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SUPPLEMENTARY MATERIAL FOR:

A Chemoenzymatic Route to the (+)-Form of the Amaryllidaceae Alkaloid Narseronine

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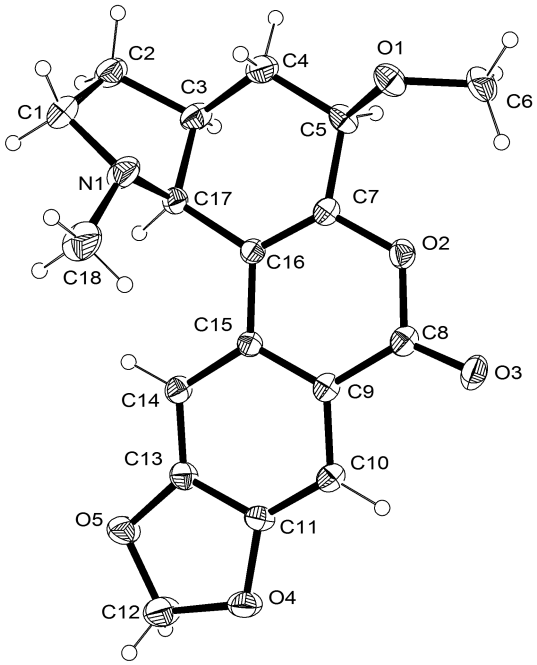


Figure S1: Structure of compound (+)-**2** (CCDC 1020370) with labelling of selected atoms. Anisotropic displacement ellipsoids show 30% probability levels. Hydrogen atoms are drawn as circles with small radii.

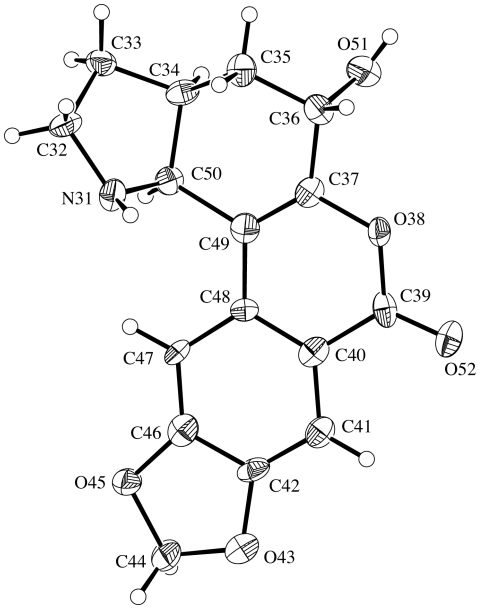


Figure S2: Structure of molecule 2 compound **20** (CCDC 944982) with labelling of selected atoms. Anisotropic displacement ellipsoids show 30% probability levels. Hydrogen atoms are drawn as circles with small radii.

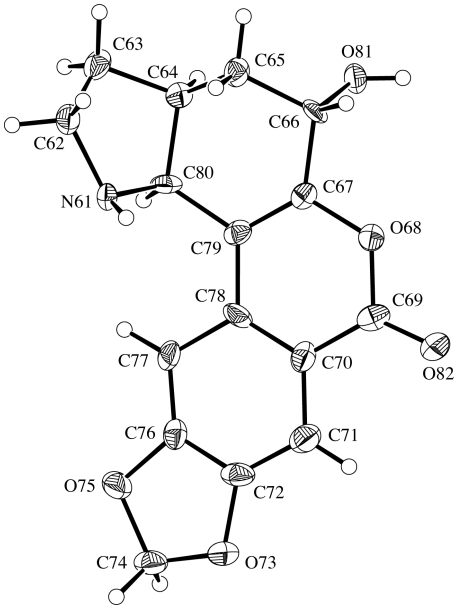


Figure S3: Structure of molecule 3 compound **20** (CCDC 944982) with labelling of selected atoms. Anisotropic displacement ellipsoids show 30% probability levels. Hydrogen atoms are drawn as circles with small radii.

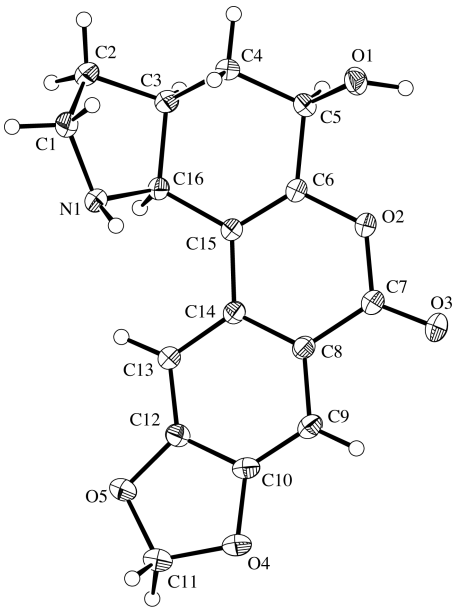


Figure S4: Structure of compound **22** (CCDC 948651) with labelling of selected atoms. Anisotropic displacement ellipsoids show 30% probability levels. Hydrogen atoms are drawn as circles with small radii.

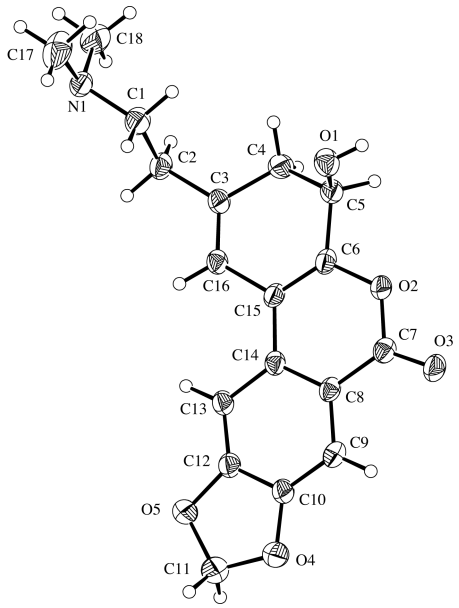
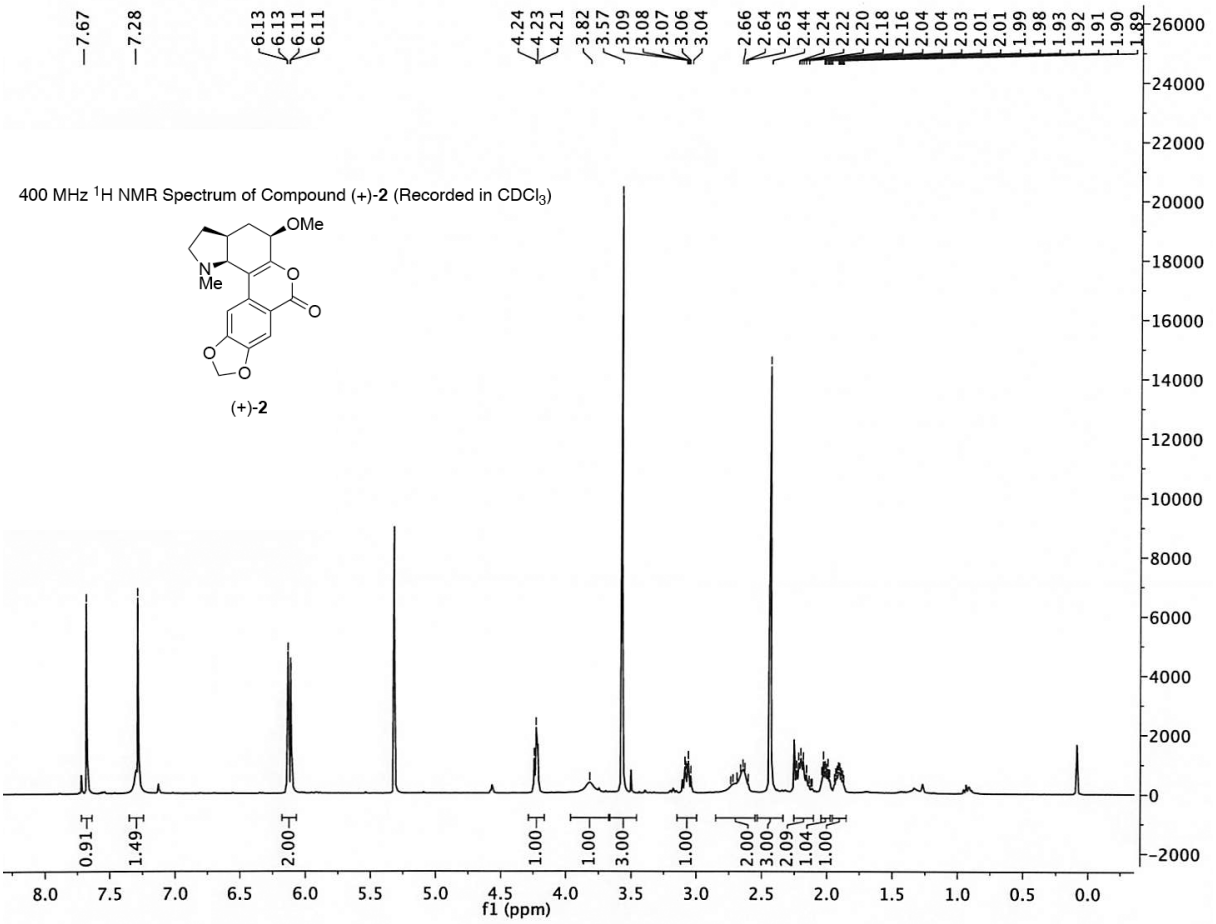
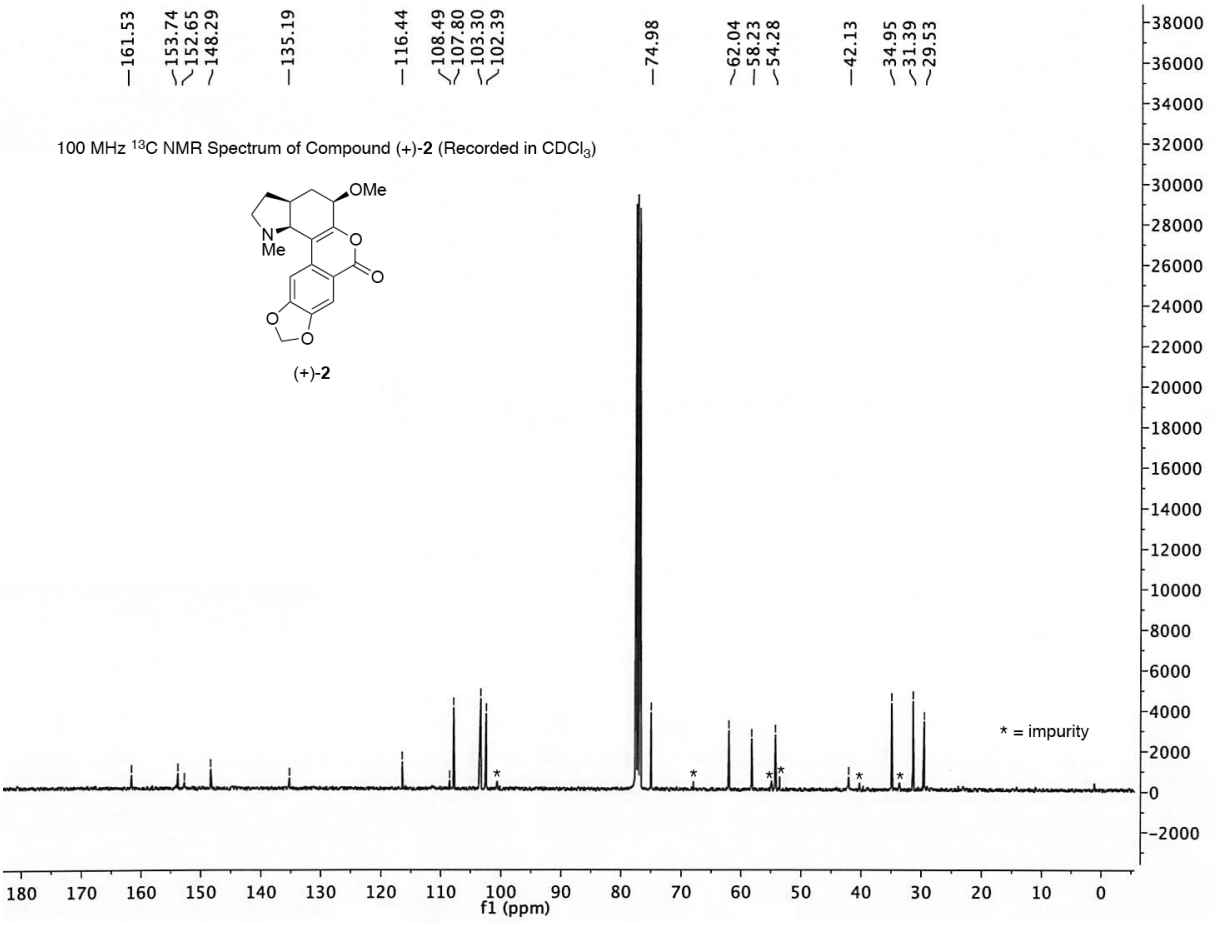
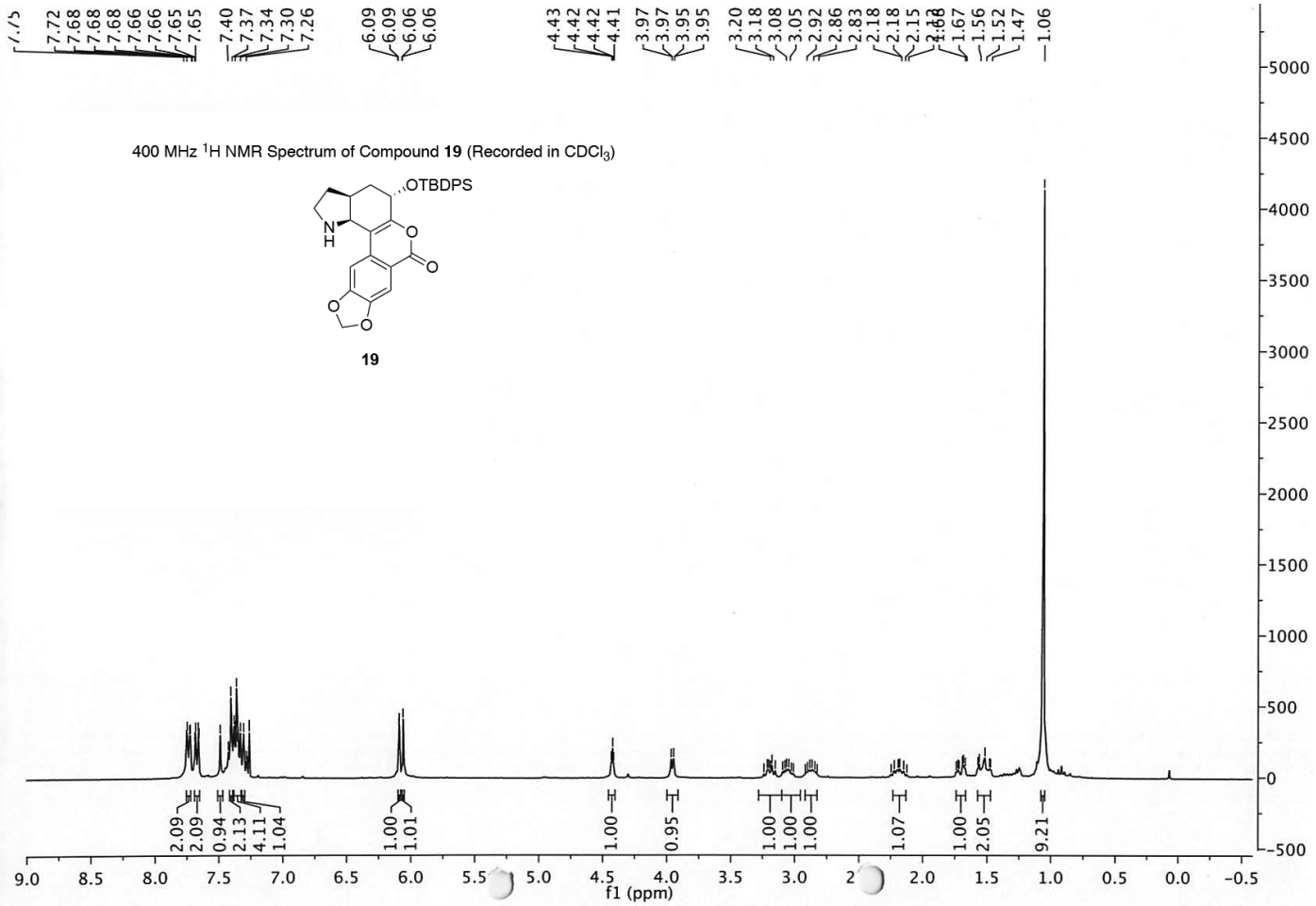
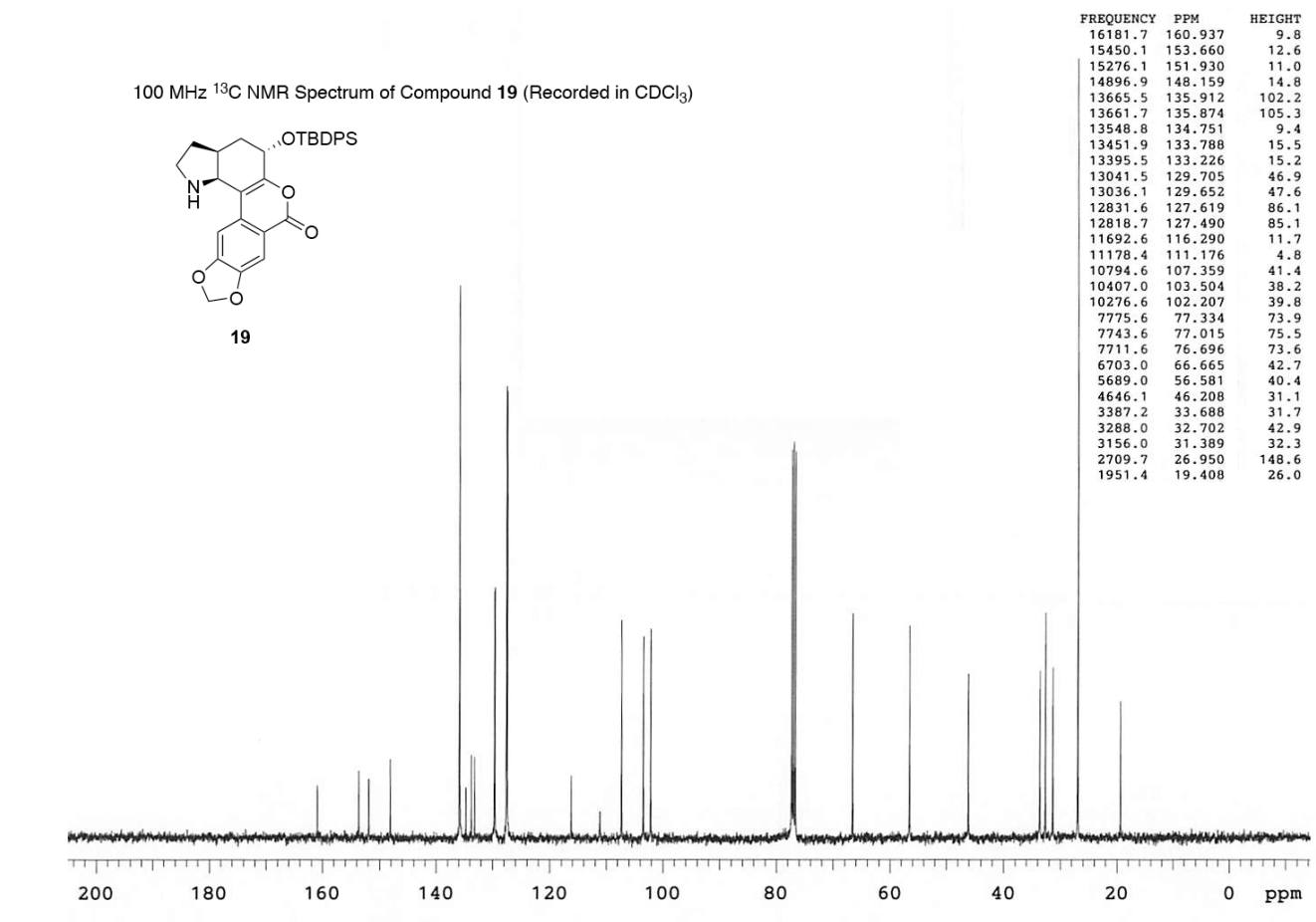


Figure S5: Structure of compound **24** (CCDC 1017935) with labelling of selected atoms. Anisotropic displacement ellipsoids show 30% probability levels. Hydrogen atoms are drawn as circles with small radii.


400 MHz ^{1}H NMR Spectrum of Compound (+)-2 (Recorded in $CDCl_3$)
OMe
N
Me
O
O
O
O
(+)-2
f1 (ppm)

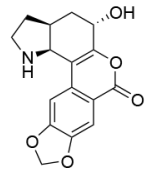

100 MHz ^{13}C NMR Spectrum of Compound (+)-2 (Recorded in $CDCl_3$)
OMe
N
Me
O
O
O
O
(+)-2
* = impurity
f1 (ppm)





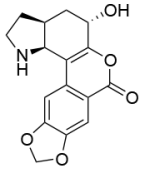
FREQUENCY	PPM	HEIGHT
16181.7	160.937	9.8
15450.1	153.660	12.6
15276.1	151.930	11.0
14896.9	148.159	14.8
13665.5	135.912	102.2
13661.7	135.874	105.3
13548.8	134.751	9.4
13451.9	133.788	15.5
13395.5	133.226	15.2
13041.5	129.705	46.9
13036.1	129.652	47.6
12831.6	127.619	86.1
12818.7	127.490	85.1
11692.6	116.290	11.7
11178.4	111.176	4.8
10794.6	107.359	41.4
10407.0	103.504	38.2
10276.6	102.207	39.8
7775.6	77.334	73.9
7743.6	77.015	75.5
7711.6	76.696	73.6
6703.0	66.665	42.7
5689.0	56.581	40.4
4646.1	46.208	31.1
3387.2	33.688	31.7
3288.0	32.702	42.9
3156.0	31.389	32.3
2709.7	26.950	148.6
1951.4	19.408	26.0

400 MHz ^{1}H NMR Spectrum of Compound **20** (Recorded in $CDCl_3$)

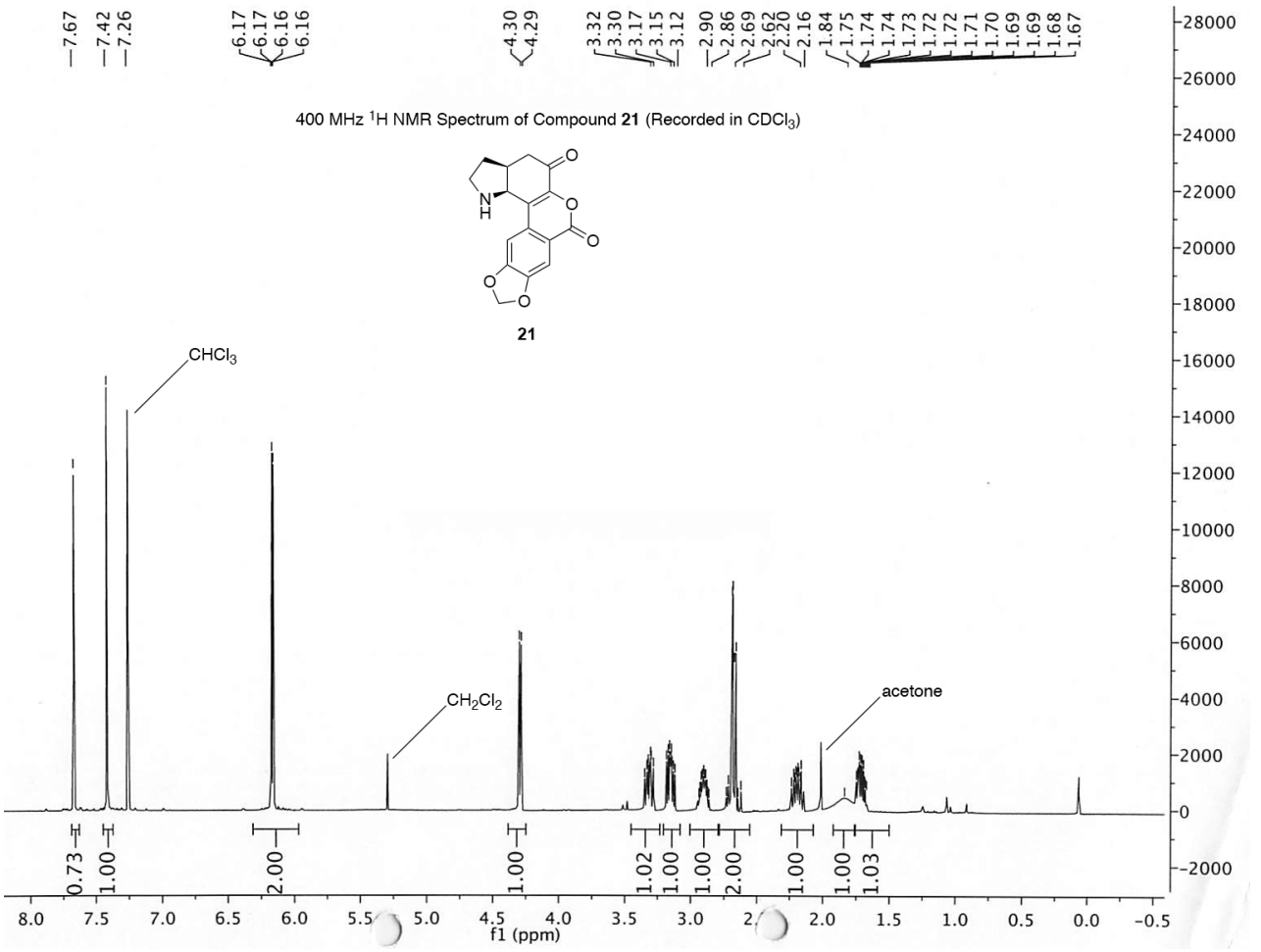


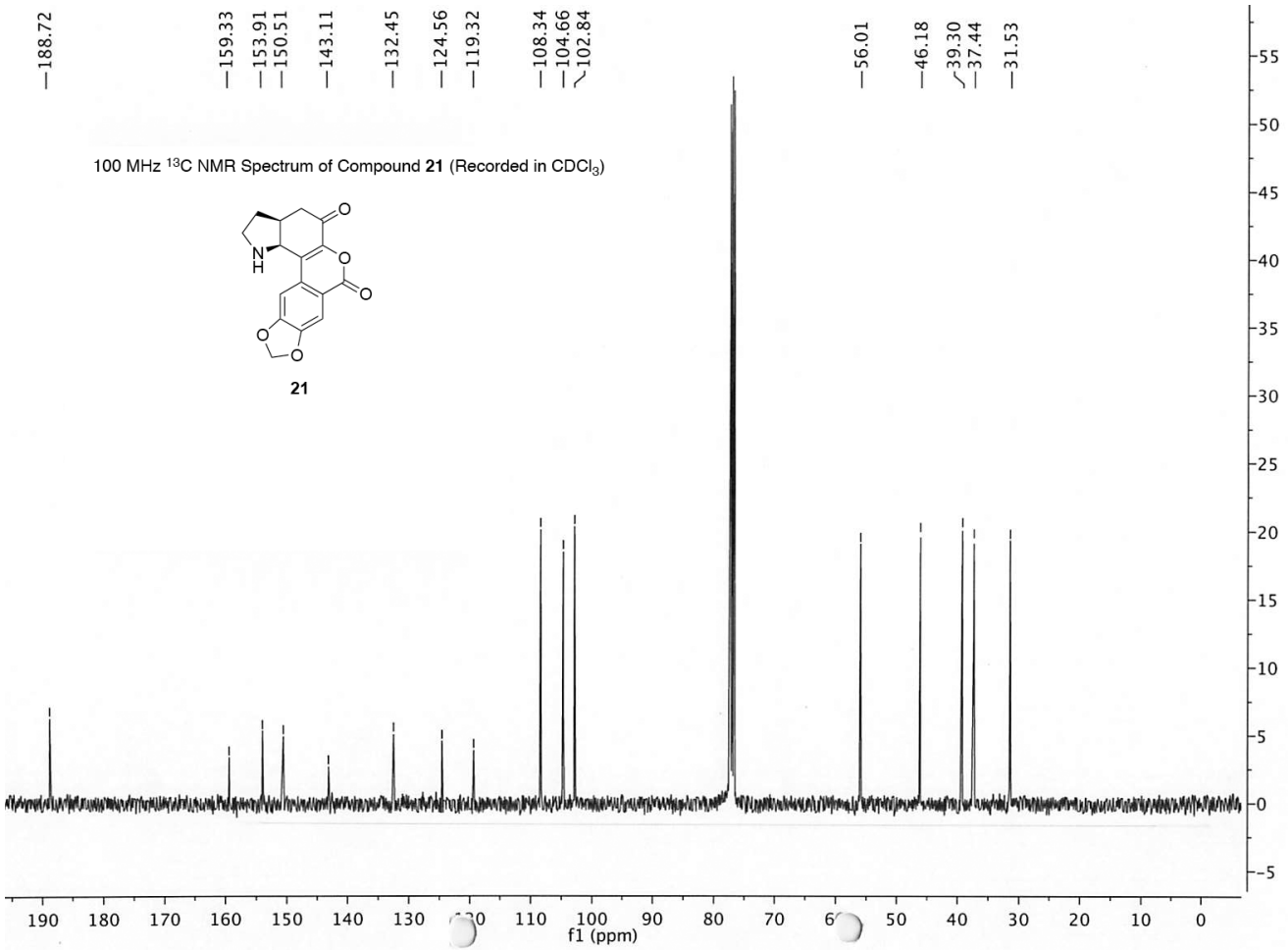
20

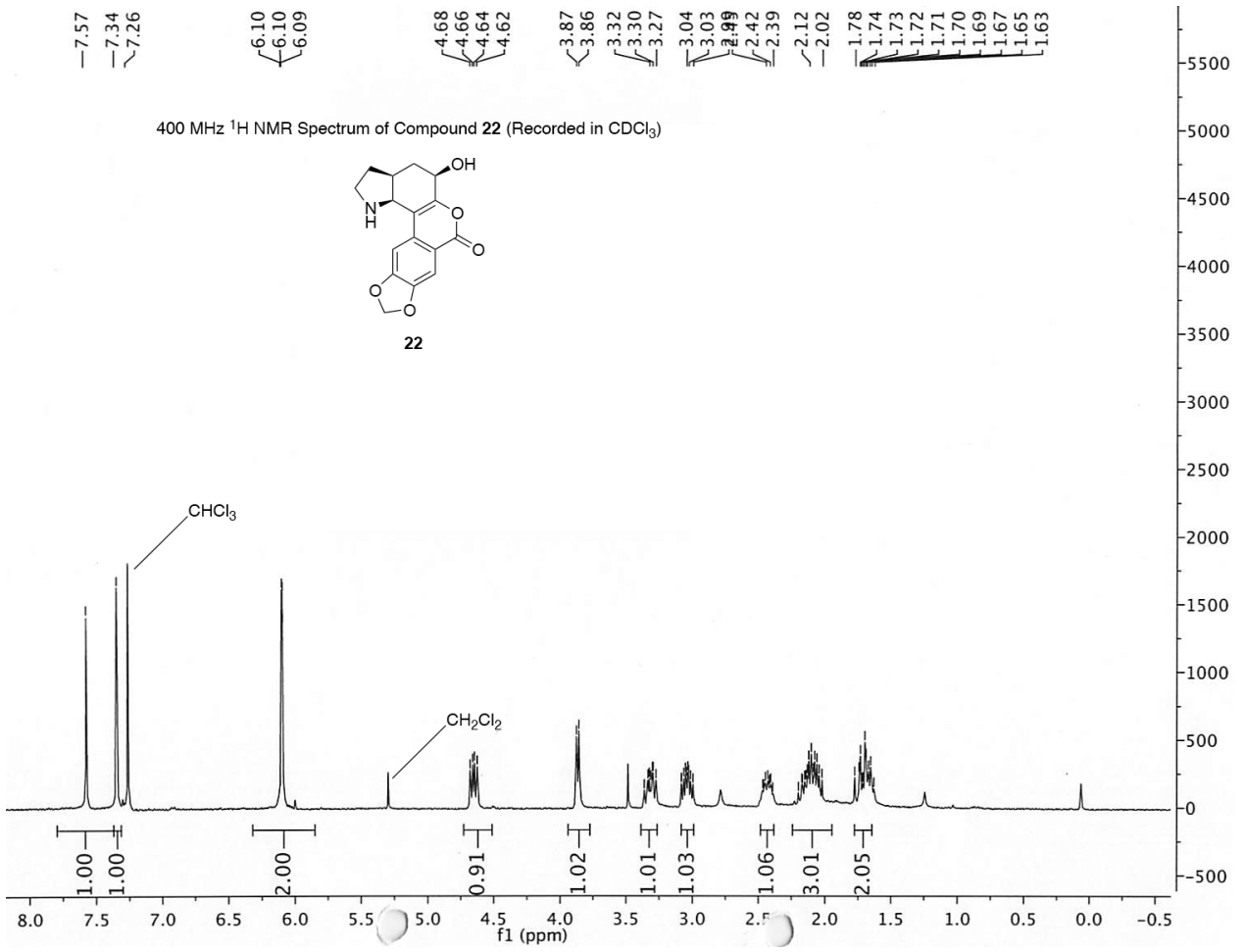
100 MHz ^{13}C NMR Spectrum of Compound **20** (Recorded in $CDCl_3$)

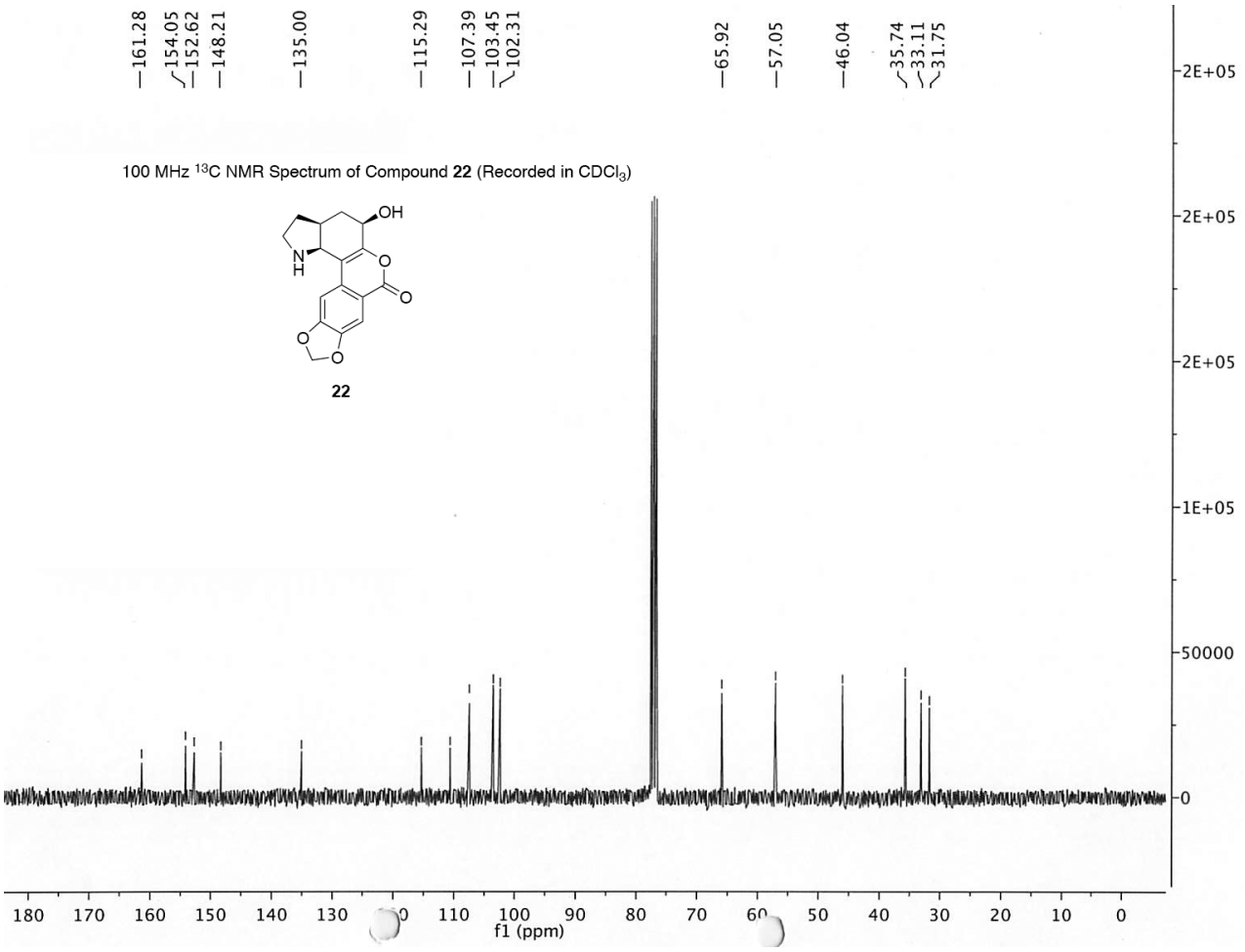


20


7.67
7.42
7.26
6.17
6.17
6.16
6.16
4.30
4.29
3.32
3.30
3.17
3.15
3.12
2.90
2.86
2.69
2.62
2.20
2.16
1.84
1.75
1.74
1.74
1.73
1.72
1.72
1.71
1.70
1.69
1.69
1.68
1.67
400 MHz ^{1}H NMR Spectrum of Compound **21** (Recorded in $CDCl_3$)
21
$CHCl_3$
CH_2Cl_2
acetone
0.73
1.00
2.00
1.00
1.02
1.00
1.00
2.00
1.00
1.00
1.03
f1 (ppm)


188.72
159.33
153.91
150.51
143.11
132.45
124.56
119.32
108.34
104.66
102.84
56.01
46.18
39.30
37.44
31.53
100 MHz ^{13}C NMR Spectrum of Compound **21** (Recorded in $CDCl_3$)
21
f1 (ppm)


400 MHz ^{1}H NMR Spectrum of Compound **22** (Recorded in $CDCl_3$)
22
$CHCl_3$
CH_2Cl_2
f1 (ppm)


100 MHz ^{13}C NMR Spectrum of Compound **22** (Recorded in $CDCl_3$)
22
f1 (ppm)