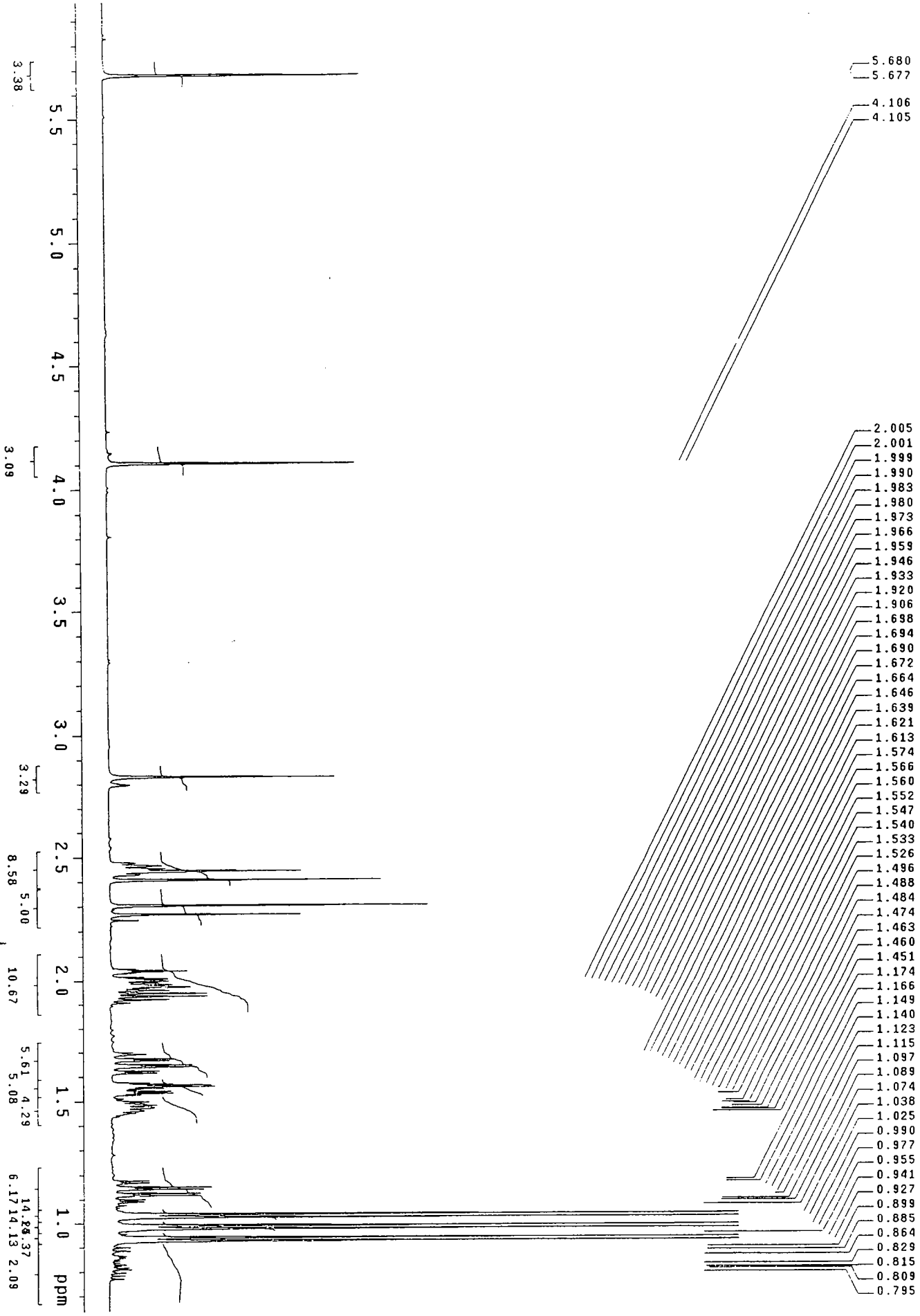
SI

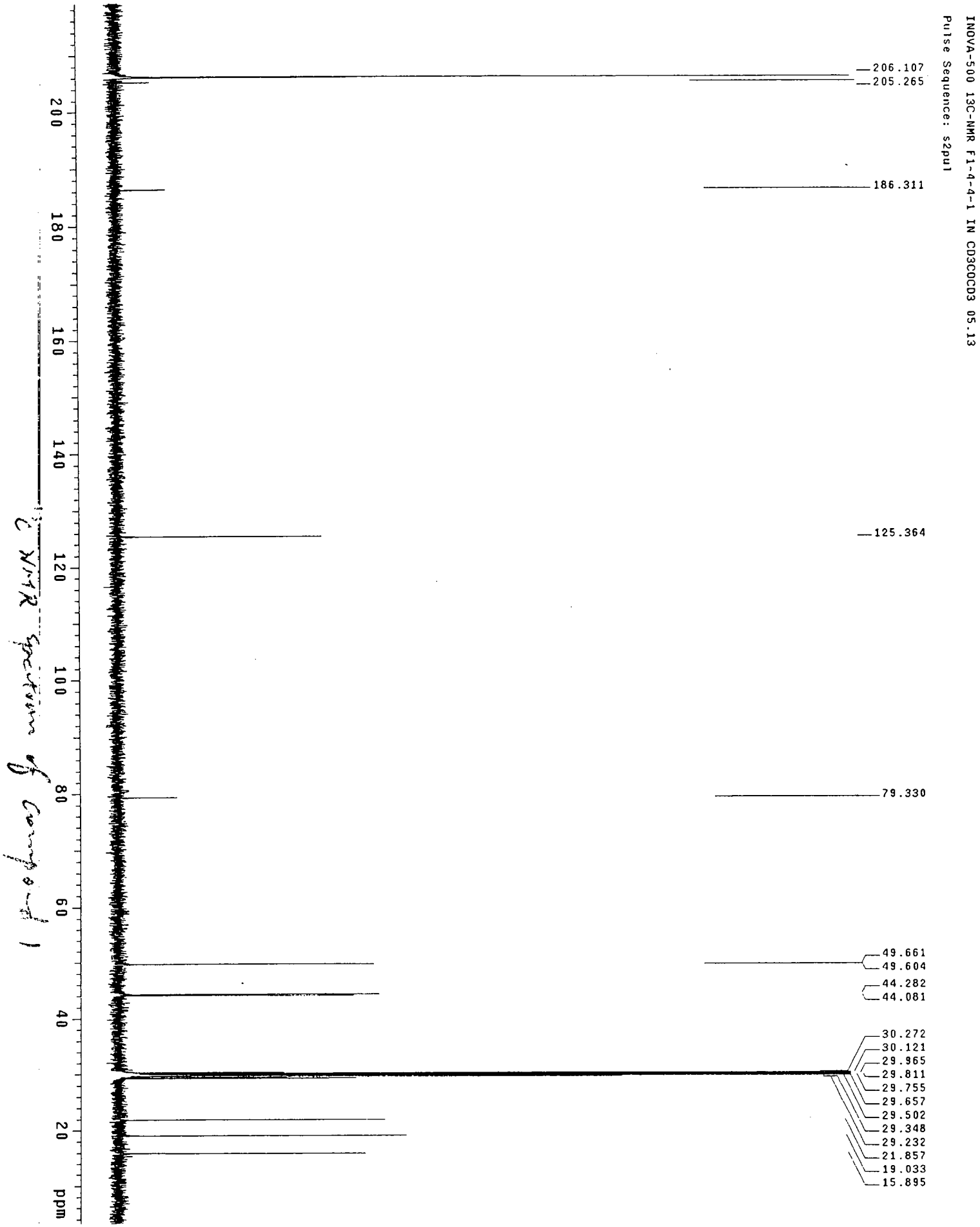
Supporting Information Section

(^{1}H, ^{13}C NMR and DEPT spectra of compounds 1-4;

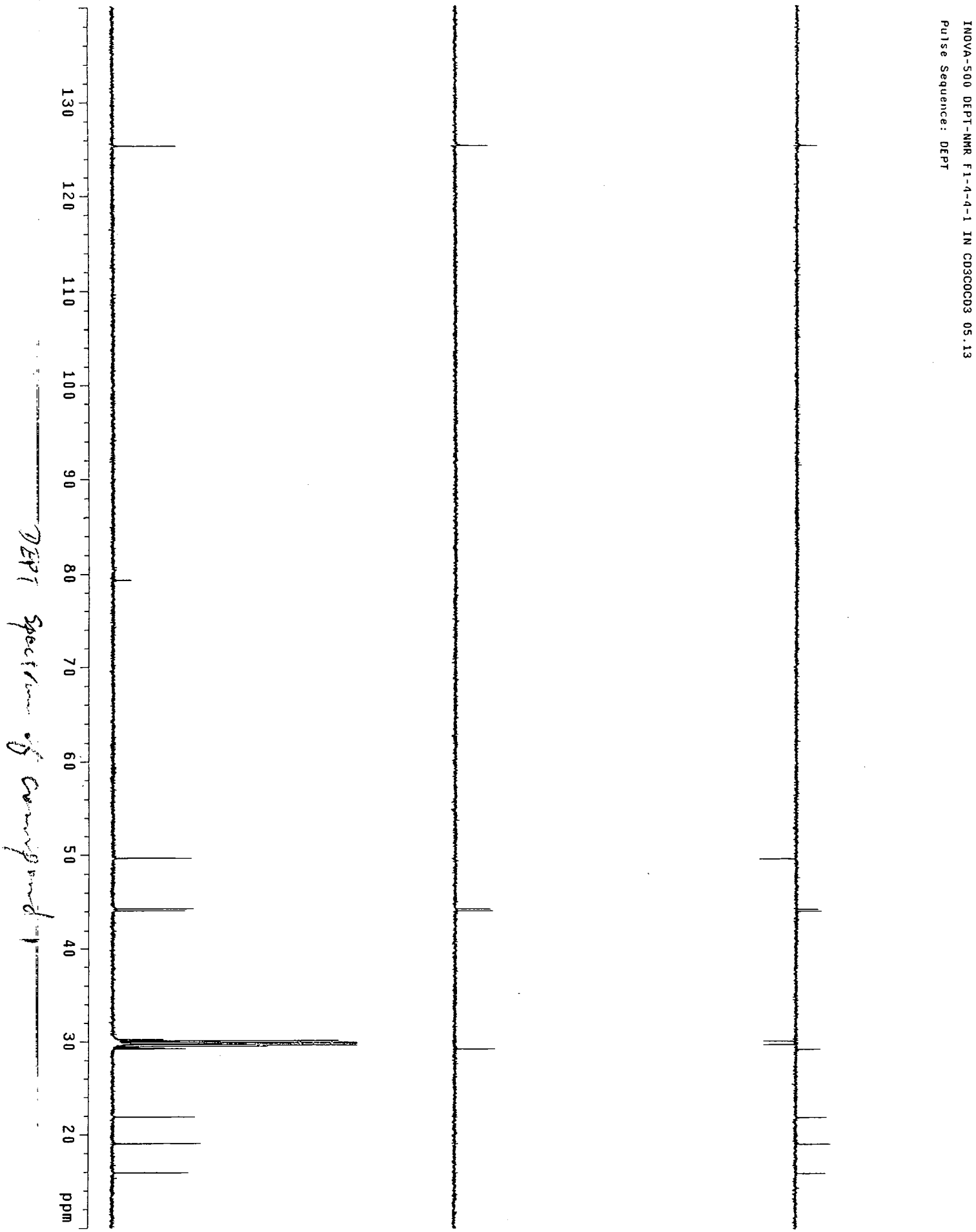
X-ray crystallographic data of compound 1)



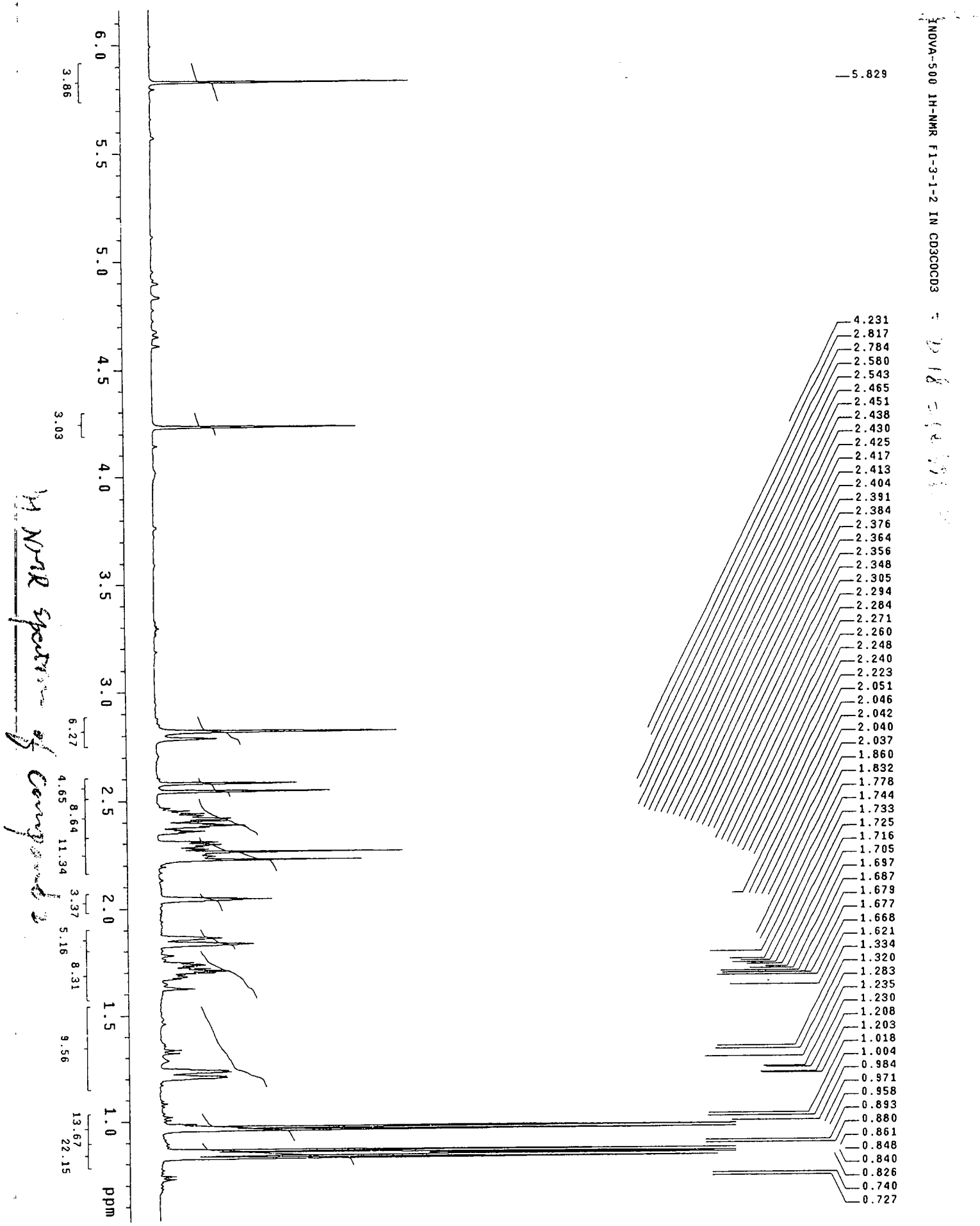
^{1}H NMR Spectrum of Compound 1



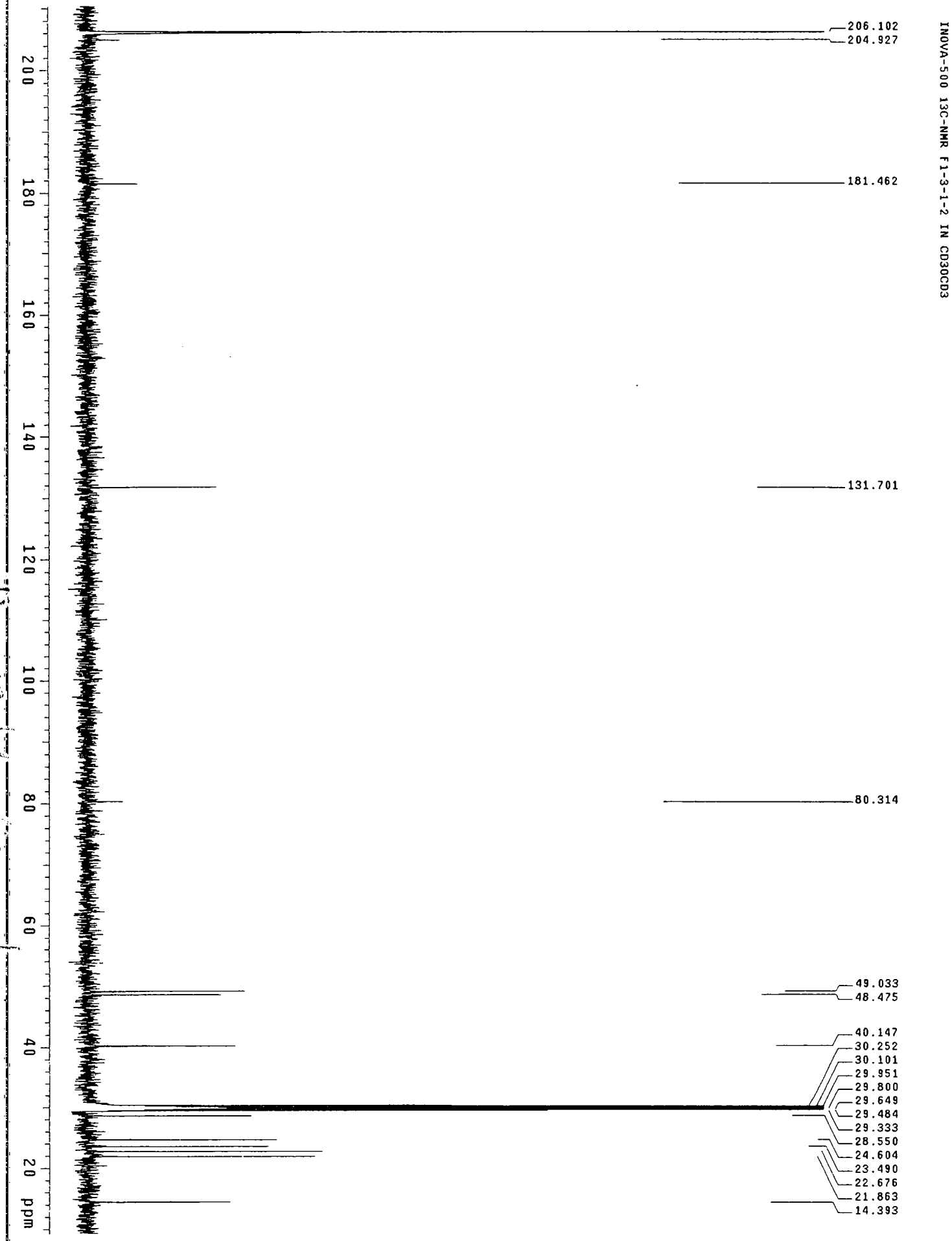
^{13}C NMR Spectrum of Compound 1



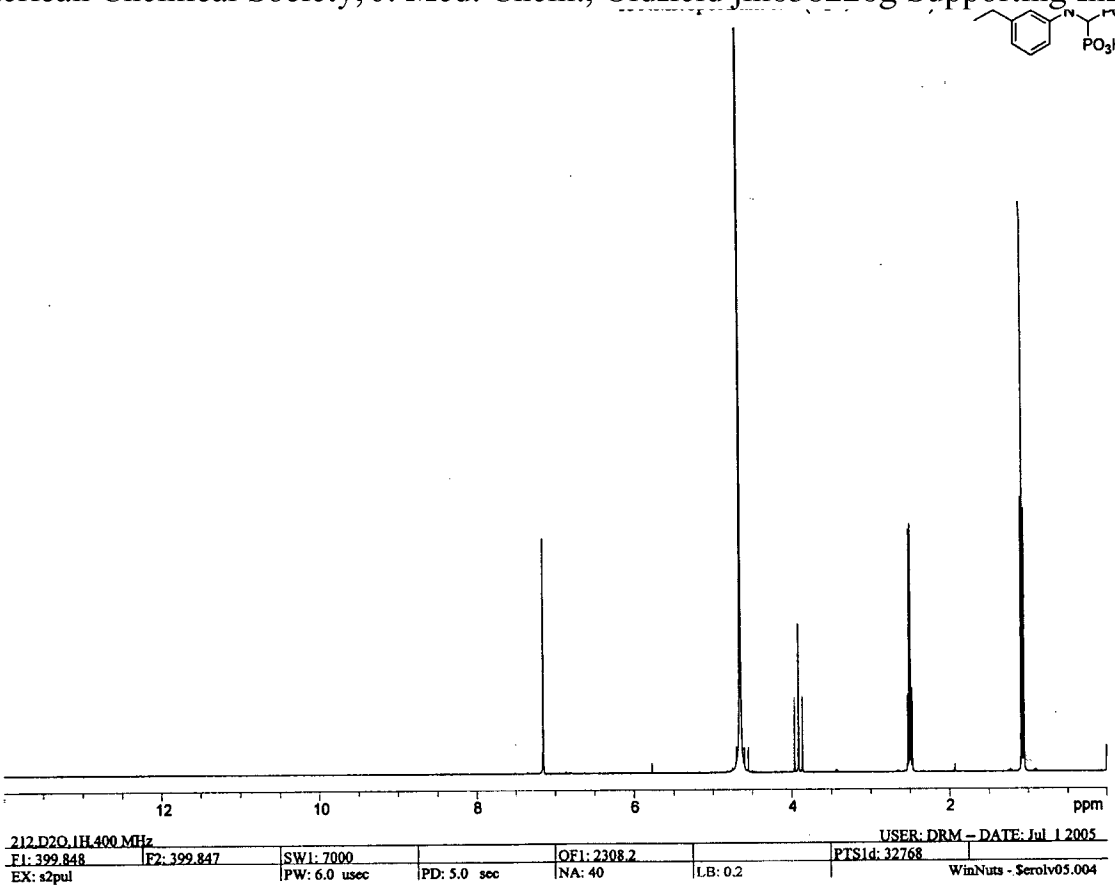
DEPT Spectrum of Compound 1



^{1}H NMR Spectrum of Compound 3



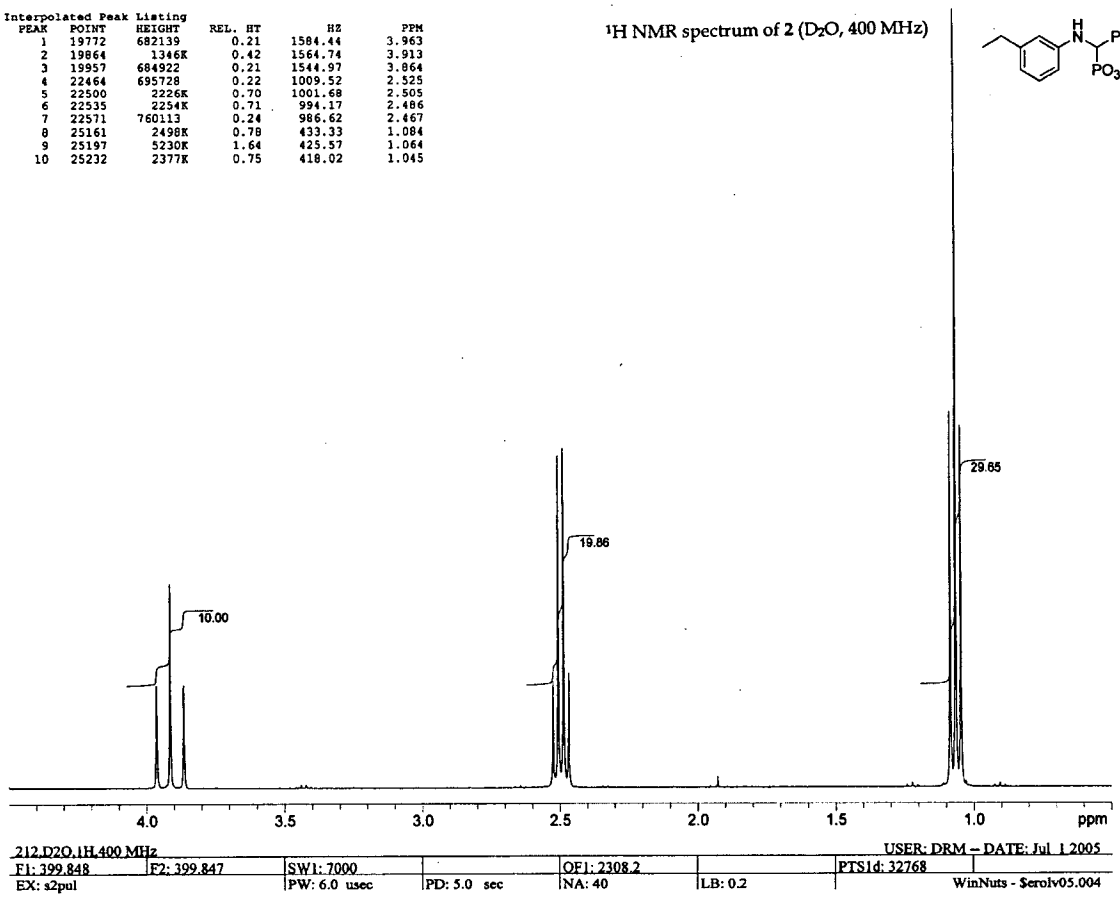
^{13}C NMR data of compound 7

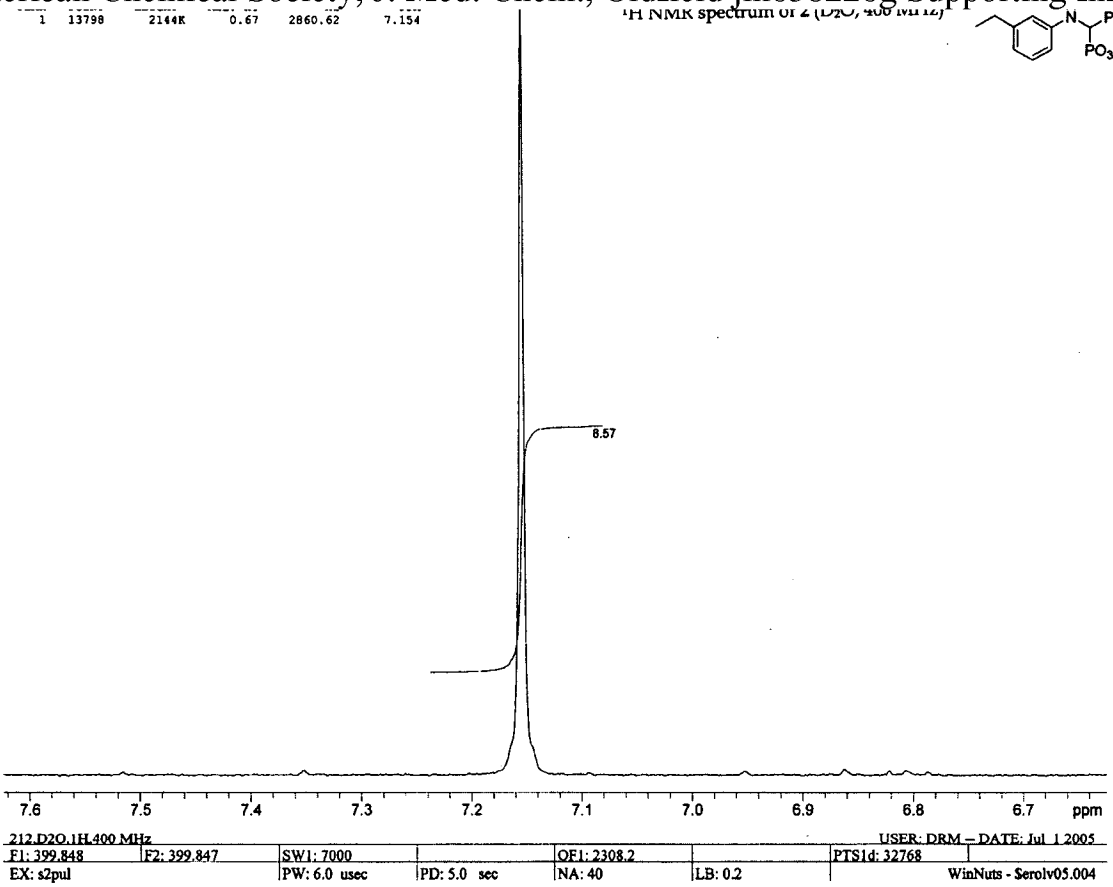


Interpolated Peak Listing

PEAK	POINT	HEIGHT	REL. HT	HZ	PPM
1	19772	682139	0.21	1584.44	3.963
2	19864	1346K	0.42	1564.74	3.913
3	19957	684922	0.21	1544.97	3.864
4	22464	695728	0.22	1009.52	2.525
5	22500	2226K	0.70	1001.68	2.505
6	22535	2254K	0.71	994.17	2.486
7	22571	760113	0.24	986.62	2.467
8	25161	2498K	0.78	433.33	1.084
9	25197	5230K	1.64	425.57	1.064
10	25232	2377K	0.75	418.02	1.045

^{1}H NMR spectrum of **2** (D_2O, 400 MHz)




1 13798 2144K 0.67 2860.62 7.154
^{1}H NMR spectrum of 2 (D_2O, 400 MHz)
N
PO_3H_2
PO_3H_2
8.57
7.6
7.5
7.4
7.3
7.2
7.1
7.0
6.9
6.8
6.7
ppm
212.D2O.1H.400 MHz
USER: DRM – DATE: Jul 1 2005
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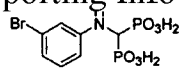
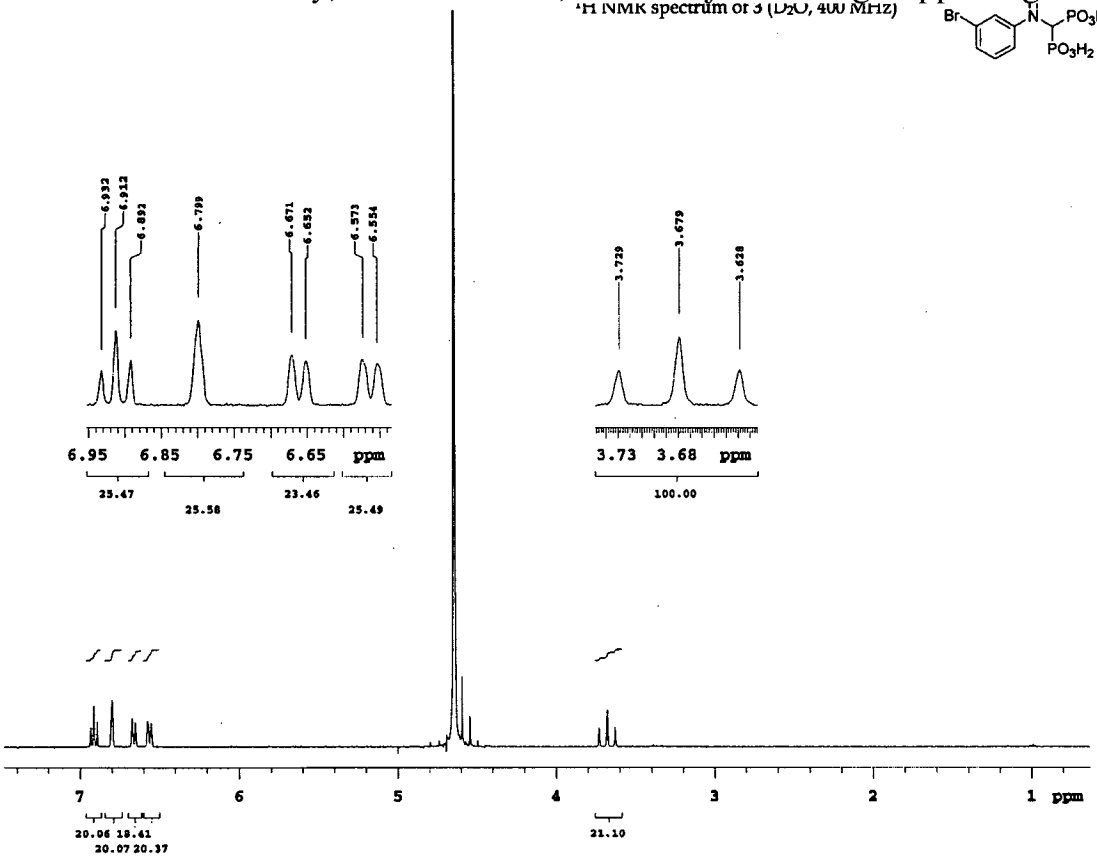
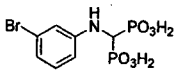
F2: 399.847
SW1: 7000
OF1: 2308.2
PTS1d: 32768
EX: s2pul
PW: 6.0 usec
PD: 5.0 sec
NA: 40
LB: 0.2
WinNuts - Serolv05.004

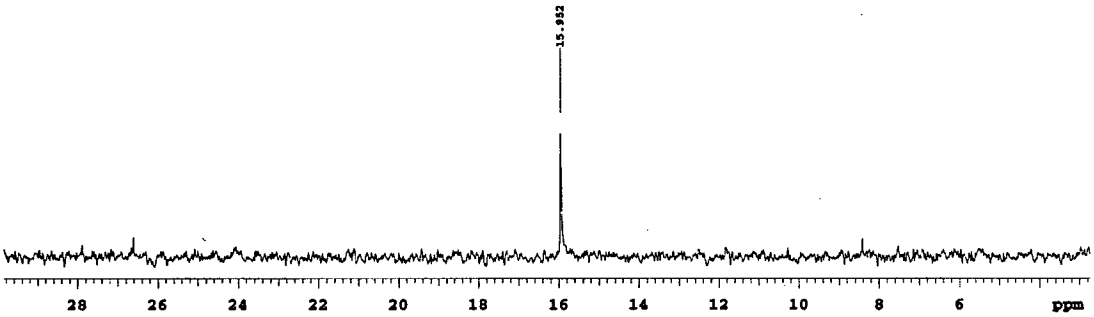
^{1}H NMR spectrum of 3 (D_2O, 400 MHz)



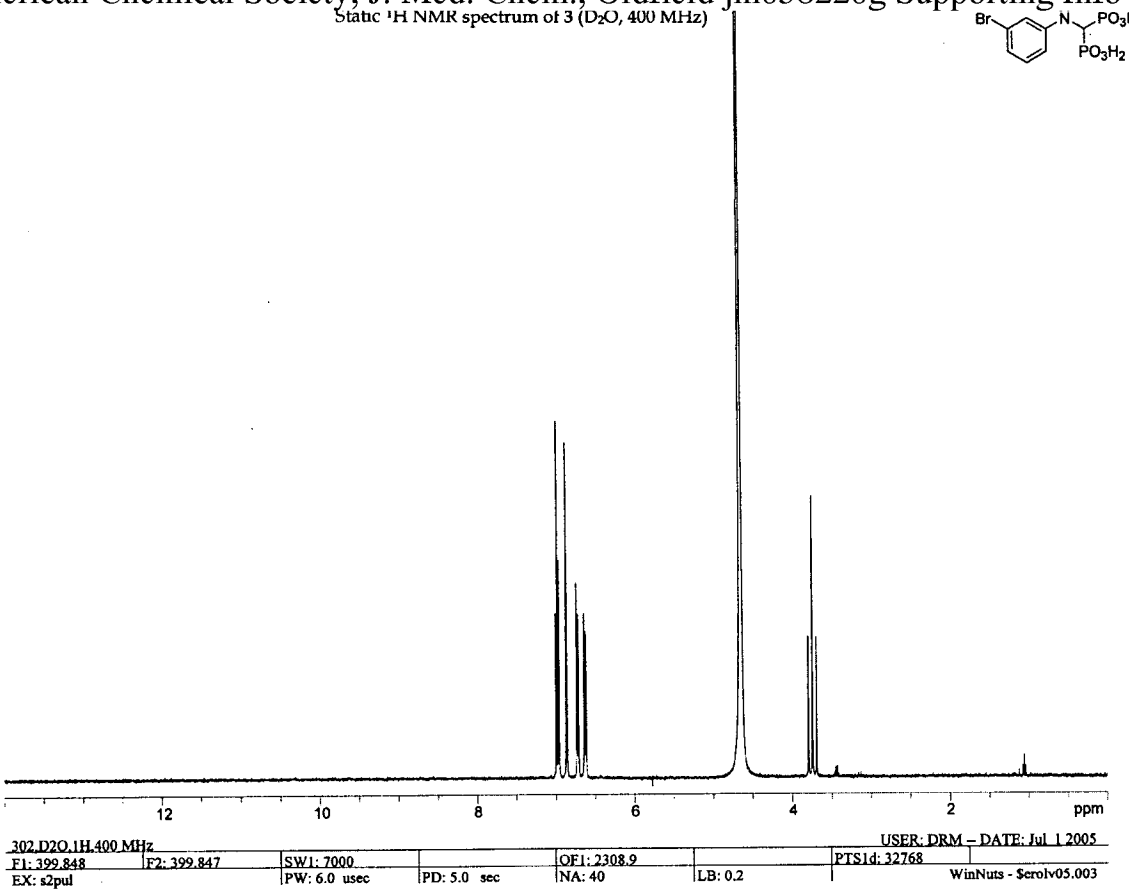


^{31}P NMR spectrum of 3 (D_2O, 161.9 MHz)

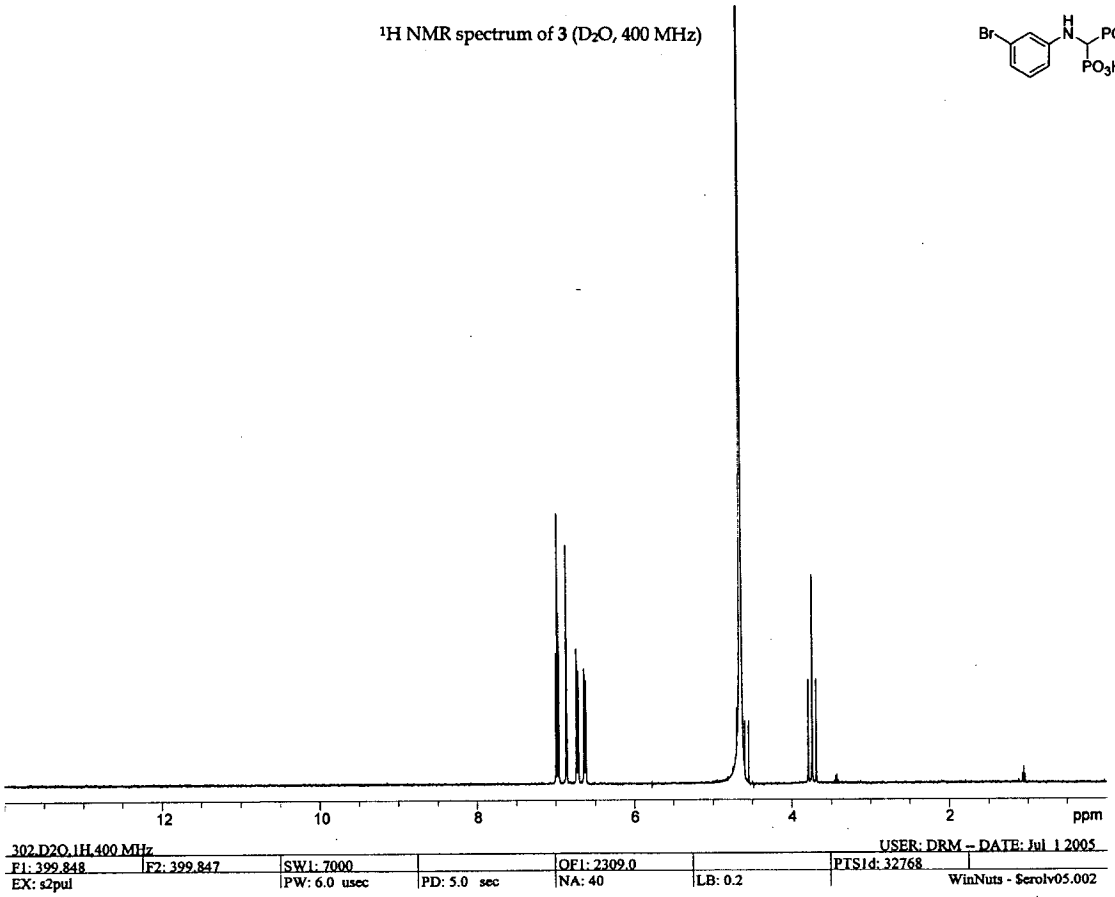




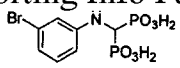
Static ^{1}H NMR spectrum of 3 (D_2O, 400 MHz)

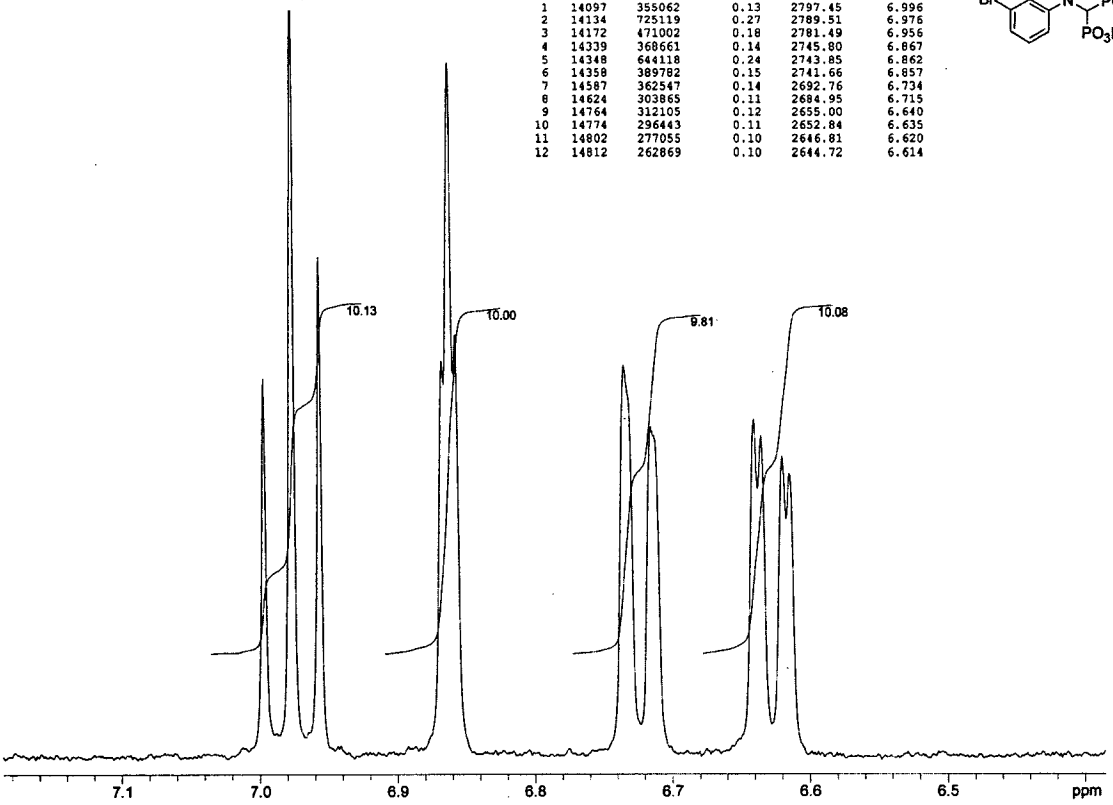


^{1}H NMR spectrum of 3 (D_2O, 400 MHz)



PEAK	POINT	HEIGHT	REL. HT	HZ	PPM
1	14097	355062	0.13	2797.45	6.996
2	14134	725119	0.27	2789.51	6.976
3	14172	471002	0.18	2781.49	6.956
4	14339	368661	0.14	2745.80	6.867
5	14348	644118	0.24	2743.85	6.862
6	14358	389782	0.15	2741.66	6.857
7	14587	362547	0.14	2692.76	6.734
8	14624	303865	0.11	2684.95	6.715
9	14764	312105	0.12	2655.00	6.640
10	14774	296443	0.11	2652.84	6.635
11	14802	277055	0.10	2646.81	6.620
12	14812	262869	0.10	2644.72	6.614





302.D2O.1H.400 MHz USER: DRM – DATE: Jul 1 2005

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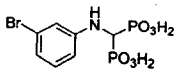
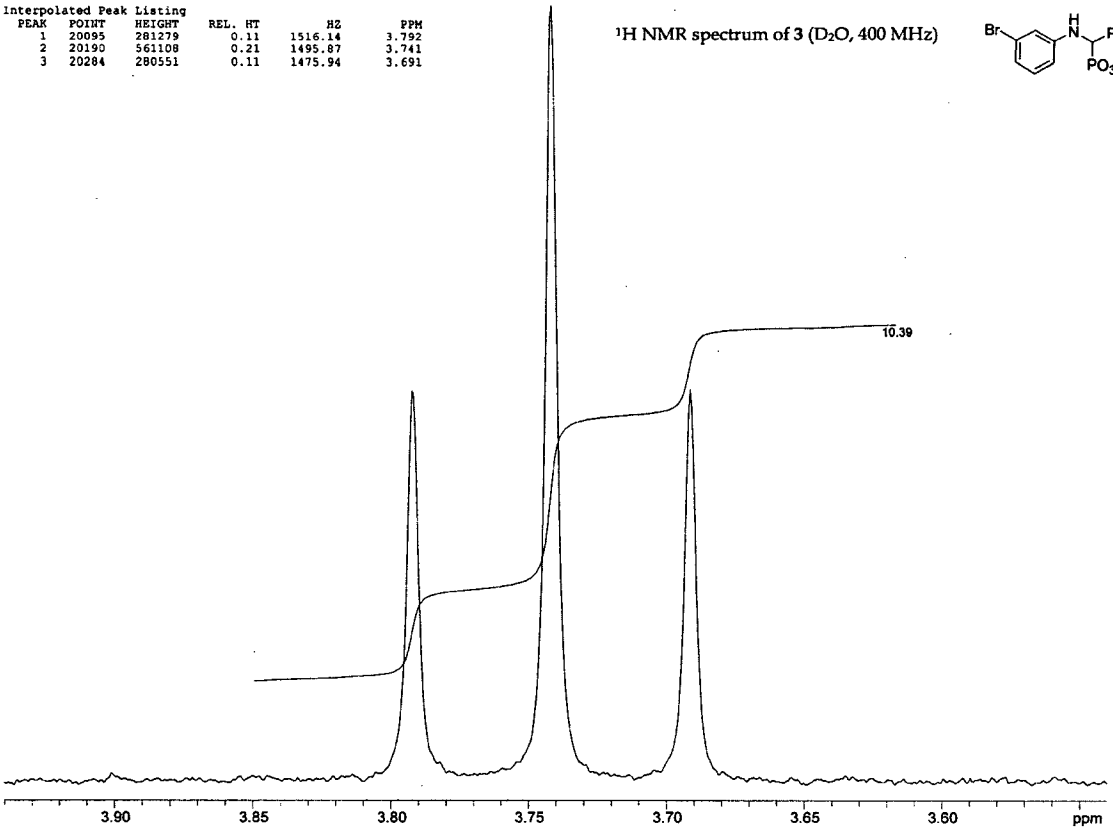
EX: s2pul		PW: 6.0 usec	PD: 5.0 sec	NA: 40	LB: 0.2	WinNuts - $erolv05.002

Interpolated Peak Listing

PEAK	POINT	HEIGHT	REL. HT	HZ	PPM
1	20095	281279	0.11	1516.14	3.792
2	20190	561108	0.21	1495.87	3.741
3	20284	280551	0.11	1475.94	3.691

^{1}H NMR spectrum of 3 (D_2O, 400 MHz)

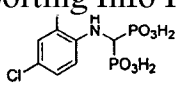


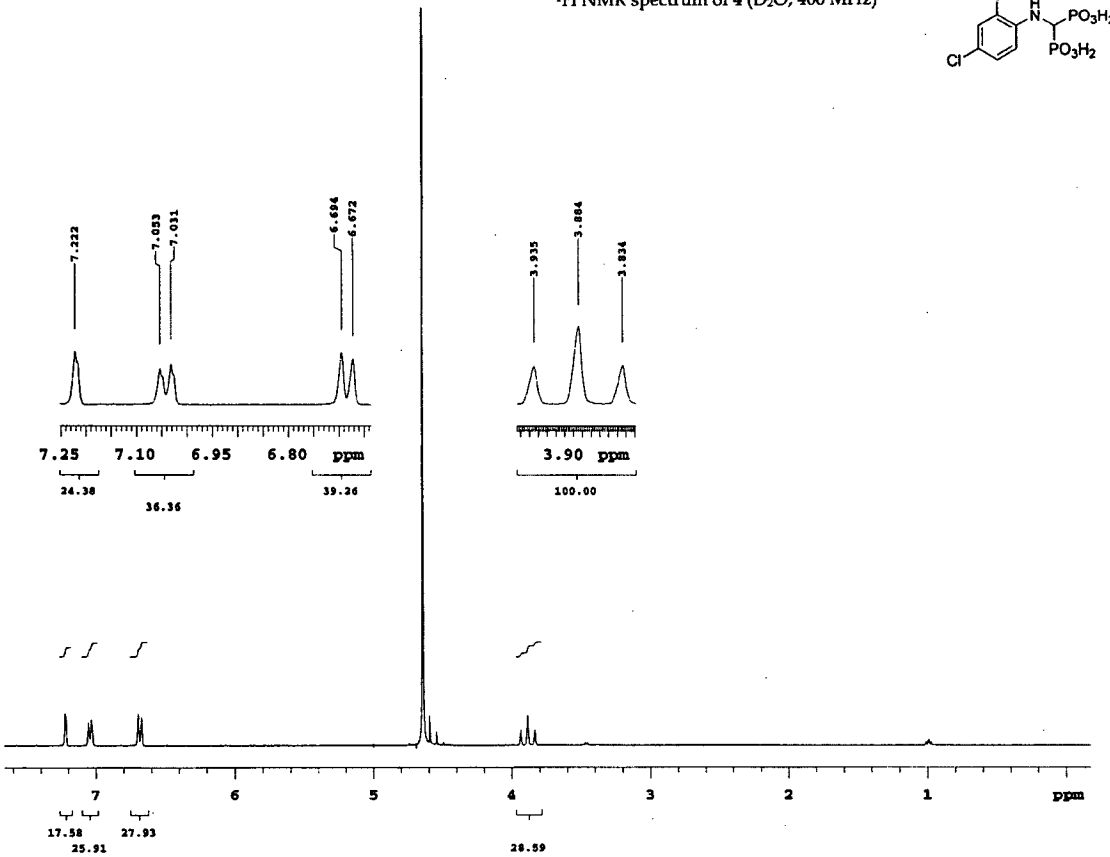


302.D2O.1H.400 MHz USER: DRM – DATE: Jul 1 2005

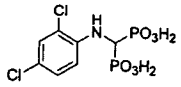
F1: 399.848	F2: 399.847	SW1: 7000		OF1: 2309.0		PTS1d: 32768
EX: s2pul		PW: 6.0 usec	PD: 5.0 sec	NA: 40	LB: 0.2	WinNuts - $erolv05.002

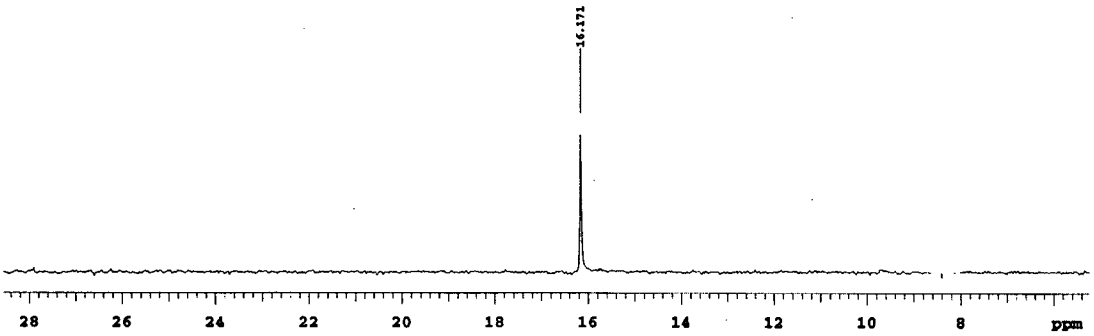
^{1}H NMR spectrum of 4 (D_2O, 400 MHz)

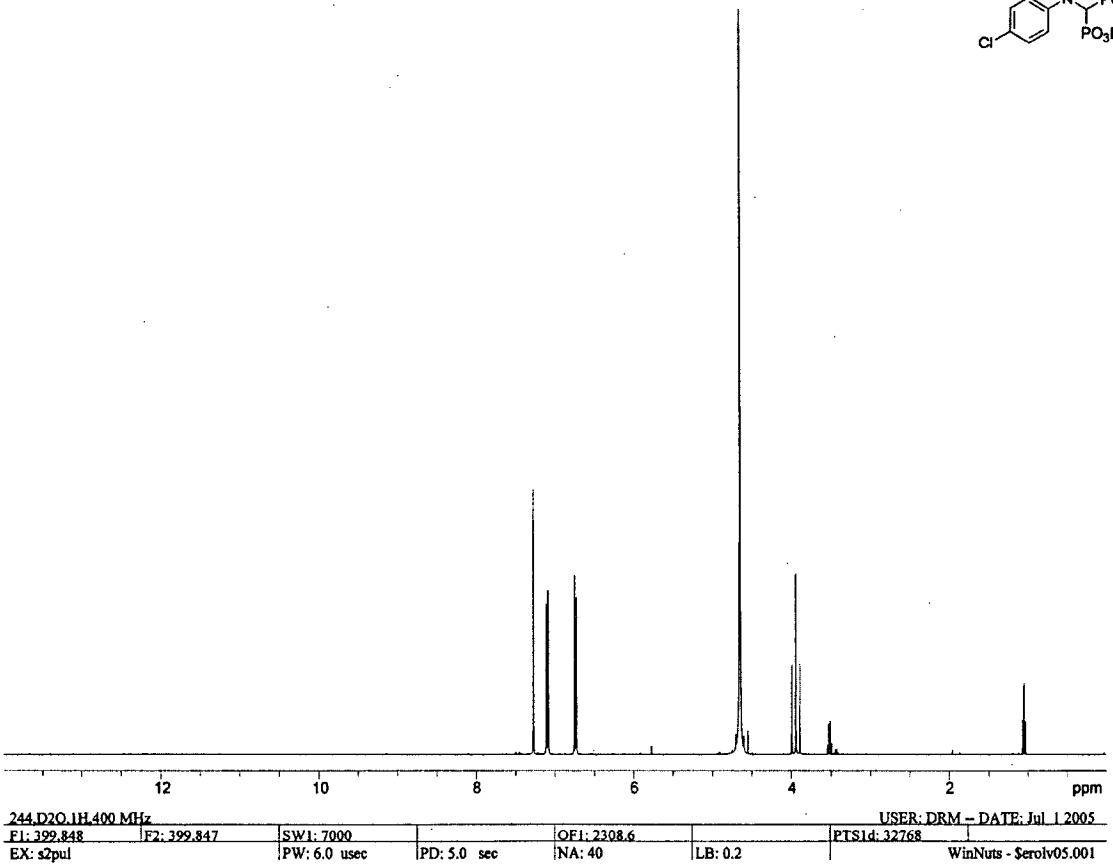




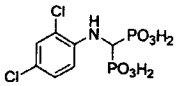
^{31}P NMR spectrum of **4** (D_2O, 161.9 MHz)





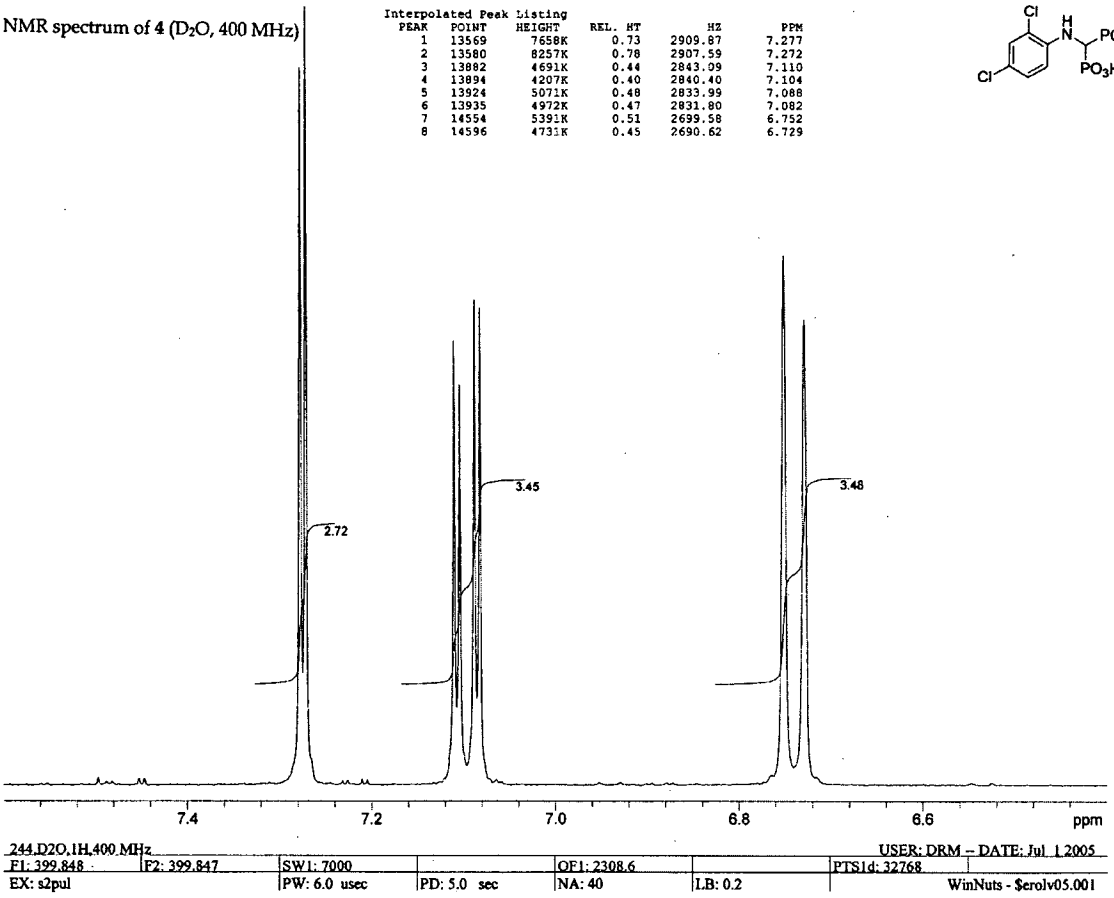


^{1}H NMR spectrum of 4 (D_2O, 400 MHz)



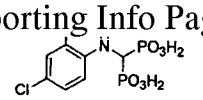
Interpolated Peak Listing

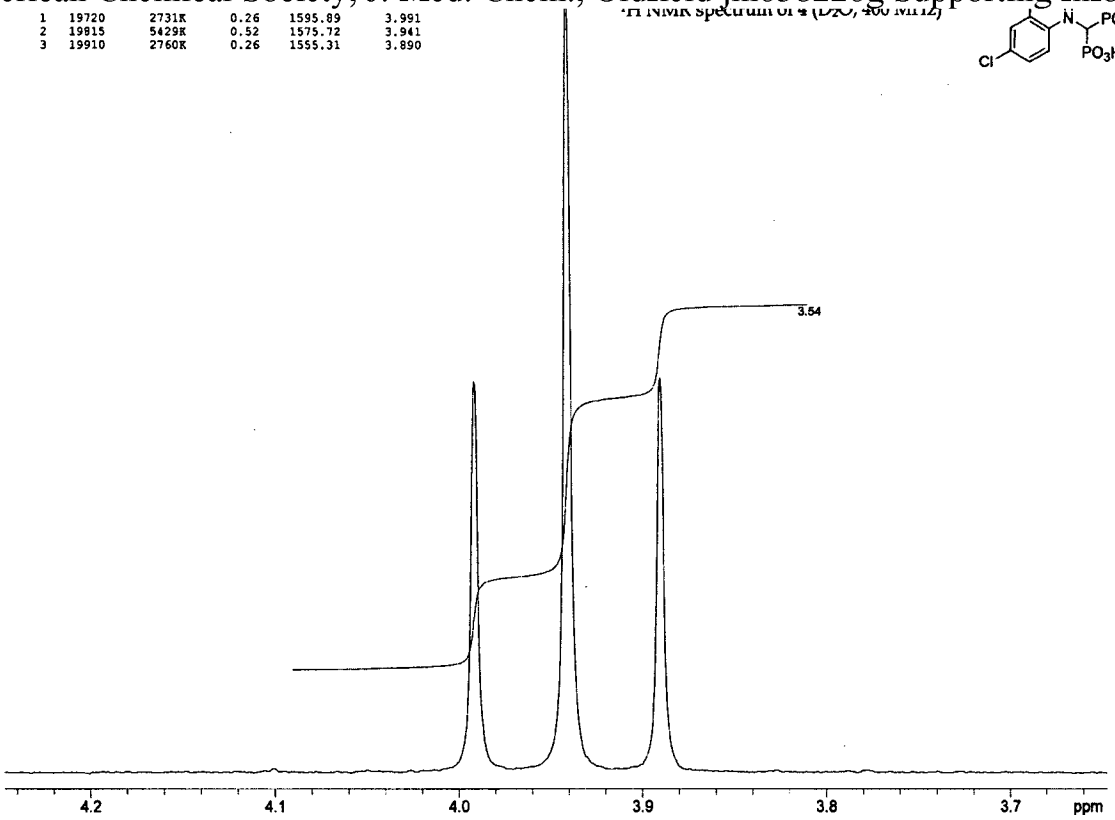
PEAK	POINT	HEIGHT	REL. HT	HZ	PPM
1	13569	7658K	0.73	2909.87	7.277
2	13580	8257K	0.78	2907.59	7.272
3	13882	4691K	0.44	2843.09	7.110
4	13894	4207K	0.40	2840.40	7.104
5	13924	5071K	0.48	2833.99	7.088
6	13935	4972K	0.47	2831.80	7.082
7	14554	5391K	0.51	2699.58	6.752
8	14596	4731K	0.45	2690.62	6.729



1	19720	2731K	0.26	1595.89	3.991
2	19815	5429K	0.52	1575.72	3.941
3	19910	2760K	0.26	1555.31	3.890

^{1}H NMR spectrum of 8 (D_2O, 400 MHz)





244.D2O.1H.400 MHz USER: DRM – DATE: Jul 1 2005

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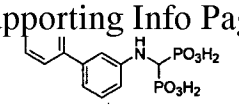
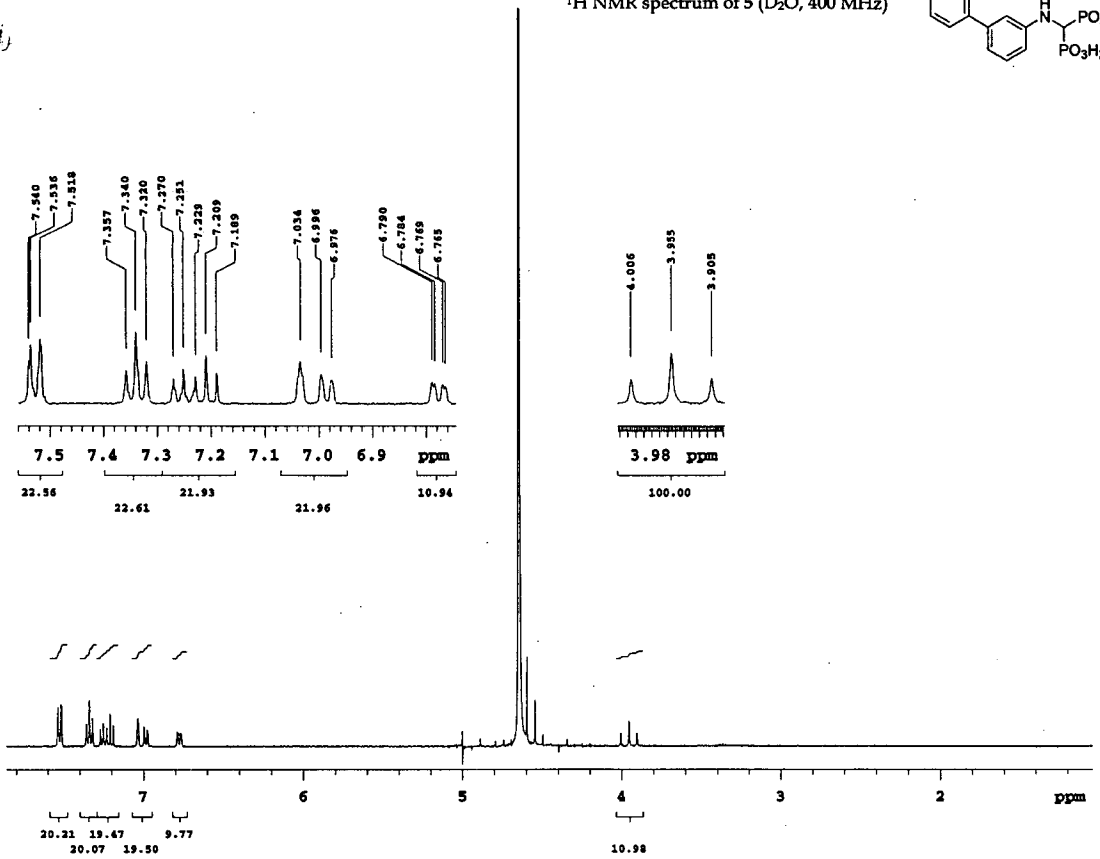
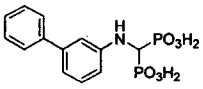
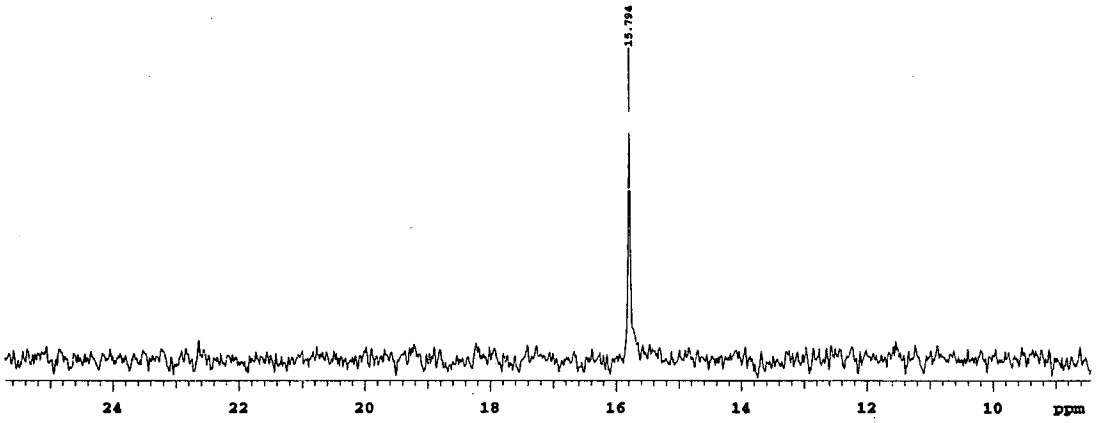
EX: s2pul		PW: 6.0 usec	PD: 5.0 sec	NA: 40	LB: 0.2	WinNuts - $erolv05.001

^{1}H NMR spectrum of 5 (D_2O, 400 MHz)





^{31}P NMR spectrum of 5 (D_2O, 161.9 MHz)