)-C(14)	117.5(7)
C(1)-C(2)-C(3)	112.2(8)	C(11)-C(13)-C(15)	111.2(8)
C(1)-C(2)-H(2)	104.4(9)	C(14)-C(13)-C(15)	106.0(8)
C(3)-C(2)-H(2)	112.3(8)	C(13)-C(14)-H(14)	105.0(8)
C(2)-C(3)-C(4)	125.5(8)	C(13)-C(14)-H(14')	111.4(7)
C(2)-C(3)-C(5)	114.7(8)	C(13)-C(14)-H(14'')	114.0(9)
C(4)-C(3)-C(5)	119.2(8)	H(14)-C(14)-H(14')	109.7(9)

O(2)-C(5)-N(1)	124.8(7)	C(13)-C(15)-H(15')	113.6(9)
O(2)-C(5)-C(3)	119.7(8)	C(13)-C(15)-H(15'')	111.5(8)
N(1)-C(5)-C(3)	115.3(8)	H(15)-C(15)-H(15')	109.0(8)
N(1)-C(6)-C(7)	119.4(7)	H(15)-C(15)-H(15'')	107.6(10)
N(1)-C(6)-C(11)	103.1(5)	H(15')-C(15)-H(15'')	110.5(9)
N(1)-C(6)-H(6)	110.5(6)	N(2)-C(1A)-C(2A)	119.2(7)
C(7)-C(6)-C(11)	103.4(6)	N(2)-C(1A)-C(6A)	118.7(7)
C(7)-C(6)-H(6)	108.7(6)	C(2A)-C(1A)-C(6A)	122.0(8)
C(11)-C(6)-H(6)	111.4(6)	C(1A)-C(2A)-C(3A)	117.4(8)
C(6)-C(7)-C(8)	102.0(6)	C(1A)-C(2A)-H(2A)	119.7(8)
C(6)-C(7)-H(7)	113.1(7)	C(3A)-C(2A)-H(2A)	122.9(9)
C(6)-C(7)-H(7')	112.4(7)	C(2A)-C(3A)-C(4A)	120.8(10)
C(8)-C(7)-H(7)	112.6(7)	C(2A)-C(3A)-H(3A)	116.2(10)
C(8)-C(7)-H(7')	110.9(7)	C(4A)-C(3A)-H(3A)	123.1(10)
H(7)-C(7)-H(7')	106.1(7)	C(3A)-C(4A)-C(5A)	120.0(9)
C(7)-C(8)-C(9)	108.3(7)	C(3A)-C(4A)-H(4A)	120.5(10)
C(7)-C(8)-C(13)	100.9(6)	C(5A)-C(4A)-H(4A)	119.0(10)
C(7)-C(8)-H(8)	114.9(7)	C(4A)-C(5A)-C(6A)	121.5(9)
C(9)-C(8)-C(13)	102.8(7)	C(4A)-C(5A)-H(5A)	118.6(9)
C(9)-C(8)-H(8)	114.2(8)	C(6A)-C(5A)-H(5A)	119.5(9)
C(13)-C(8)-H(8)	114.3(7)	C(1A)-C(6A)-C(5A)	118.2(8)
C(8)-C(9)-C(10)	104.2(7)	C(1A)-C(6A)-H(6A)	119.0(8)
C(8)-C(9)-H(9)	111.6(9)	C(5A)-C(6A)-H(6A)	121.1(9)
C(8)-C(9)-H(9')	109.8(8)	C(16)-O(4)-HO(4)	106.7(12)
C(10)-C(9)-H(9)	112.0(8)	O(4)-C(16)-H(16)	110.6(12)
C(10)-C(9)-H(9')	111.2(9)	O(4)-C(16)-H(16')	101.3(12)
H(9)-C(9)-H(9')	108.0(8)	O(4)-C(16)-H(16'')	114.1(14)
C(9)-C(10)-C(11)	100.9(7)	H(16)-C(16)-H(16')	108.2(16)
C(9)-C(10)-H(10)	114.2(8)	H(16)-C(16)-H(16'')	117.7(14)
C(9)-C(10)-H(10')	113.4(8)	H(16')-C(16)-H(16'')	103.1(11)

Table 1. Crystal data and structure refinement for IC6498.

Identification code	ic6498
Empirical formula	C ₂₂ H ₂₈ N ₂ O ₃
Formula weight	368.46
Temperature	295(2) K
Wavelength	0.71073 Å
Crystal system	Orthorhombic
Space group	P2 ₁ ² ₁ ² ₁
Unit cell dimensions	a = 9.3369(2) Å alpha = 90° b = 9.8804(3) Å beta = 90° c = 43.7475(14) Å gamma = 90°
Volume, Z	4035.8(2) Å ³ , 8
Density (calculated)	1.213 Mg/m ³
Absorption coefficient	0.081 mm ⁻¹
F(000)	1584
Crystal size	0.4 x 0.3 x 0.25 mm
θ range for data collection	0.93 to 23.25°
Limiting indices	-10 ≤ h ≤ 9, -4 ≤ k ≤ 10, -25 ≤ l ≤ 48
Reflections collected	10316
Independent reflections	5746 (R _{int} = 0.0267)
Absorption correction	USED SADABS
Max. and min. transmission	0.978 and 0.772
Refinement method	Full-matrix least-squares on F ²
Data / restraints / parameters	5489 / 0 / 488
Goodness-of-fit on F ²	1.041
Final R indices [I > 2σ(I)]	R1 = 0.0436, wR2 = 0.0947
R indices (all data)	R1 = 0.0639, wR2 = 0.1117
Absolute structure parameter	-2.2(12)
Extinction coefficient	0.0046(5)
Largest diff. peak and hole	0.177 and -0.179 eÅ ⁻³

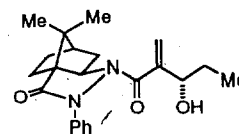


Table 2. Bond lengths [Å] and angles [°] for IC6498.

O(1)-C(1)	1.217 (3)	O(2)-C(17)	1.223 (3)
O(3)-C(20)	1.440 (3)	N(1)-C(1)	1.377 (4)
N(1)-C(11)	1.423 (3)	N(1)-N(2)	1.433 (3)
N(2)-C(17)	1.374 (3)	N(2)-C(3)	1.476 (3)
C(1)-C(2)	1.488 (4)	C(2)-C(7)	1.523 (4)
C(2)-C(3)	1.538 (4)	C(2)-C(8)	1.565 (4)
C(3)-C(4)	1.549 (4)	C(4)-C(5)	1.529 (4)
C(5)-C(8)	1.542 (4)	C(5)-C(6)	1.542 (4)
C(6)-C(7)	1.552 (4)	C(8)-C(10)	1.527 (4)
C(8)-C(9)	1.548 (4)	C(11)-C(12)	1.375 (4)
C(11)-C(16)	1.381 (4)	C(12)-C(13)	1.379 (5)
C(13)-C(14)	1.380 (5)	C(14)-C(15)	1.358 (5)
C(15)-C(16)	1.371 (4)	C(17)-C(18)	1.503 (4)
C(18)-C(19)	1.302 (4)	C(18)-C(20)	1.517 (4)
C(20)-C(21)	1.511 (4)	C(21)-C(22)	1.500 (4)
O(4)-C(23)	1.216 (3)	O(5)-C(39)	1.234 (3)
O(6)-C(42)	1.427 (3)	N(3)-C(23)	1.390 (4)
N(3)-N(4)	1.420 (3)	N(3)-C(33)	1.435 (3)
N(4)-C(39)	1.366 (3)	N(4)-C(25)	1.486 (3)
C(23)-C(24)	1.487 (4)	C(24)-C(25)	1.533 (4)
C(24)-C(29)	1.537 (4)	C(24)-C(30)	1.571 (4)
C(25)-C(26)	1.542 (4)	C(26)-C(27)	1.540 (4)
C(27)-C(30)	1.541 (4)	C(27)-C(28)	1.541 (4)
C(28)-C(29)	1.561 (4)	C(30)-C(32)	1.528 (4)
C(30)-C(31)	1.542 (4)	C(33)-C(38)	1.367 (4)
C(33)-C(34)	1.382 (4)	C(34)-C(35)	1.387 (5)
C(35)-C(36)	1.354 (5)	C(36)-C(37)	1.372 (5)
C(37)-C(38)	1.386 (4)	C(39)-C(40)	1.491 (4)
C(40)-C(41)	1.317 (4)	C(40)-C(42)	1.512 (4)
C(42)-C(43)	1.511 (4)	C(43)-C(44)	1.525 (5)
C(1)-N(1)-C(11)	123.0 (2)	C(1)-N(1)-N(2)	111.8 (2)
C(11)-N(1)-N(2)	118.3 (2)	C(17)-N(2)-N(1)	116.1 (2)
C(17)-N(2)-C(3)	131.1 (2)	N(1)-N(2)-C(3)	107.4 (2)
O(1)-C(1)-N(1)	123.3 (3)	O(1)-C(1)-C(2)	129.4 (3)
N(1)-C(1)-C(2)	107.3 (2)	C(1)-C(2)-C(7)	121.2 (2)
C(1)-C(2)-C(3)	104.6 (2)	C(7)-C(2)-C(3)	106.6 (2)
C(1)-C(2)-C(8)	116.6 (2)	C(7)-C(2)-C(8)	102.0 (2)
C(3)-C(2)-C(8)	104.4 (2)	N(2)-C(3)-C(2)	103.2 (2)
N(2)-C(3)-C(4)	121.1 (2)	C(2)-C(3)-C(4)	103.0 (2)
C(5)-C(4)-C(3)	102.2 (2)	C(4)-C(5)-C(8)	102.0 (2)
C(4)-C(5)-C(6)	109.2 (2)	C(8)-C(5)-C(6)	101.9 (2)
C(5)-C(6)-C(7)	104.1 (2)	C(2)-C(7)-C(6)	101.4 (2)
C(10)-C(8)-C(5)	115.0 (3)	C(10)-C(8)-C(9)	106.5 (2)
C(5)-C(8)-C(9)	115.3 (2)	C(10)-C(8)-C(2)	115.8 (2)
C(5)-C(8)-C(2)	91.8 (2)	C(9)-C(8)-C(2)	112.3 (2)
C(12)-C(11)-C(16)	120.2 (3)	C(12)-C(11)-N(1)	120.9 (3)
C(16)-C(11)-N(1)	118.9 (3)	C(11)-C(12)-C(13)	119.7 (3)
C(14)-C(13)-C(12)	119.6 (3)	C(15)-C(14)-C(13)	120.4 (3)
C(14)-C(15)-C(16)	120.5 (3)	C(15)-C(16)-C(11)	119.5 (3)
O(2)-C(17)-N(2)	121.8 (3)	O(2)-C(17)-C(18)	122.3 (3)
N(2)-C(17)-C(18)	115.5 (3)	C(19)-C(18)-C(17)	120.1 (3)
C(19)-C(18)-C(20)	122.4 (3)	C(17)-C(18)-C(20)	117.3 (2)
O(3)-C(20)-C(21)	112.3 (2)	O(3)-C(20)-C(18)	106.5 (2)
C(21)-C(20)-C(18)	116.0 (2)	C(22)-C(21)-C(20)	113.1 (3)
C(23)-N(3)-N(4)	111.3 (2)	C(23)-N(3)-C(33)	122.5 (2)
N(4)-N(3)-C(33)	118.2 (2)	C(39)-N(4)-N(3)	118.0 (2)
C(39)-N(4)-C(25)	129.9 (2)	N(3)-N(4)-C(25)	107.8 (2)
O(4)-C(23)-N(3)	124.0 (3)	O(4)-C(23)-C(24)	128.4 (3)

N(3)-C(23)-C(24)	107.6(2)	C(23)-C(24)-C(25)	104.8(2)
C(23)-C(24)-C(29)	120.8(2)	C(25)-C(24)-C(29)	105.7(2)
C(23)-C(24)-C(30)	117.5(2)	C(25)-C(24)-C(30)	104.6(2)
C(29)-C(24)-C(30)	101.9(2)	N(4)-C(25)-C(24)	102.8(2)
N(4)-C(25)-C(26)	120.6(2)	C(24)-C(25)-C(26)	103.7(2)
C(27)-C(26)-C(25)	101.4(2)	C(26)-C(27)-C(30)	101.8(2)
C(26)-C(27)-C(28)	109.5(3)	C(30)-C(27)-C(28)	102.9(2)
C(27)-C(28)-C(29)	103.7(2)	C(24)-C(29)-C(28)	101.2(2)
C(32)-C(30)-C(31)	107.0(3)	C(32)-C(30)-C(27)	115.5(2)
C(31)-C(30)-C(27)	113.9(2)	C(32)-C(30)-C(24)	115.1(2)
C(31)-C(30)-C(24)	113.6(2)	C(27)-C(30)-C(24)	91.5(2)
C(38)-C(33)-C(34)	120.2(3)	C(38)-C(33)-N(3)	121.4(3)
C(34)-C(33)-N(3)	118.2(3)	C(33)-C(34)-C(35)	119.2(3)
C(36)-C(35)-C(34)	120.6(3)	C(35)-C(36)-C(37)	120.1(3)
C(36)-C(37)-C(38)	120.2(3)	C(33)-C(38)-C(37)	119.7(3)
O(5)-C(39)-N(4)	121.9(2)	O(5)-C(39)-C(40)	121.6(3)
N(4)-C(39)-C(40)	116.2(2)	C(41)-C(40)-C(39)	119.9(3)
C(41)-C(40)-C(42)	121.6(3)	C(39)-C(40)-C(42)	118.3(2)
O(6)-C(42)-C(40)	110.5(2)	O(6)-C(42)-C(43)	111.9(2)
C(40)-C(42)-C(43)	113.2(2)	C(42)-C(43)-C(44)	112.5(3)

Symmetry transformations used to generate equivalent atoms:

displacement parameters [$\text{\AA}^2 \times 10^3$] for IC6498. $U(\text{eq})$ is defined as one third of the trace of the orthogonalized U_{ij} tensor.

	x	y	z	$U(\text{eq})$
O(1)	-4960(2)	2919(2)	315(1)	67(1)
O(2)	-1375(2)	106(2)	788(1)	61(1)
O(3)	950(2)	1721(2)	1247(1)	63(1)
N(1)	-2928(2)	1756(2)	440(1)	47(1)
N(2)	-1466(2)	2054(2)	514(1)	44(1)
C(1)	-3734(3)	2915(3)	409(1)	46(1)
C(2)	-2827(3)	4069(3)	512(1)	46(1)
C(3)	-1283(3)	3534(3)	491(1)	46(1)
C(4)	-497(3)	4342(3)	744(1)	57(1)
C(5)	-1624(3)	5387(3)	836(1)	56(1)
C(6)	-1944(4)	6317(3)	562(1)	68(1)
C(7)	-2849(4)	5420(3)	344(1)	61(1)
C(8)	-2995(3)	4521(3)	852(1)	52(1)
C(9)	-4398(4)	5318(3)	908(1)	72(1)
C(10)	-2962(4)	3385(3)	1089(1)	68(1)
C(11)	-3231(3)	541(3)	278(1)	46(1)
C(12)	-2413(3)	157(3)	31(1)	59(1)
C(13)	-2766(4)	-997(4)	-130(1)	71(1)
C(14)	-3940(5)	-1750(3)	-42(1)	77(1)
C(15)	-4750(4)	-1359(3)	200(1)	73(1)
C(16)	-4403(3)	-222(3)	364(1)	58(1)
C(17)	-763(3)	1105(3)	688(1)	45(1)
C(18)	829(3)	1295(3)	714(1)	45(1)
C(19)	1568(3)	1719(3)	481(1)	65(1)
C(20)	1530(3)	862(3)	1012(1)	51(1)
C(21)	1408(4)	-622(3)	1091(1)	63(1)
C(22)	2031(5)	-1533(4)	852(1)	94(1)
O(4)	4920(2)	-2769(2)	2075(1)	65(1)
O(5)	2148(2)	1271(2)	1840(1)	52(1)
O(6)	3518(2)	3213(2)	1381(1)	67(1)
N(3)	3867(2)	-661(2)	2072(1)	44(1)
N(4)	4319(2)	702(2)	2038(1)	40(1)
C(23)	5002(3)	-1555(3)	2033(1)	46(1)
C(24)	6272(3)	-748(3)	1938(1)	43(1)
C(25)	5910(3)	710(3)	2030(1)	40(1)
C(26)	6718(3)	1574(3)	1792(1)	52(1)
C(27)	7679(3)	503(3)	1639(1)	56(1)
C(28)	8722(3)	-86(3)	1878(1)	66(1)
C(29)	7757(3)	-1034(3)	2075(1)	57(1)
C(30)	6616(3)	-668(3)	1587(1)	52(1)
C(31)	7311(4)	-1964(4)	1459(1)	77(1)
C(32)	5336(3)	-339(3)	1383(1)	67(1)
C(33)	2694(3)	-937(3)	2275(1)	44(1)
C(34)	1892(3)	-2092(3)	2225(1)	60(1)
C(35)	834(4)	-2441(4)	2434(1)	77(1)
C(36)	568(4)	-1648(4)	2680(1)	77(1)
C(37)	1349(4)	-489(4)	2726(1)	70(1)
C(38)	2423(3)	-132(3)	2522(1)	53(1)
C(39)	3363(3)	1611(3)	1921(1)	41(1)
C(40)	3808(3)	3060(3)	1929(1)	42(1)
C(41)	4428(4)	3557(3)	2175(1)	66(1)
C(42)	3414(3)	3951(3)	1661(1)	51(1)
C(43)	1970(4)	4623(3)	1696(1)	72(1)

Table 2. Anisotropic displacement parameters [$\text{\AA}^2 \times 10^3$]
 for IC6498. The anisotropic displacement factor exponent takes the form:
 $-2\pi^2 \sum h^2 a^{*2} U_{11} + \dots + 2\pi^2 h k a^* b^* U_{12}$

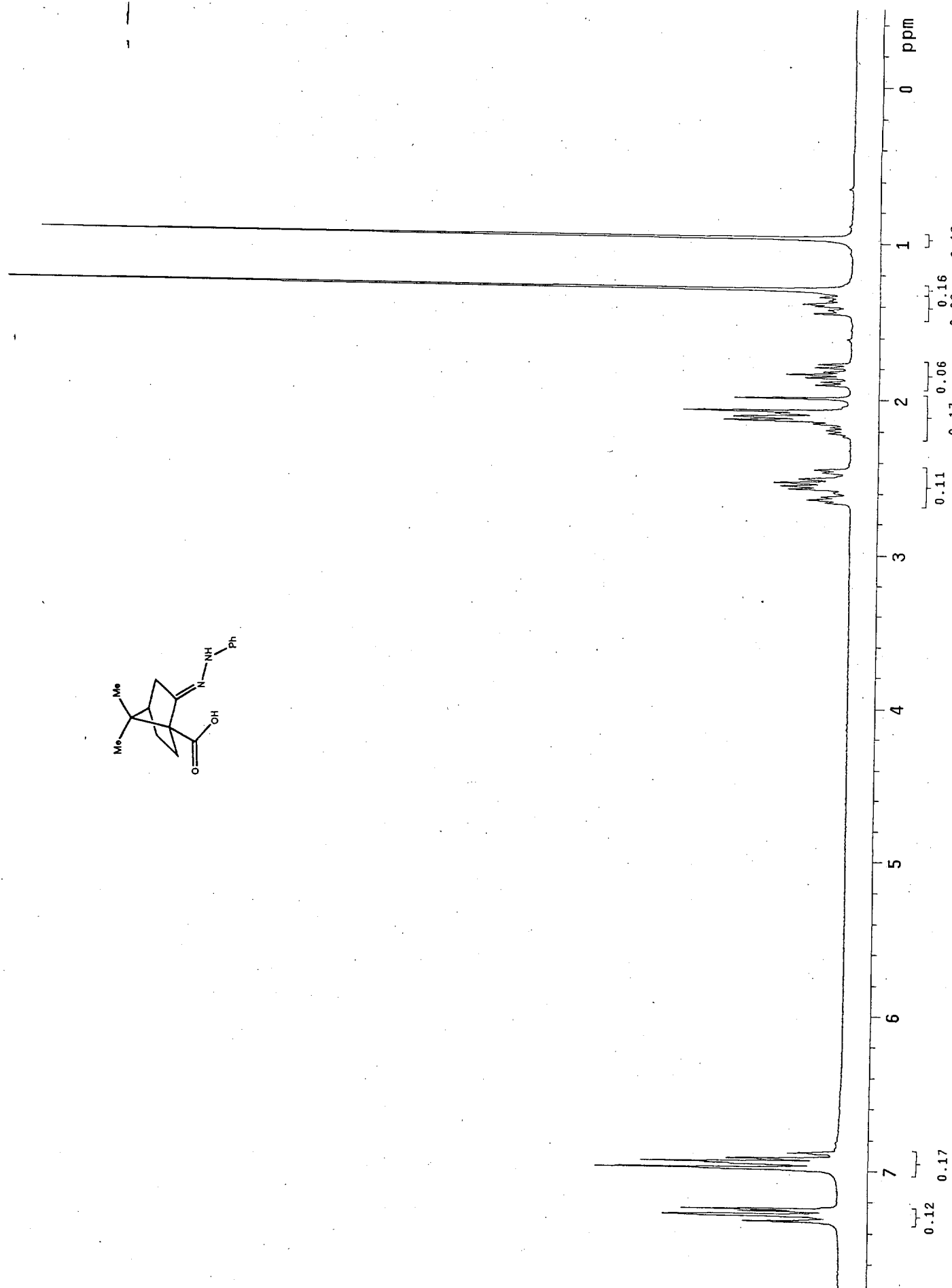
O(1)	43(1)	63(1)	95(2)	9(1)	-16(1)	7(1)
O(2)	45(1)	63(1)	75(1)	21(1)	-12(1)	-8(1)
O(3)	63(1)	74(1)	52(1)	-6(1)	-2(1)	7(1)
N(1)	35(1)	44(1)	61(2)	4(1)	-9(1)	2(1)
N(2)	32(1)	45(1)	57(1)	4(1)	-6(1)	-3(1)
C(1)	38(2)	48(2)	52(2)	9(1)	1(2)	0(2)
C(2)	45(2)	43(2)	51(2)	10(1)	2(1)	1(1)
C(3)	43(2)	46(2)	48(2)	7(1)	5(1)	-4(1)
C(4)	49(2)	55(2)	66(2)	-2(2)	2(2)	-9(2)
C(5)	59(2)	51(2)	59(2)	-4(2)	3(2)	-2(2)
C(6)	69(2)	51(2)	84(2)	7(2)	17(2)	-6(2)
C(7)	67(2)	52(2)	64(2)	14(2)	4(2)	3(2)
C(8)	54(2)	49(2)	53(2)	5(1)	8(2)	1(2)
C(9)	70(2)	62(2)	86(2)	0(2)	25(2)	11(2)
C(10)	74(2)	75(2)	55(2)	10(2)	14(2)	2(2)
C(11)	39(2)	41(2)	59(2)	5(2)	-9(1)	-3(1)
C(12)	54(2)	58(2)	67(2)	2(2)	-2(2)	2(2)
C(13)	83(3)	64(2)	66(2)	-7(2)	-8(2)	25(2)
C(14)	94(3)	50(2)	86(3)	-3(2)	-40(2)	5(2)
C(15)	61(2)	62(2)	95(3)	5(2)	-16(2)	-21(2)
C(16)	48(2)	57(2)	69(2)	1(2)	-3(2)	-8(2)
C(17)	42(2)	53(2)	39(2)	3(2)	-4(1)	0(2)
C(18)	34(2)	51(2)	49(2)	-4(1)	-2(1)	-1(1)
C(19)	40(2)	88(2)	67(2)	10(2)	0(2)	4(2)
C(20)	37(2)	62(2)	55(2)	-6(2)	-7(1)	3(2)
C(21)	59(2)	68(2)	61(2)	7(2)	-13(2)	10(2)
C(22)	135(4)	59(2)	90(3)	-4(2)	-2(3)	19(2)
O(4)	65(1)	35(1)	94(2)	5(1)	5(1)	1(1)
O(5)	47(1)	51(1)	59(1)	8(1)	-10(1)	-7(1)
O(6)	82(2)	69(1)	50(1)	9(1)	10(1)	0(1)
N(3)	42(1)	33(1)	59(1)	2(1)	5(1)	-2(1)
N(4)	40(1)	30(1)	51(1)	4(1)	-2(1)	-3(1)
C(23)	48(2)	40(2)	50(2)	0(1)	-2(1)	0(2)
C(24)	40(2)	39(2)	49(2)	3(1)	-2(1)	1(1)
C(25)	34(2)	44(2)	42(2)	1(1)	-5(1)	-1(1)
C(26)	43(2)	52(2)	61(2)	4(2)	4(2)	-6(2)
C(27)	43(2)	62(2)	63(2)	10(2)	11(2)	-1(2)
C(28)	42(2)	71(2)	85(2)	2(2)	3(2)	-1(2)
C(29)	45(2)	61(2)	65(2)	6(2)	0(2)	7(2)
C(30)	51(2)	54(2)	50(2)	-3(2)	4(1)	3(2)
C(31)	79(3)	72(2)	79(2)	-19(2)	13(2)	7(2)
C(32)	68(2)	84(2)	49(2)	-10(2)	-7(2)	1(2)
C(33)	35(2)	43(2)	53(2)	10(2)	-2(1)	2(1)
C(34)	55(2)	54(2)	71(2)	5(2)	-7(2)	-13(2)
C(35)	50(2)	75(3)	106(3)	22(2)	-4(2)	-20(2)
C(36)	54(2)	81(3)	97(3)	34(2)	16(2)	6(2)
C(37)	72(2)	63(2)	73(2)	13(2)	22(2)	17(2)
C(38)	45(2)	47(2)	67(2)	8(2)	8(2)	4(2)
C(39)	44(2)	42(2)	38(2)	1(1)	-1(1)	-1(2)
C(40)	41(2)	40(2)	47(2)	-1(1)	-1(1)	2(1)
C(41)	86(3)	46(2)	66(2)	-2(2)	-12(2)	0(2)

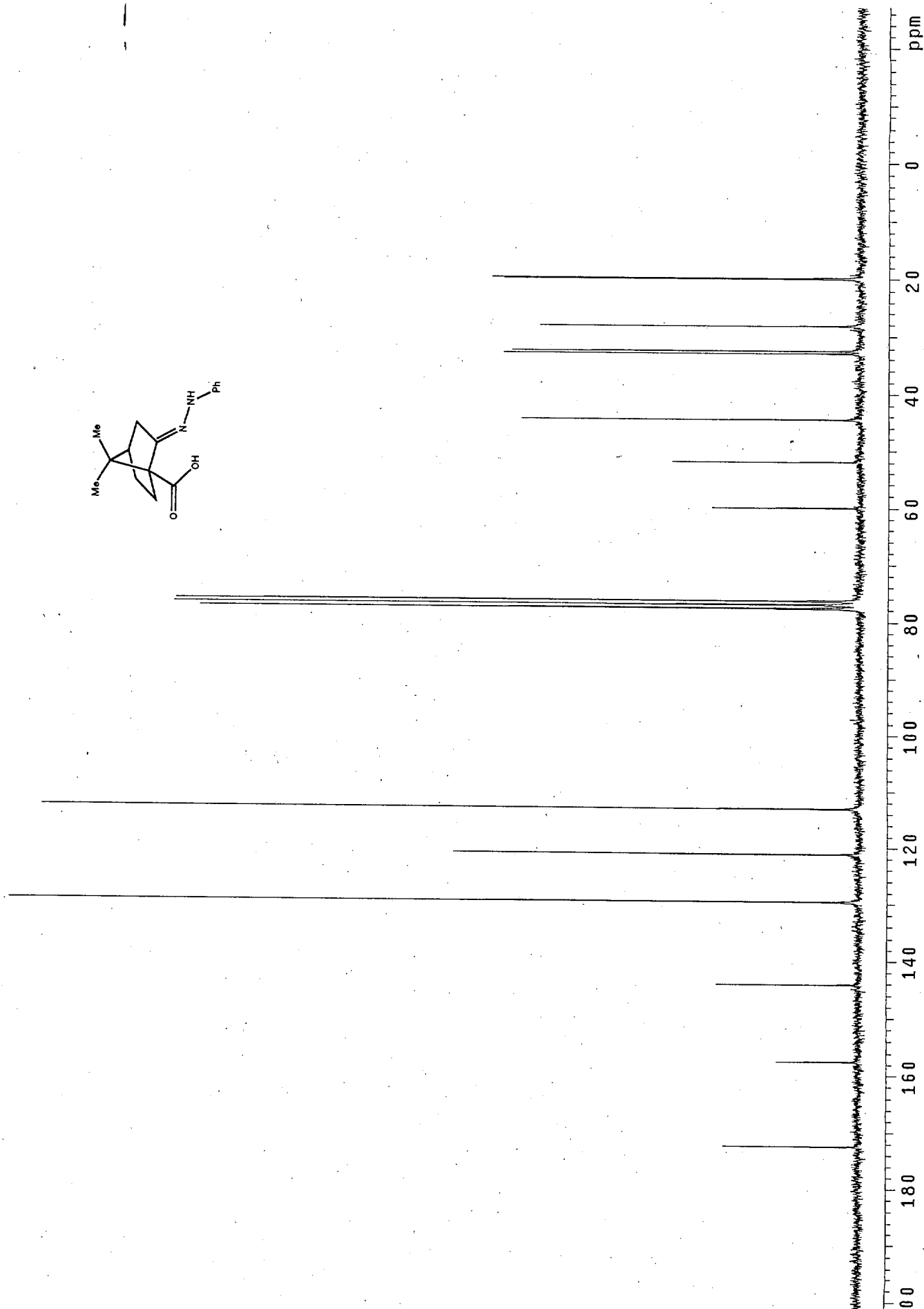
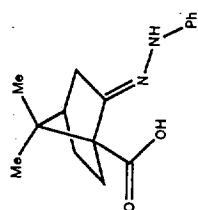
C(43) 90(3) 53(2) 73(2) -3(2) -8(2) 21(2)
 C(44) 158(4) 82(3) 98(3) 13(2) -41(3) 41(3)

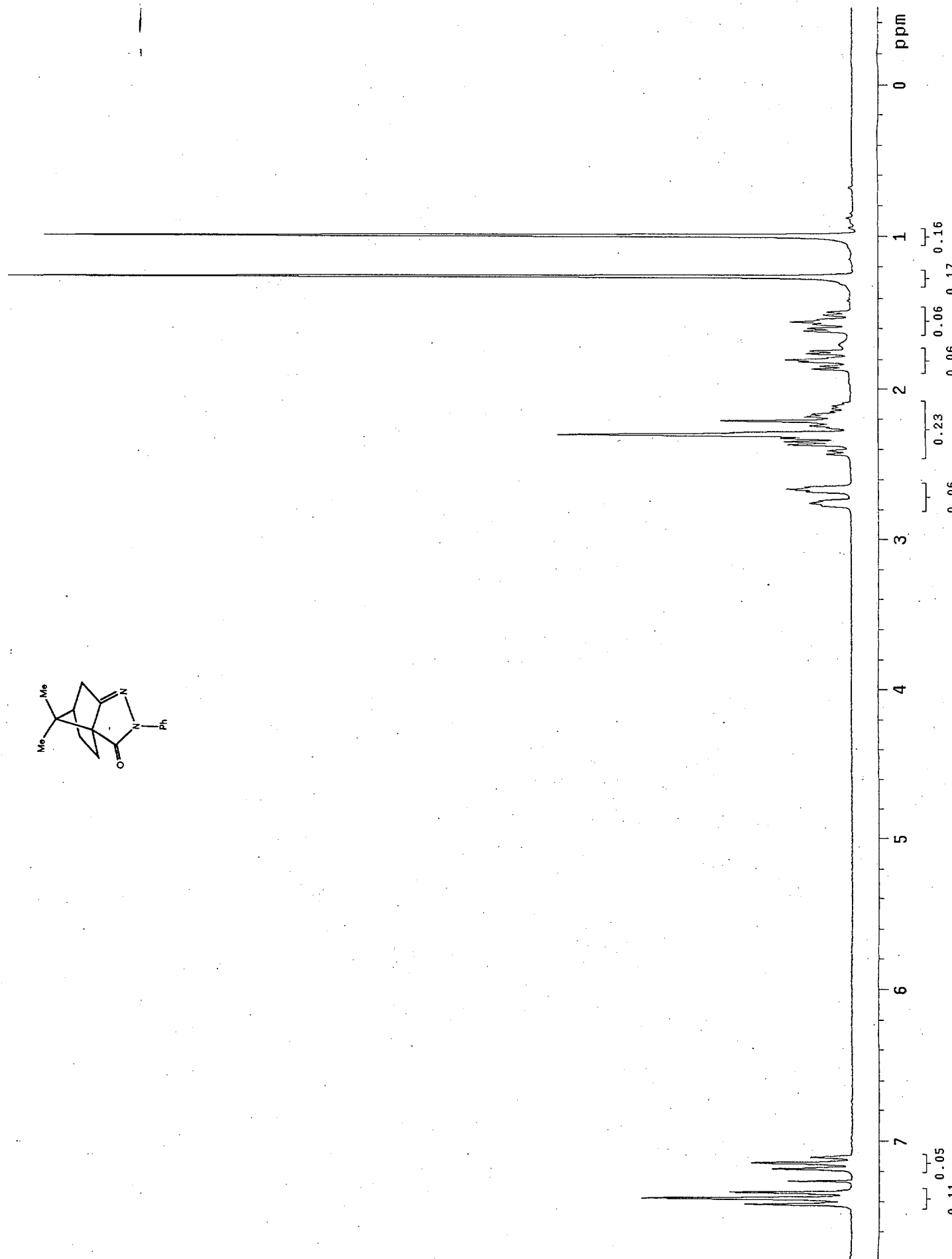
Table 3. Hydrogen coordinates ($\times 10^4$) and isotropic displacement parameters ($\text{\AA}^2 \times 10^3$) for IC6498.H

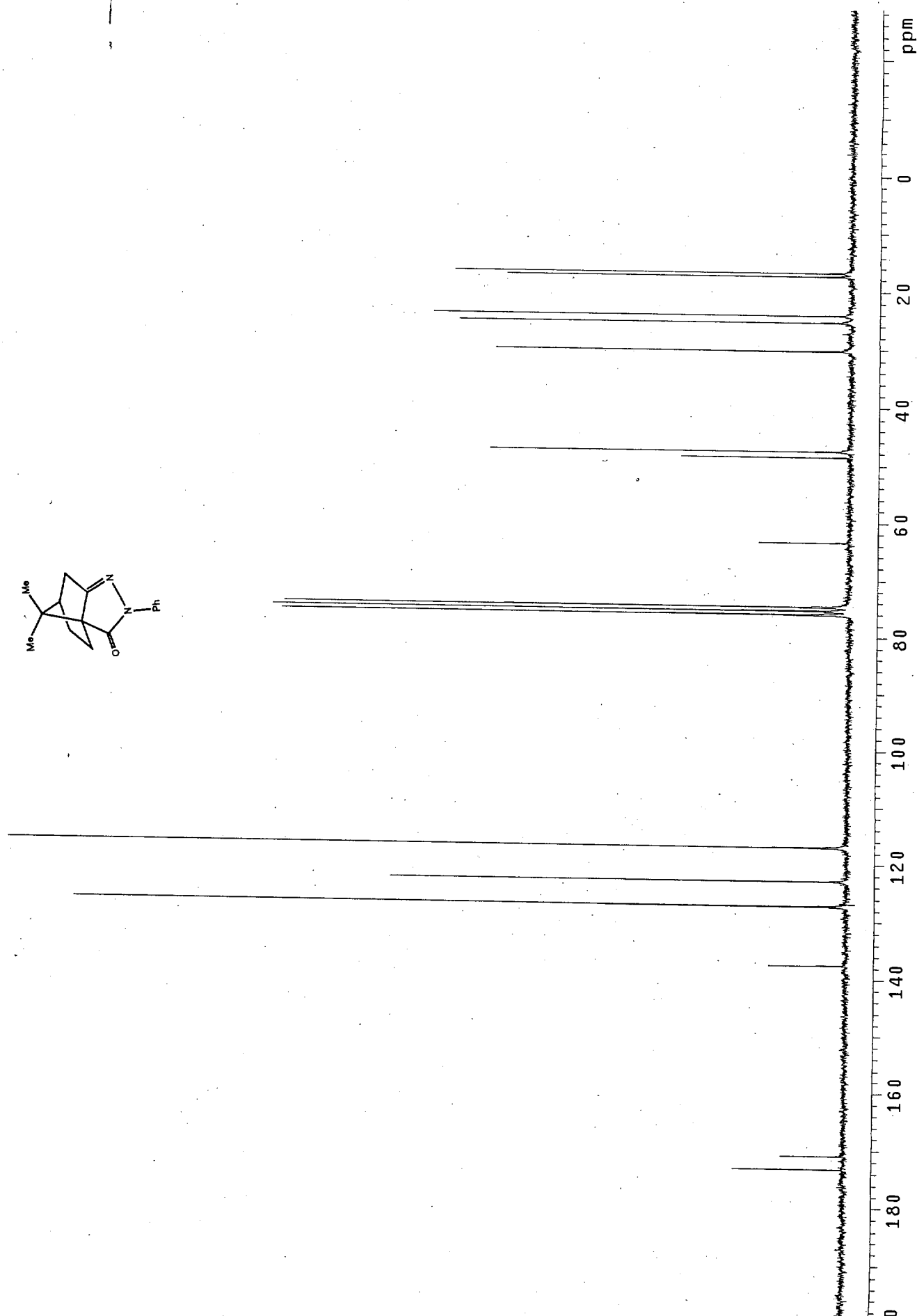
	x	y	z	U(eq)
H(3A)	645(2)	1253(2)	1387(1)	94
H(3B)	-877(3)	3765(3)	291(1)	55
H(4A)	-240(3)	3764(3)	915(1)	68
H(4B)	360(3)	4774(3)	665(1)	68
H(5A)	-1402(3)	5873(3)	1026(1)	68
H(6A)	-1064(4)	6606(3)	464(1)	81
H(6B)	-2479(4)	7110(3)	625(1)	81
H(7A)	-3816(4)	5764(3)	322(1)	73
H(7B)	-2410(4)	5349(3)	144(1)	73
H(9A)	-4466(4)	6045(3)	764(1)	109
H(9B)	-4396(4)	5679(3)	1112(1)	109
H(9C)	-5203(4)	4722(3)	884(1)	109
H(10A)	-3852(4)	2899(3)	1084(1)	102
H(10B)	-2826(4)	3765(3)	1289(1)	102
H(10C)	-2189(4)	2778(3)	1044(1)	102
H(12A)	-1625(3)	673(3)	-27(1)	71
H(13A)	-2215(4)	-1265(4)	-296(1)	85
H(14A)	-4178(5)	-2531(3)	-149(1)	92
H(15A)	-5547(4)	-1867(3)	256(1)	87
H(16A)	-4953(3)	34(3)	531(1)	70
H(19A)	1110(3)	1906(3)	297(1)	78
H(19B)	2553(3)	1836(3)	498(1)	78
H(20A)	2553(3)	1072(3)	995(1)	62
H(21A)	1896(4)	-784(3)	1284(1)	75
H(21B)	406(4)	-848(3)	1119(1)	75
H(22A)	1924(5)	-2459(4)	914(1)	142
H(22B)	3029(5)	-1330(4)	826(1)	142
H(22C)	1538(5)	-1393(4)	662(1)	142
H(6C)	3302(2)	3708(2)	1238(1)	101
H(25A)	6285(3)	897(3)	2234(1)	48
H(26A)	6066(3)	1983(3)	1646(1)	62
H(26B)	7282(3)	2277(3)	1889(1)	62
H(27A)	8148(3)	819(3)	1452(1)	67
H(28A)	9140(3)	626(3)	2002(1)	79
H(28B)	9484(3)	-592(3)	1780(1)	79
H(29A)	8026(3)	-1976(3)	2051(1)	69
H(29B)	7797(3)	-793(3)	2290(1)	69
H(31A)	8126(4)	-2201(4)	1582(1)	115
H(31B)	7614(4)	-1808(4)	1252(1)	115
H(31C)	6628(4)	-2689(4)	1463(1)	115
H(32A)	4873(3)	467(3)	1456(1)	100
H(32B)	4669(3)	-1079(3)	1387(1)	100
H(32C)	5660(3)	-198(3)	1177(1)	100
H(34A)	2060(3)	-2630(3)	2055(1)	72
H(35A)	303(4)	-3226(4)	2404(1)	93
H(36A)	-146(4)	-1888(4)	2817(1)	93
H(37A)	1158(4)	57(4)	2894(1)	83
H(38A)	2956(3)	650(3)	2554(1)	64

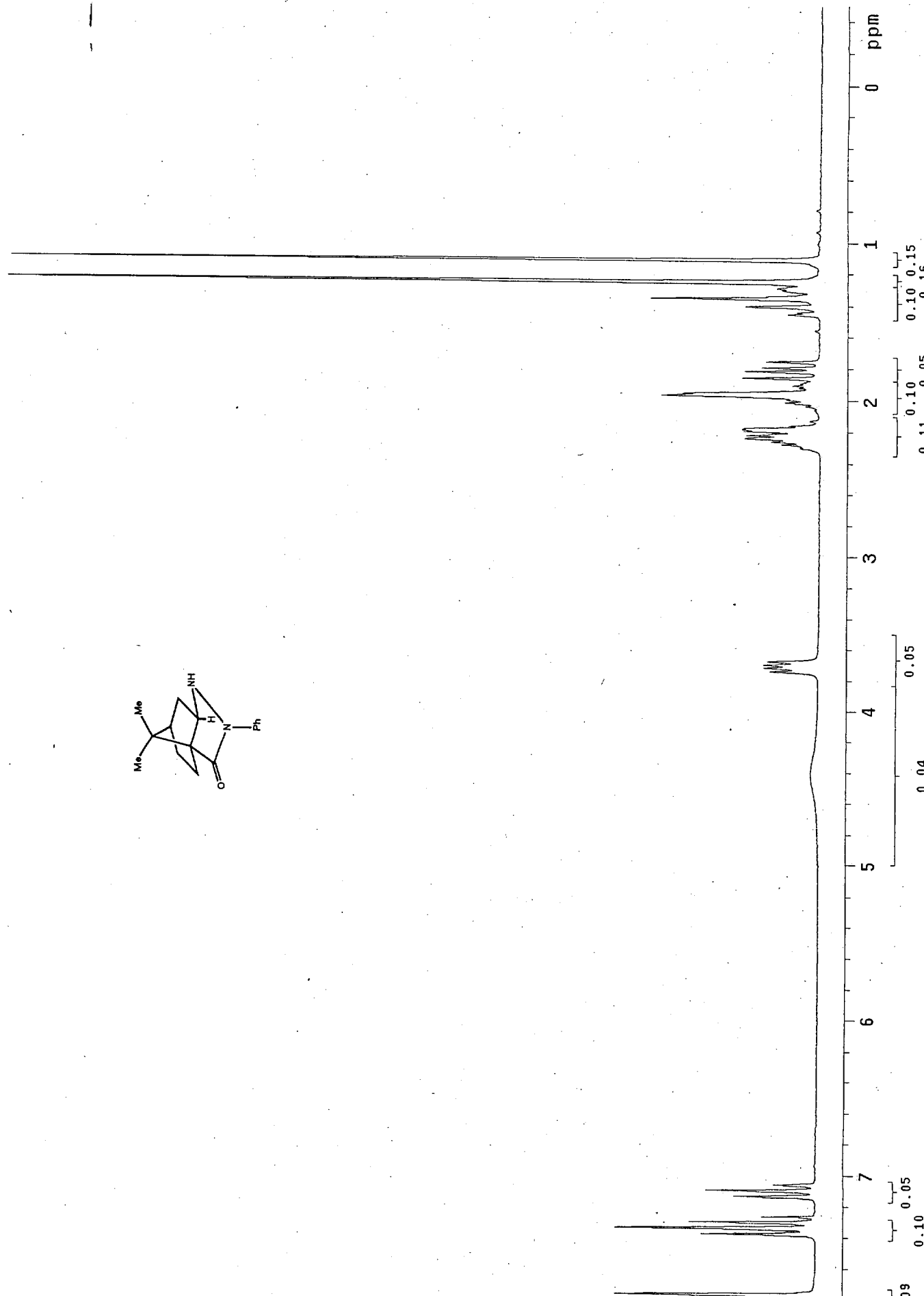
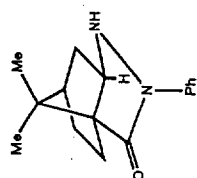
H(41B)	4706(4)	4460(3)	2180(1)	79
H(42A)	4130(3)	4676(3)	1652(1)	61
H(43A)	1913(4)	5038(3)	1897(1)	86
H(43B)	1227(4)	3939(3)	1683(1)	86
H(44A)	772(5)	6096(4)	1485(1)	169
H(44B)	1733(5)	5291(4)	1254(1)	169
H(44C)	2421(5)	6388(4)	1467(1)	169

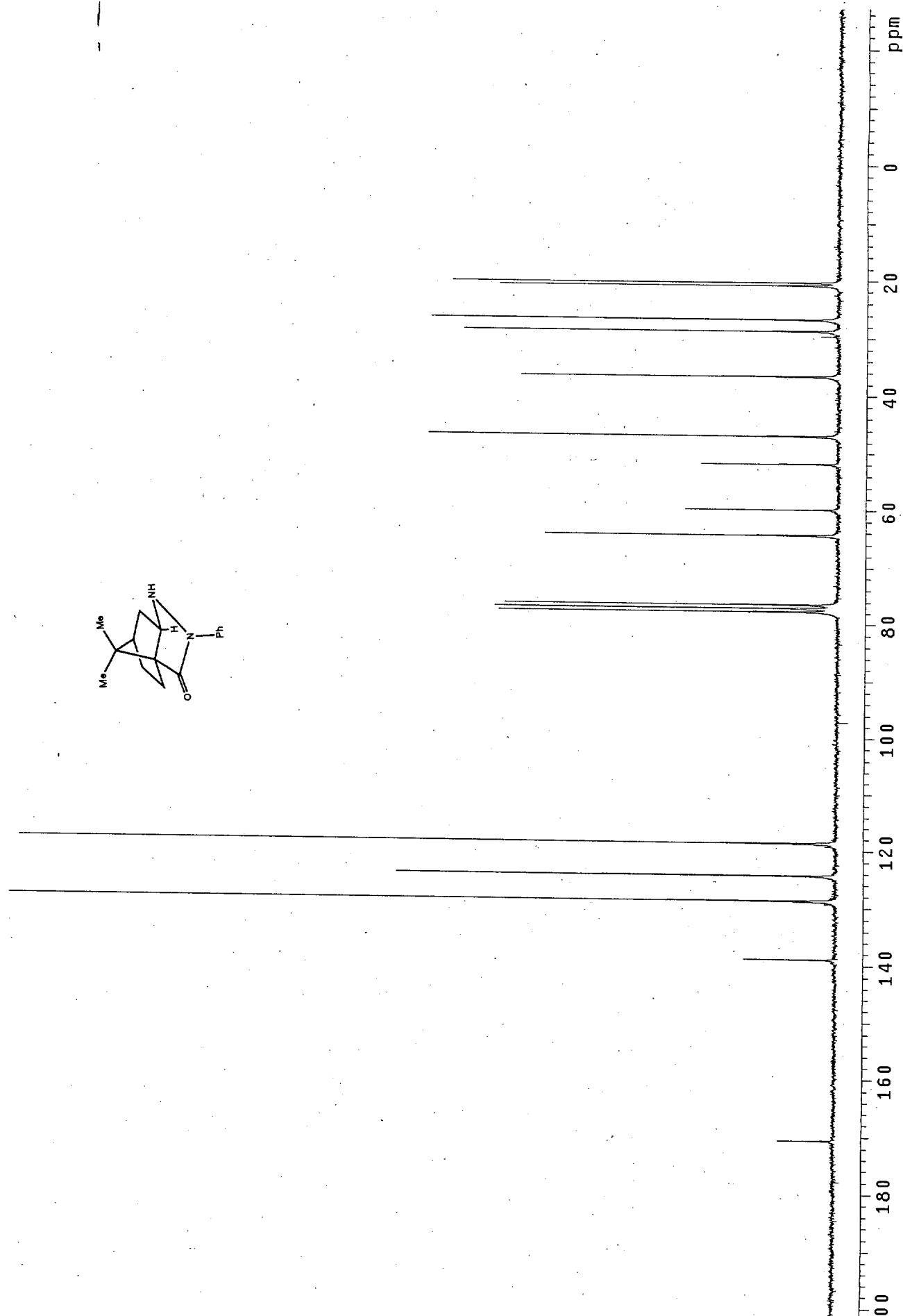


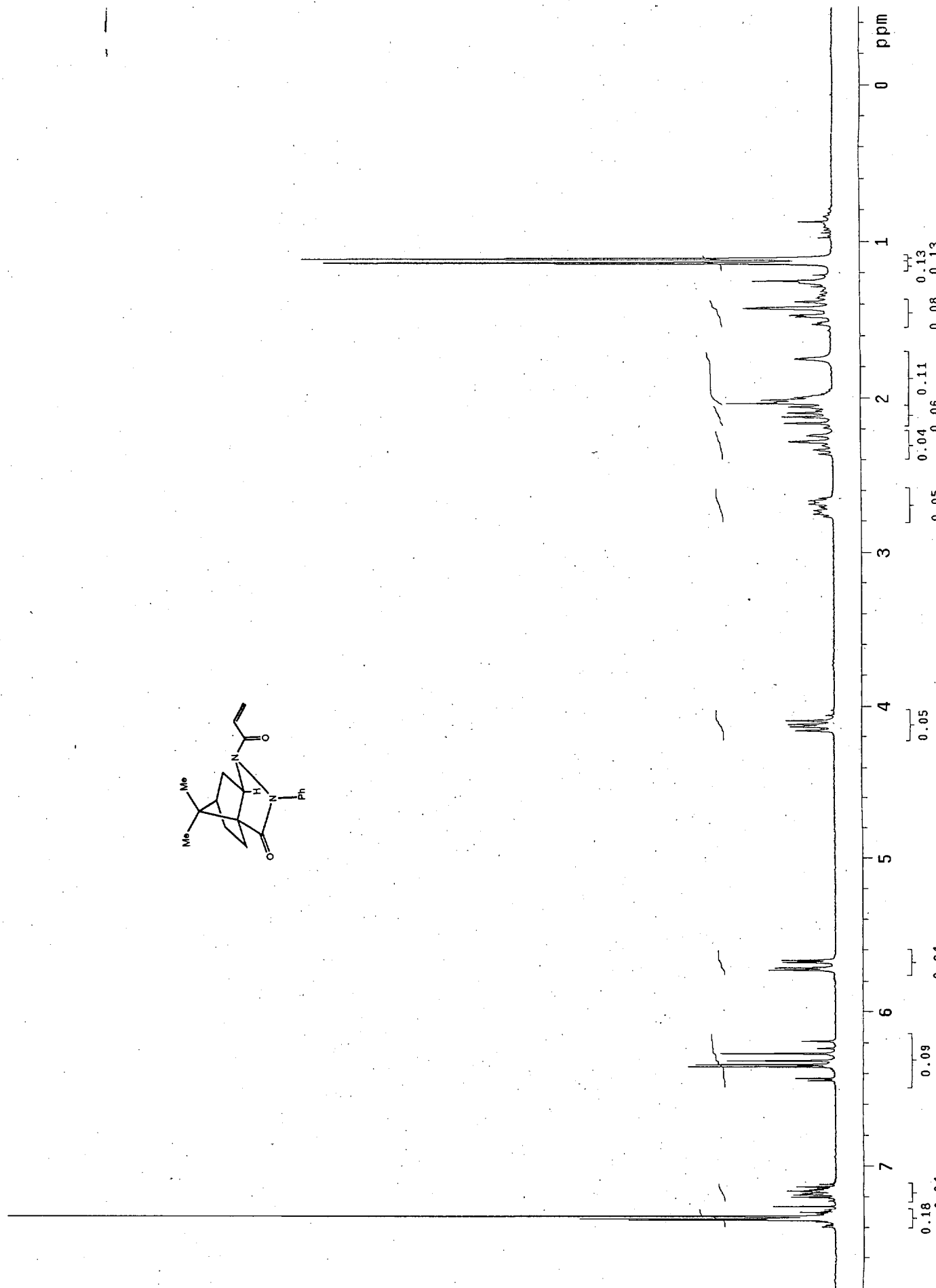
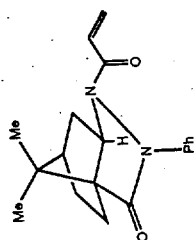


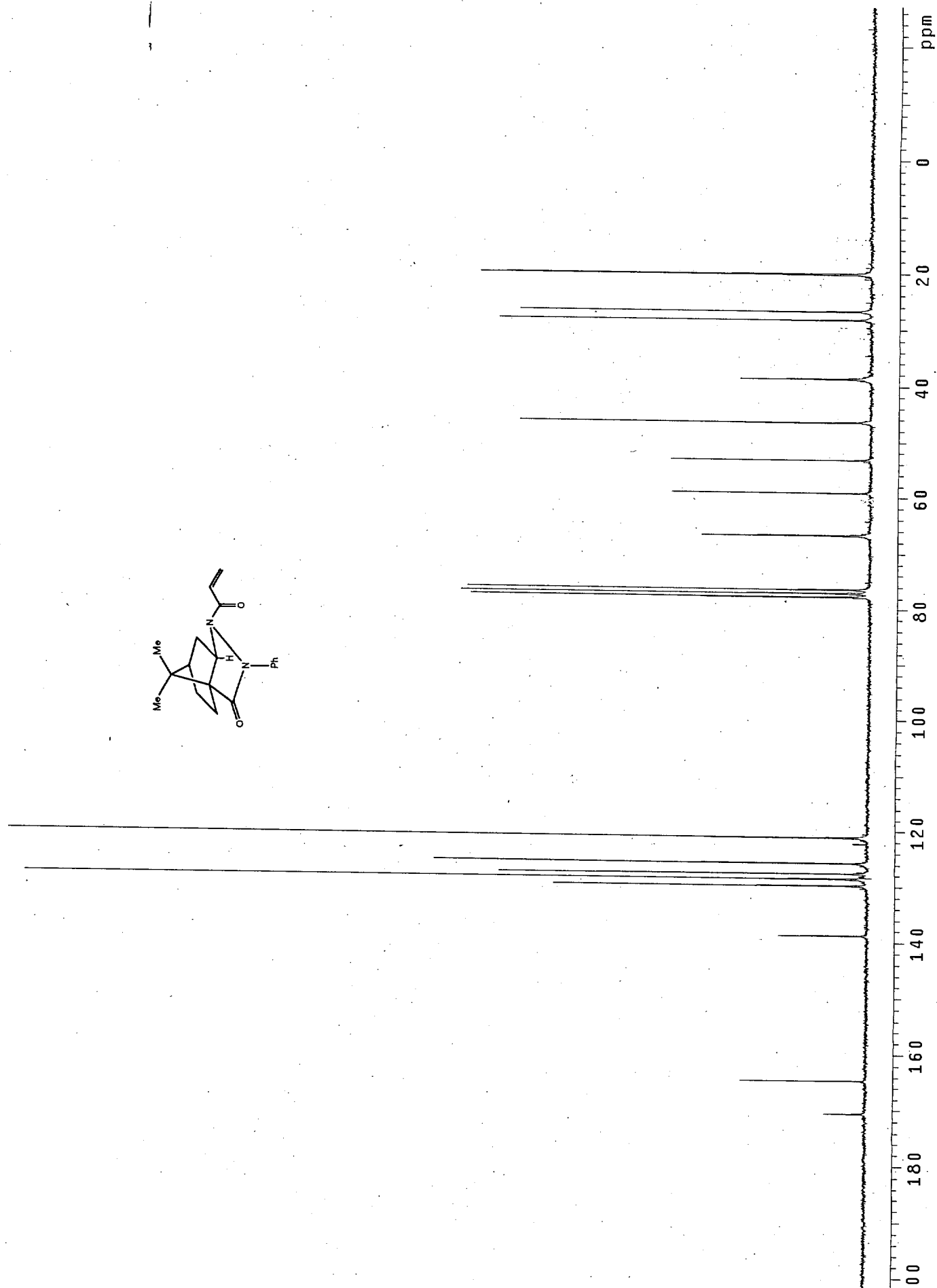


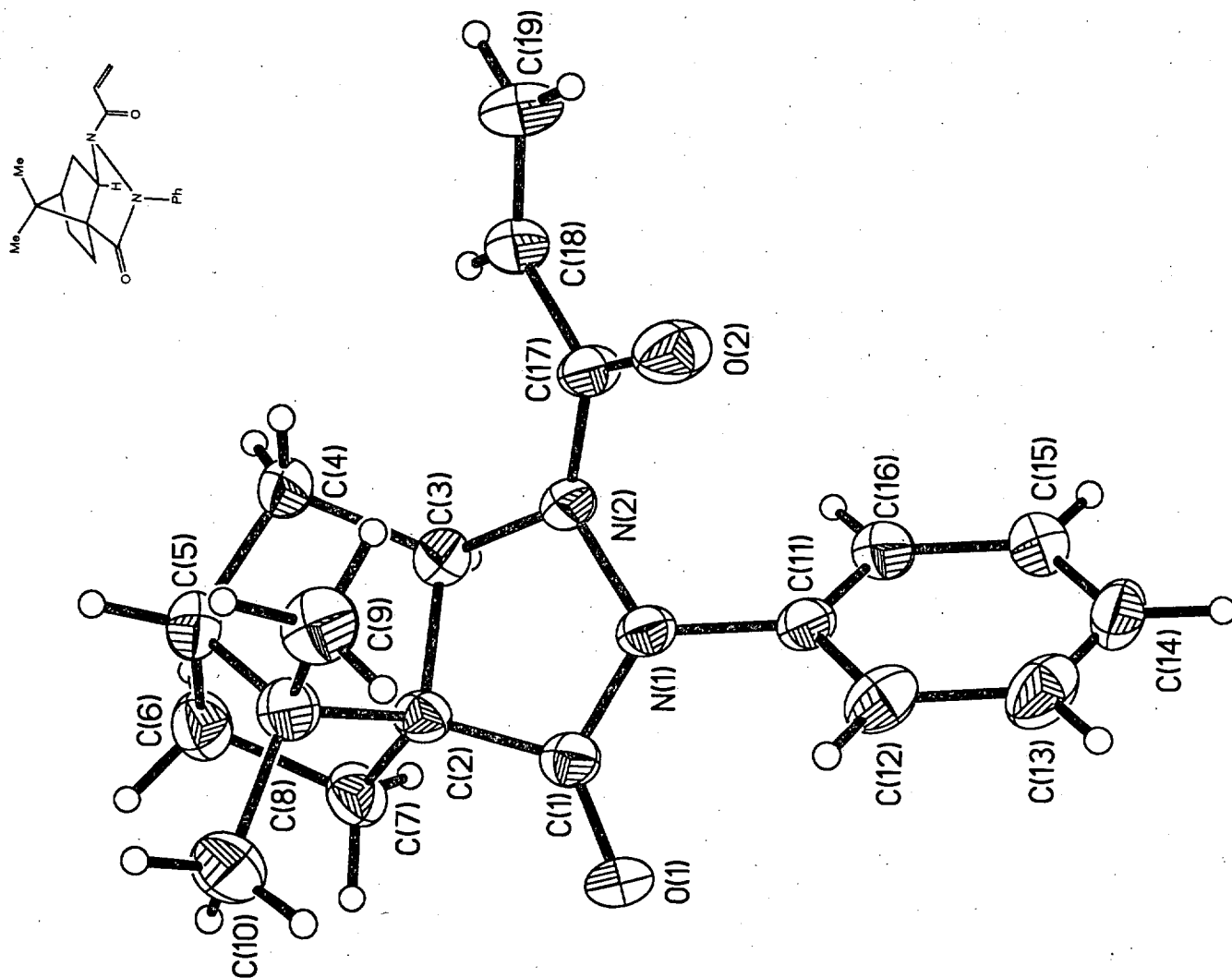


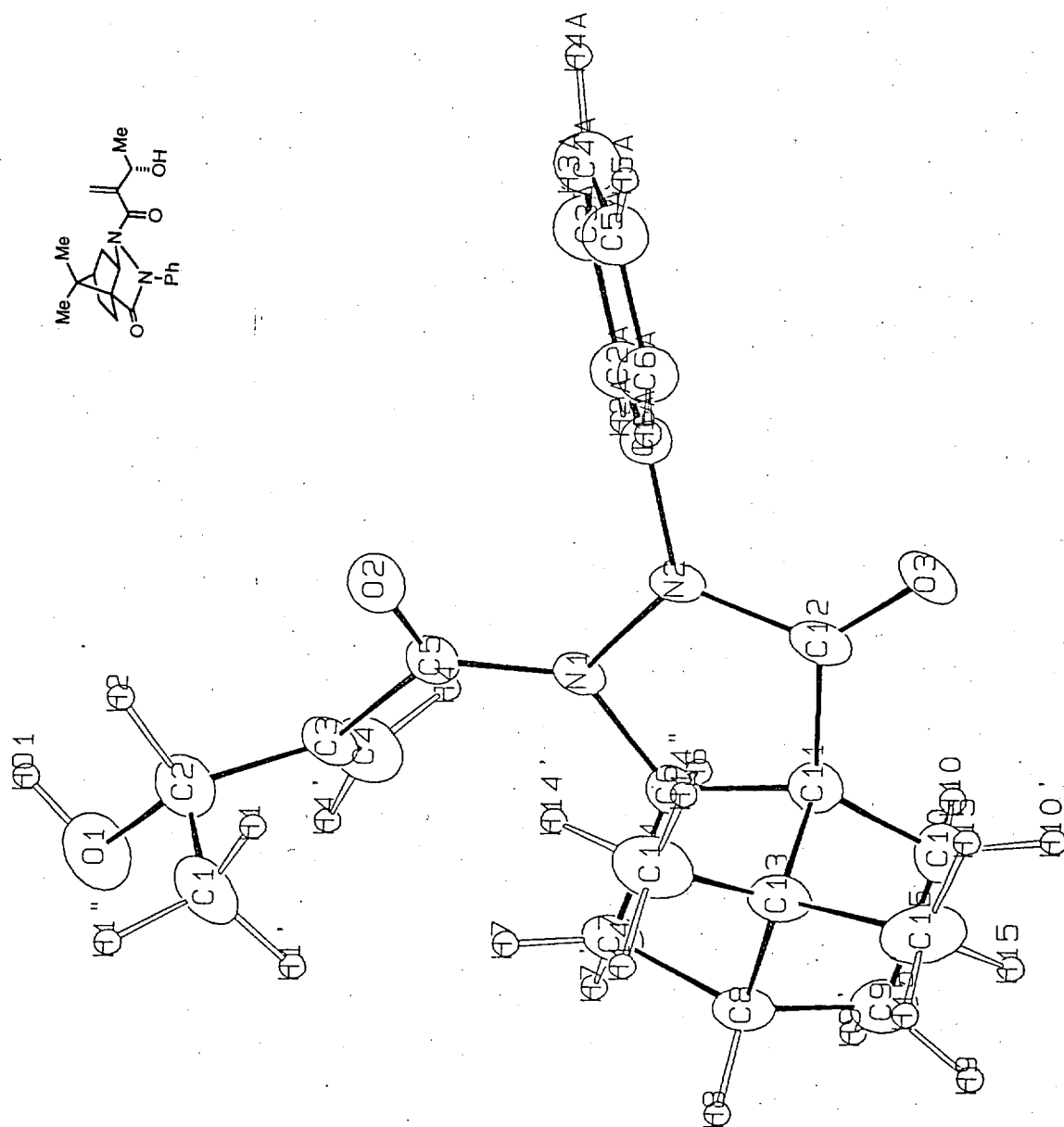












IC6498 in P2₁2₁2₁

