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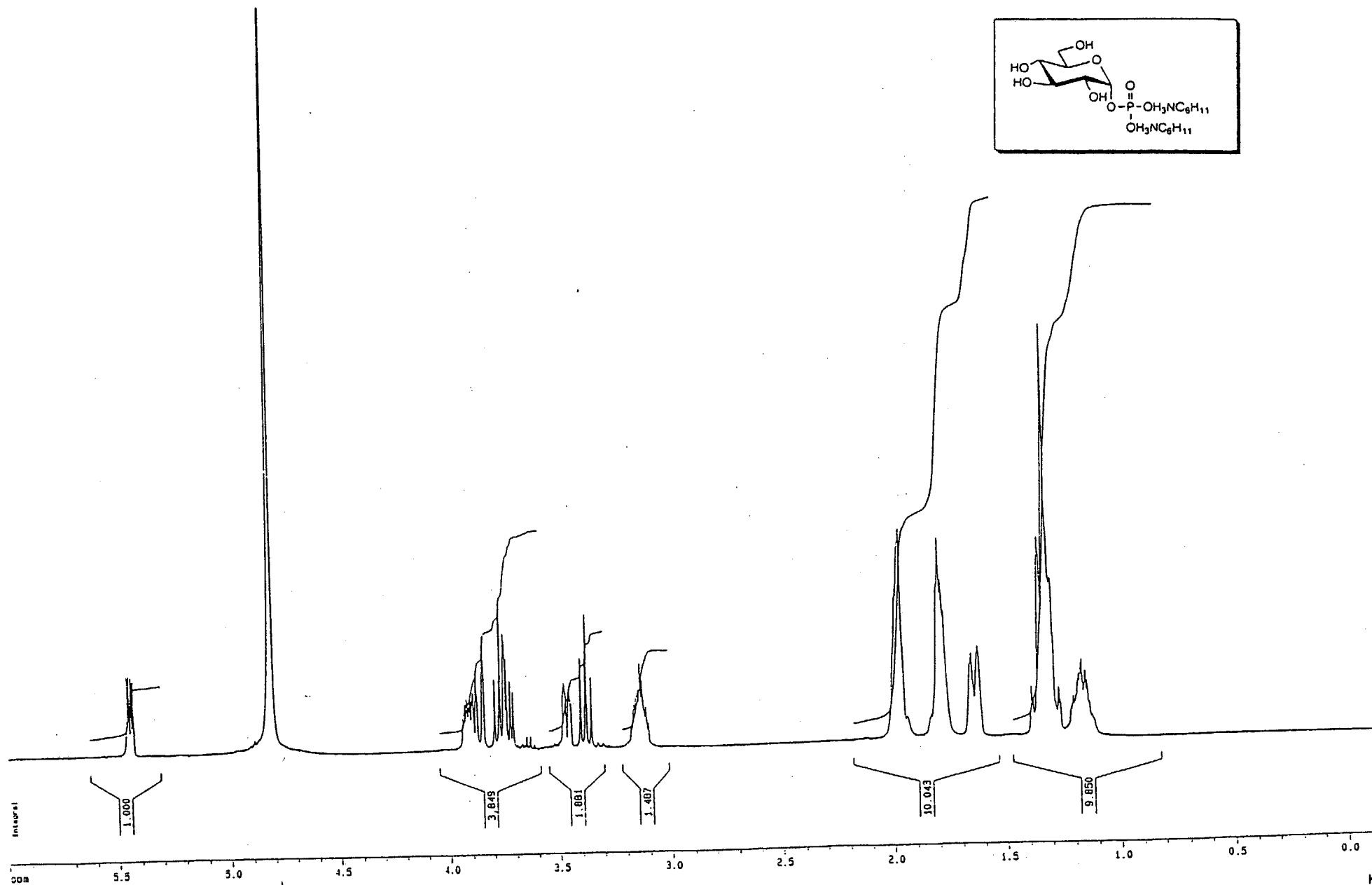


ACS Publications

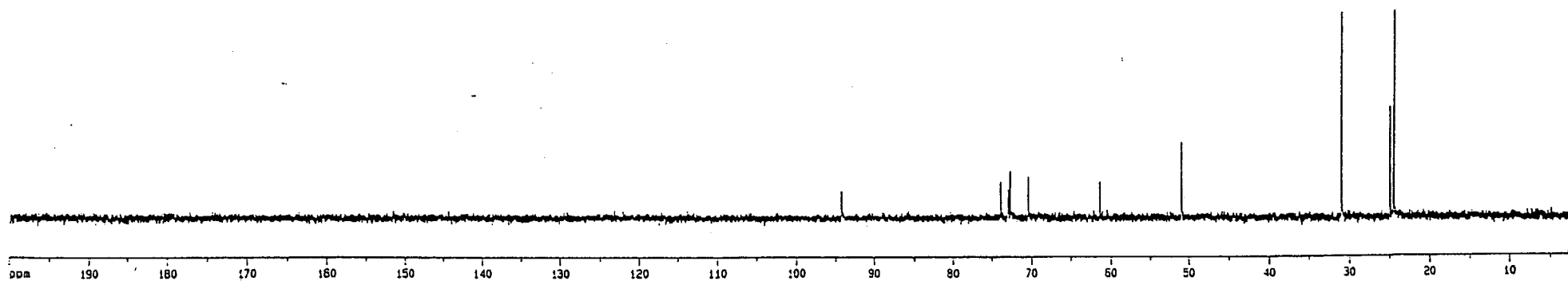
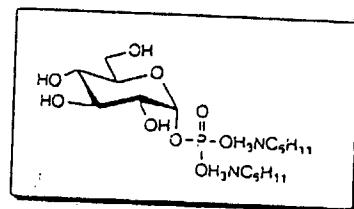
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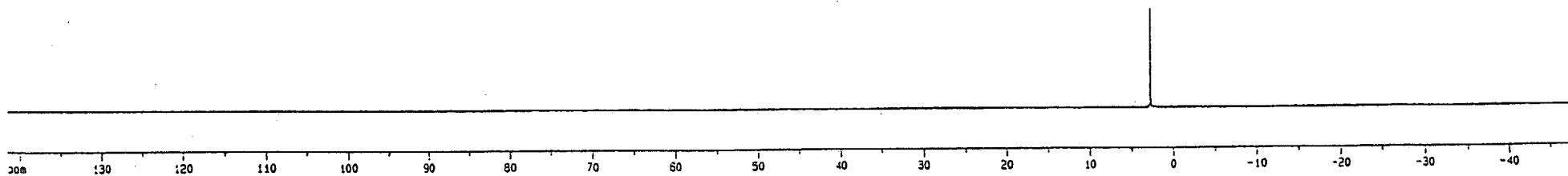
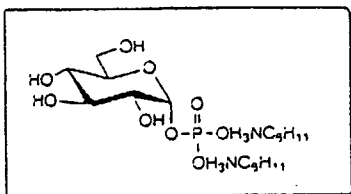
^1H NMR (400 MHz), 2 in D_2O



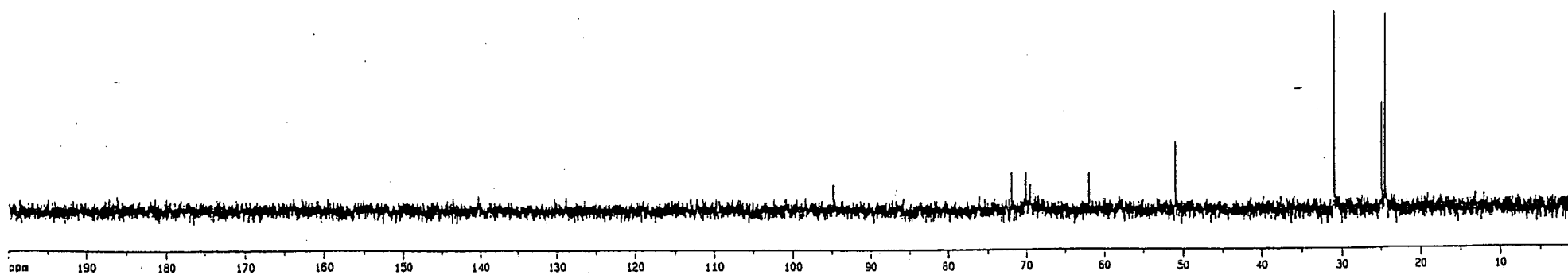
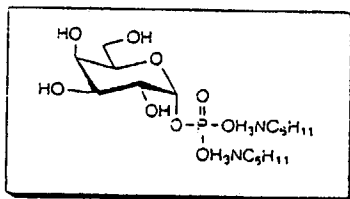
^{13}C NMR (100.6 MHz), **2** in D_2O



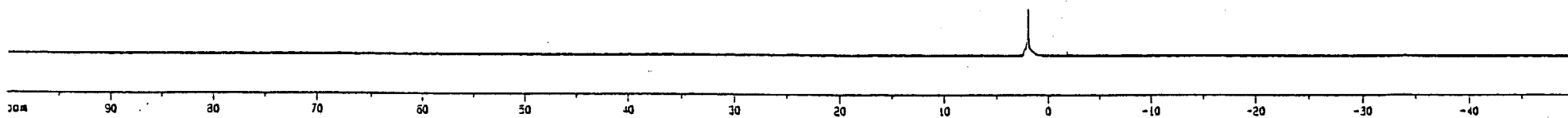
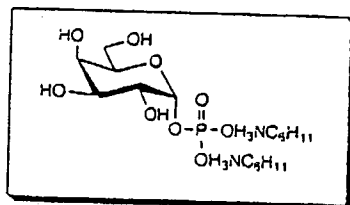
^{31}P NMR (162 MHz), **2** in D_2O



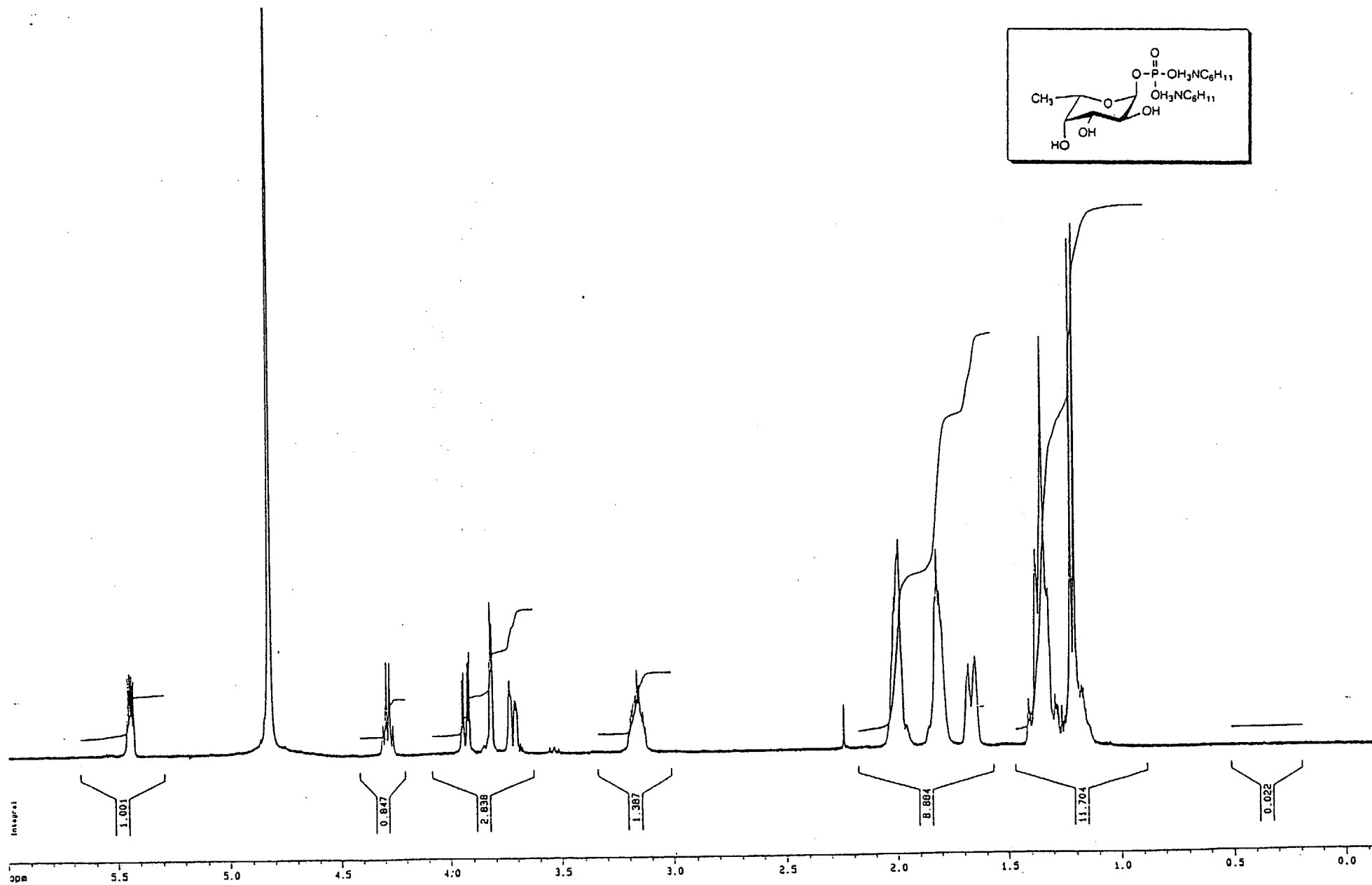
^{13}C NMR (100.6 MHz), 4 in D_2O



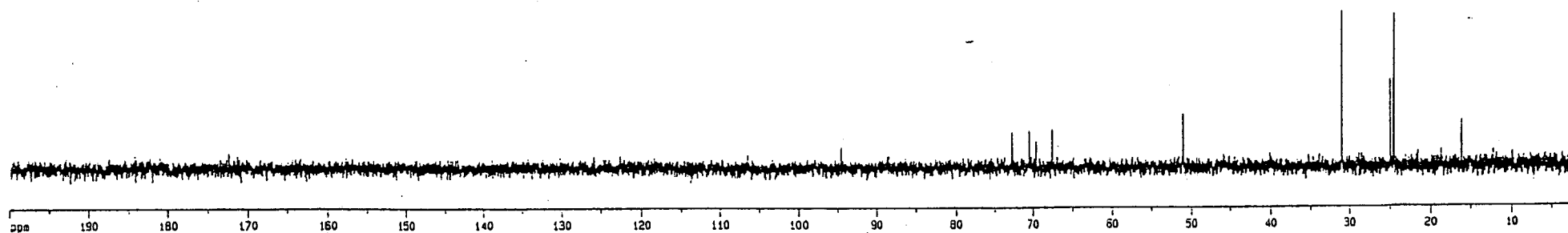
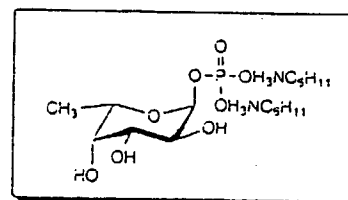
^{31}P NMR (162 MHz), **4** in D_2O

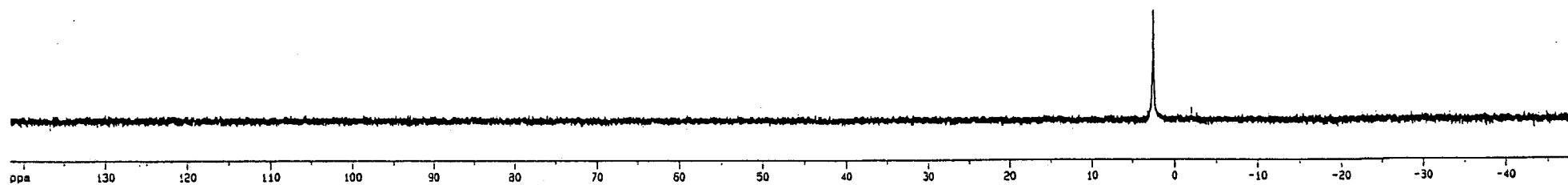
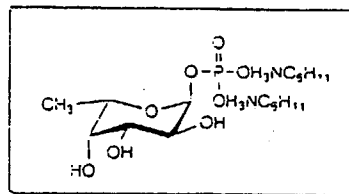


^1H NMR (400 MHz), **6** in D_2O



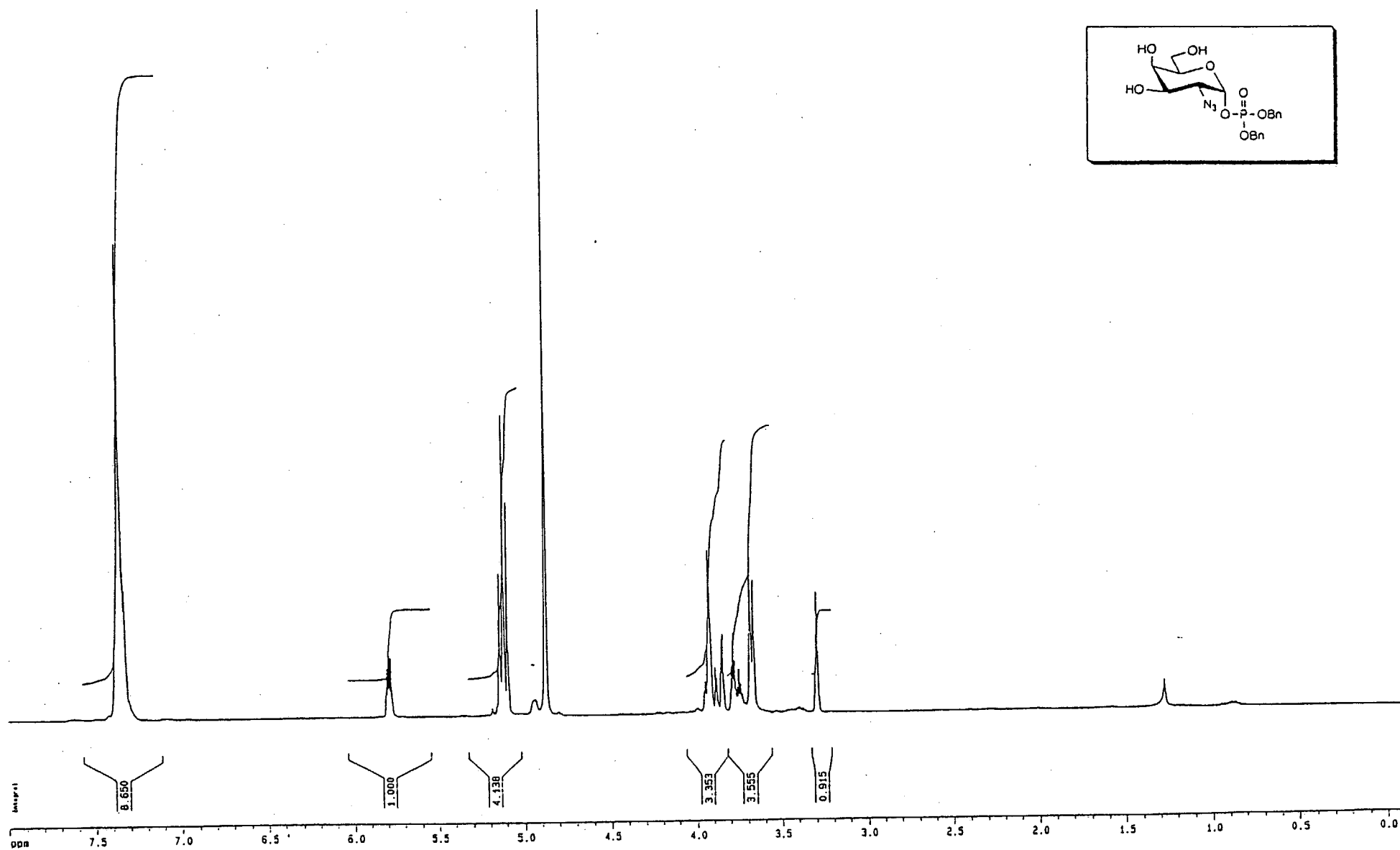
^{13}C NMR (100.6 MHz), **6** in D_2O





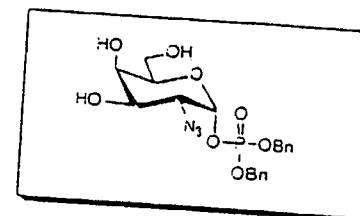
³¹P NMR (162 MHz), 6 in D₂O

^1H NMR (300 MHz), **8** in D_2O

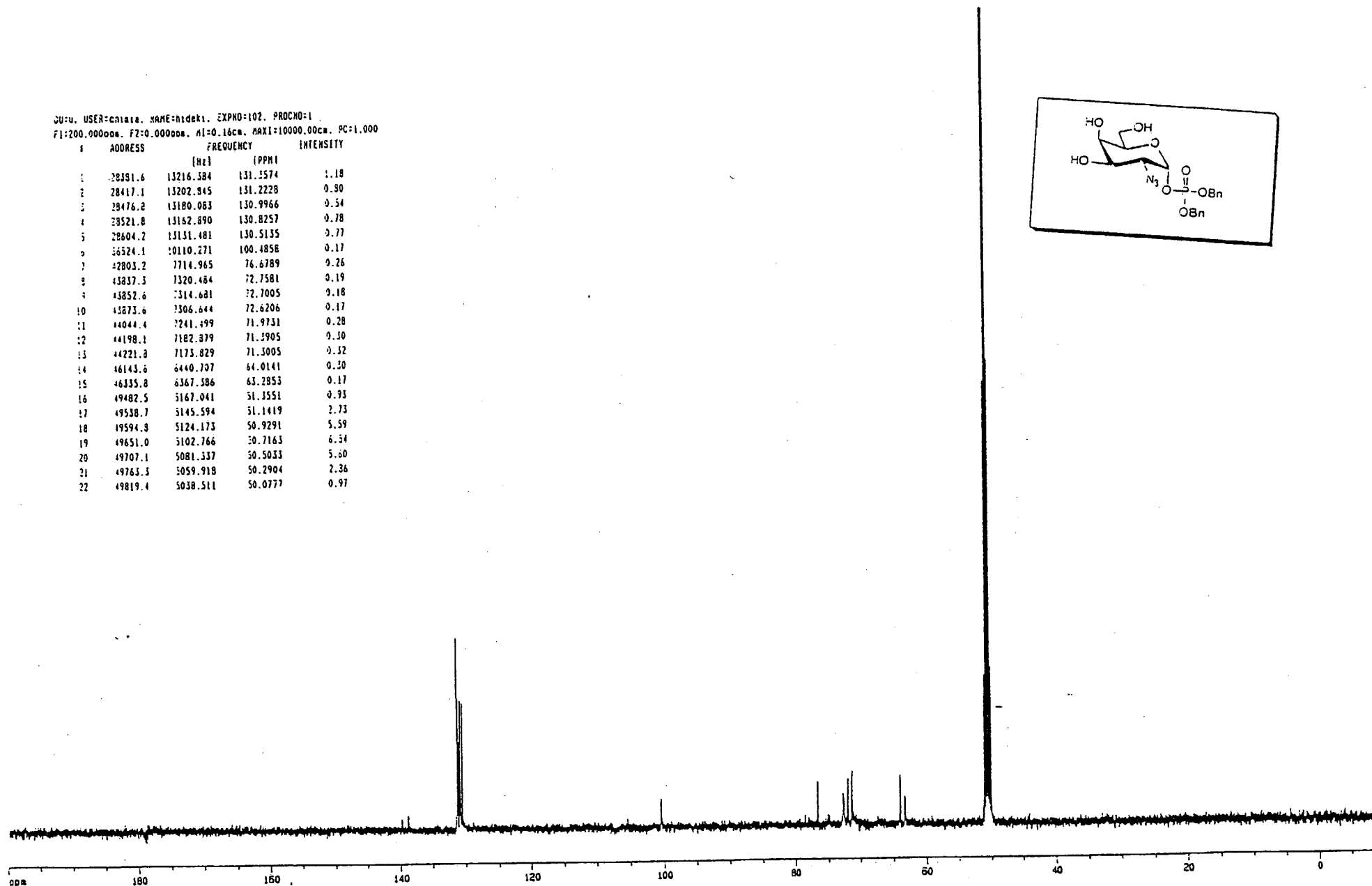


^{13}C NMR (100.6 MHz), 8 in D_2O

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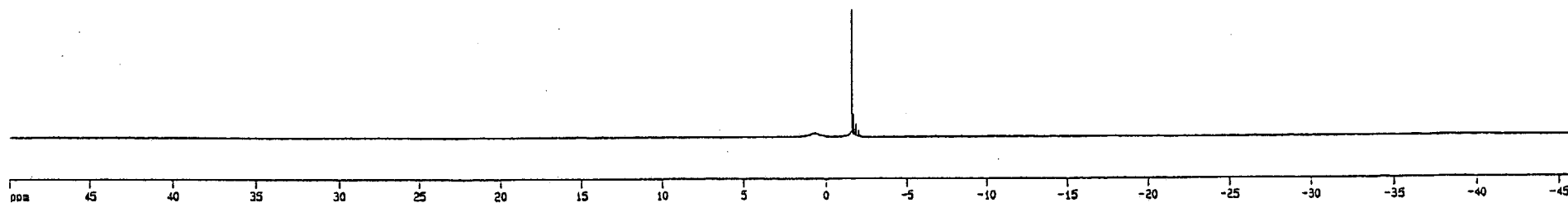
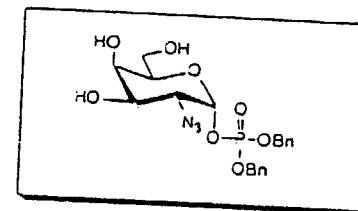
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3	28476.2	13180.083	130.9966	0.54
4	28521.8	13162.890	130.8257	0.78
5	28604.2	13131.481	130.5135	0.77
6	36524.1	10110.271	100.4858	0.17
7	42803.2	7714.965	76.6789	0.26
8	43837.3	7320.484	72.7581	0.19
9	43852.6	7314.681	72.7005	0.18
10	43873.6	7306.644	72.6206	0.17
11	44044.4	7241.499	71.9731	0.28
12	44198.1	7182.879	71.5905	0.10
13	44221.8	7175.829	71.5005	0.52
14	46143.6	6440.707	64.0141	0.50
15	46335.8	6367.586	63.2853	0.17
16	49482.5	5167.041	51.3551	0.93
17	49538.7	5145.594	51.1419	2.73
18	49594.8	5124.173	50.9291	5.59
19	49651.0	5102.766	50.7163	6.54
20	49707.1	5081.337	50.5033	5.60
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22	49819.4	5038.511	50.0777	0.97



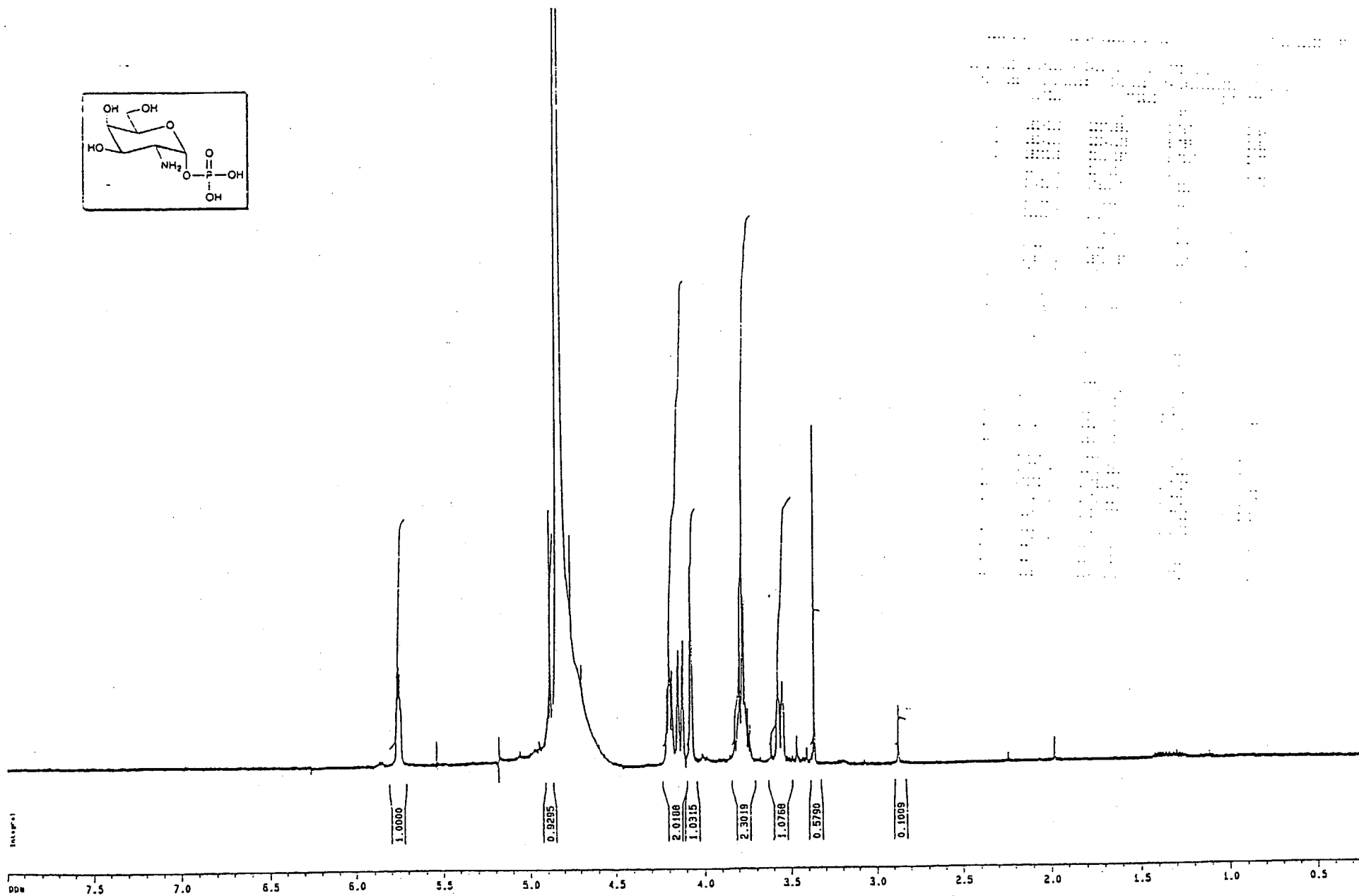
^{31}P NMR (162 MHz), **8** in D_2O

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4	48454.4	-272.094	-1.5798	9.71
5	48476.1	-282.466	-1.7439	4.46
6	48504.6	-296.028	-1.3276	0.65
7	48525.2	-305.872	-1.8884	2.63
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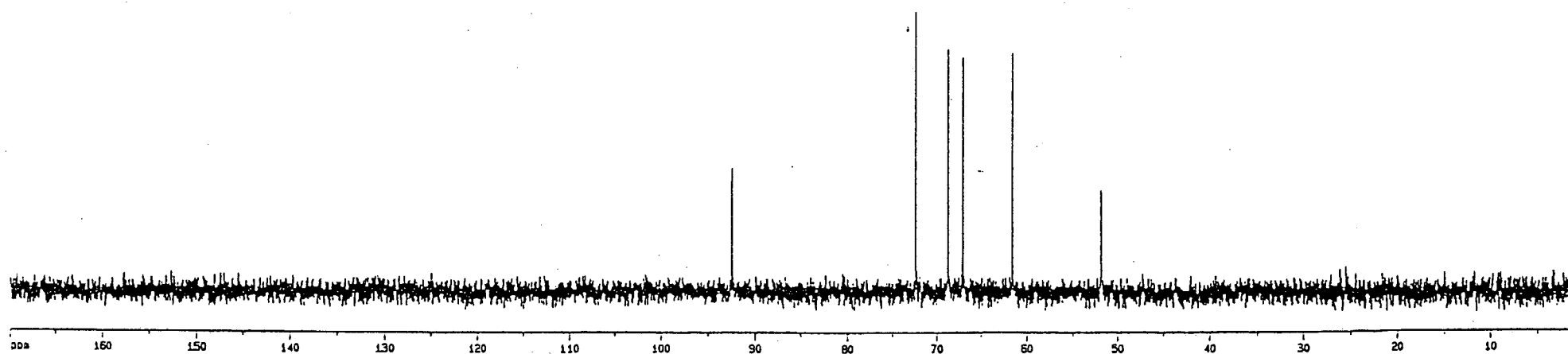
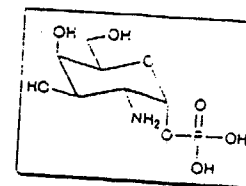
^1H NMR (400 MHz), **9** in D_2O



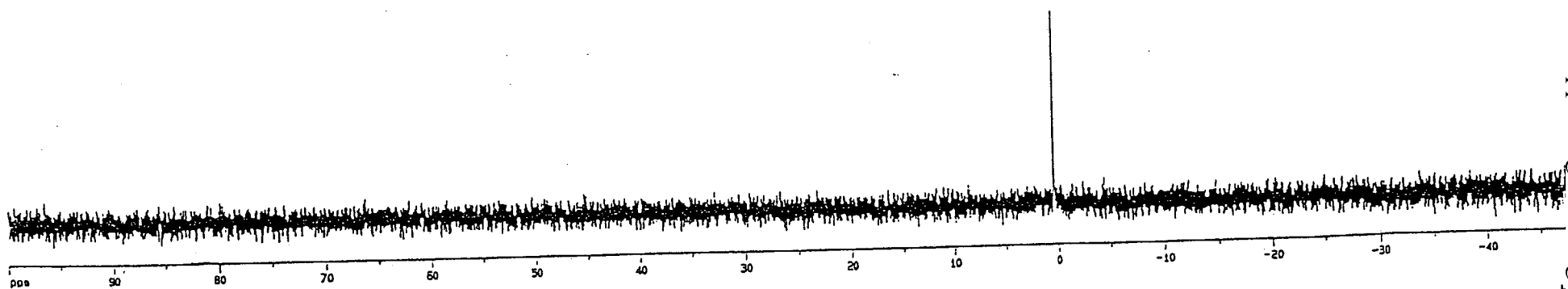
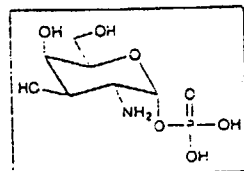
^{13}C NMR (100.6 MHz), **9** in D_2O

Chemical shift (ppm) vs. intensity

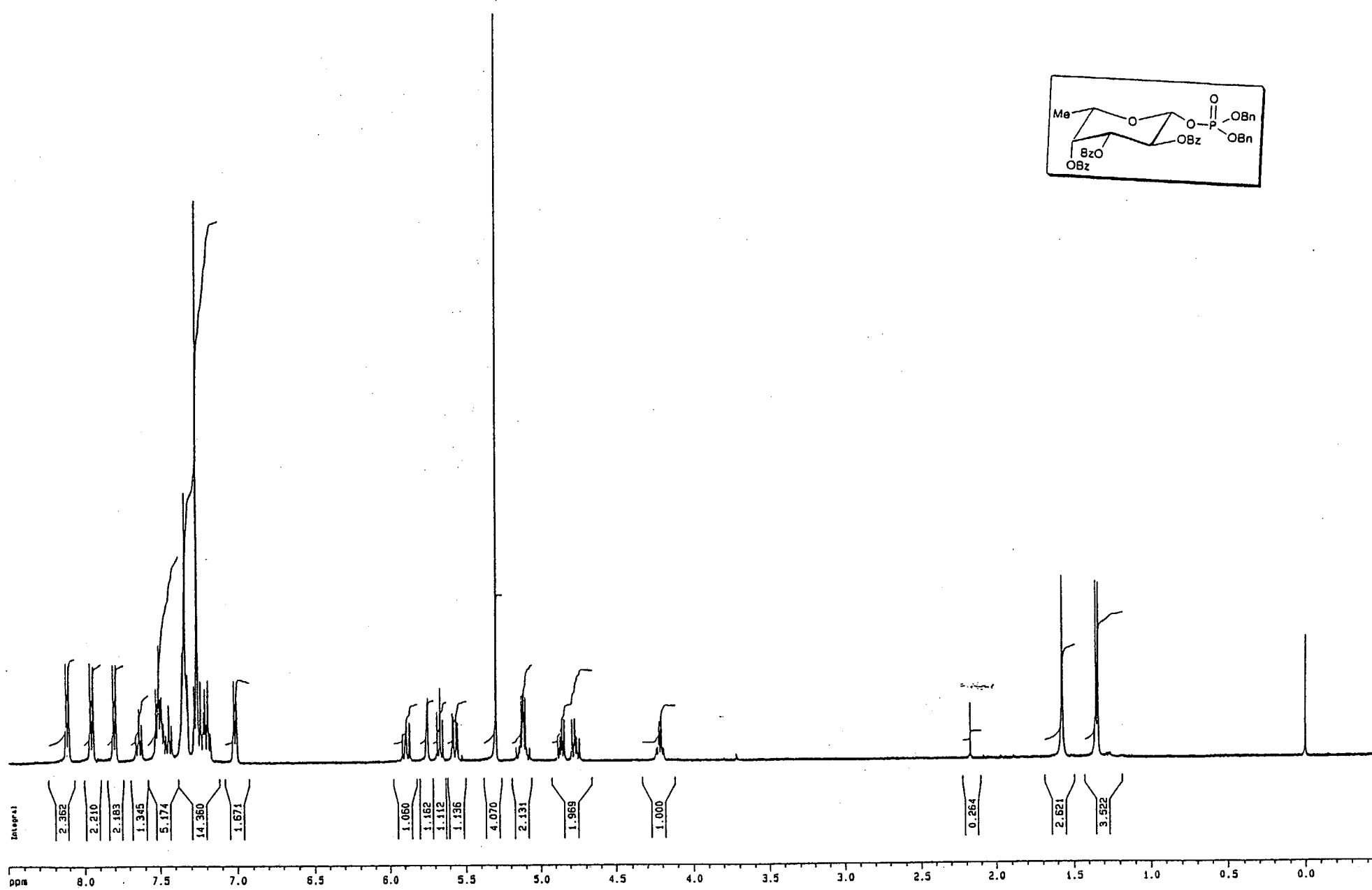
Chemical shift (ppm) vs. intensity



^{31}P NMR (162 MHz), **9** in D_2O



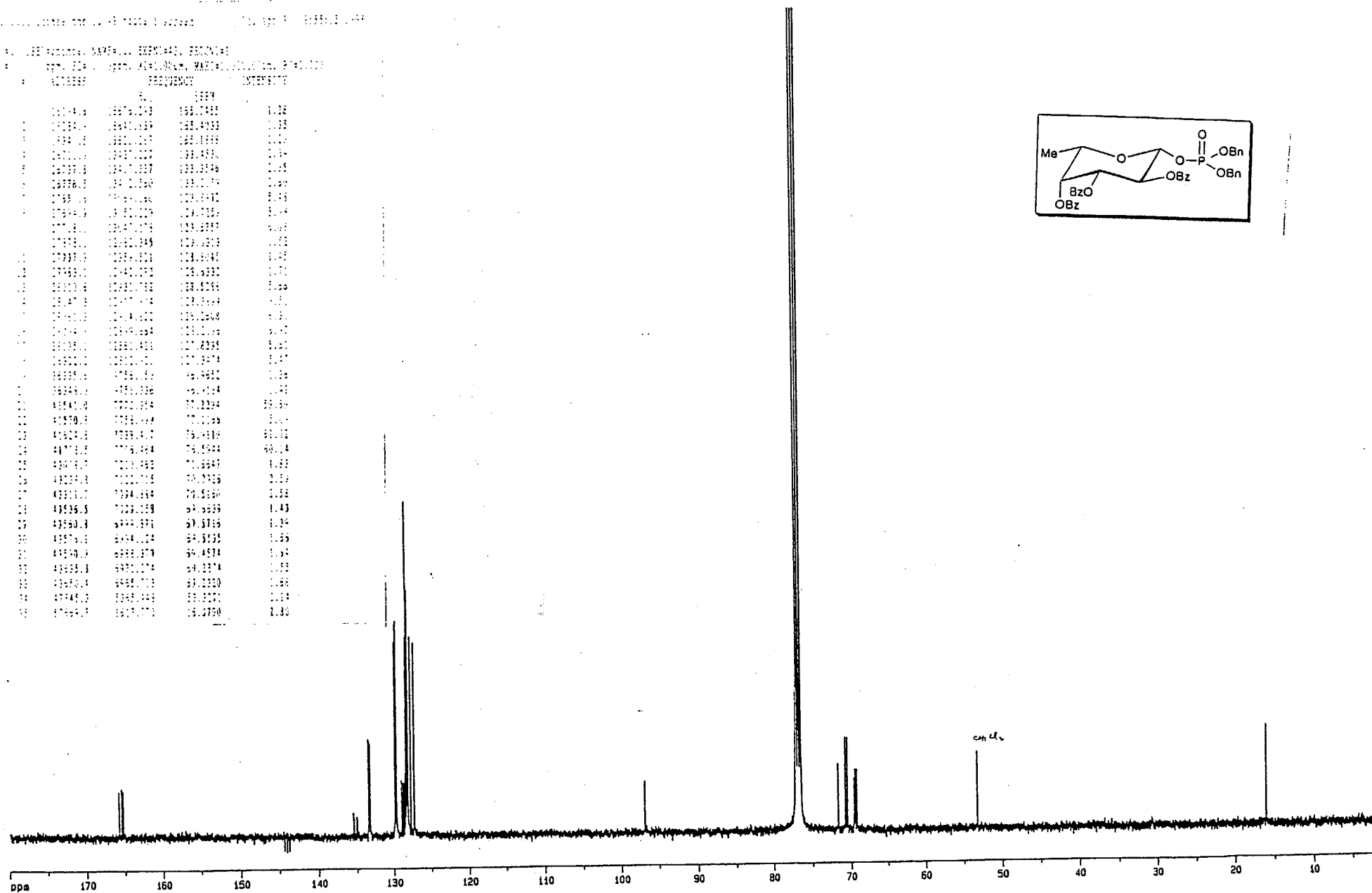
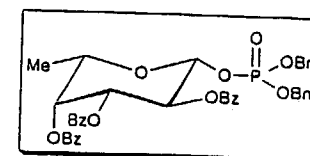
^1H NMR (400 MHz), 11 in CDCl_3



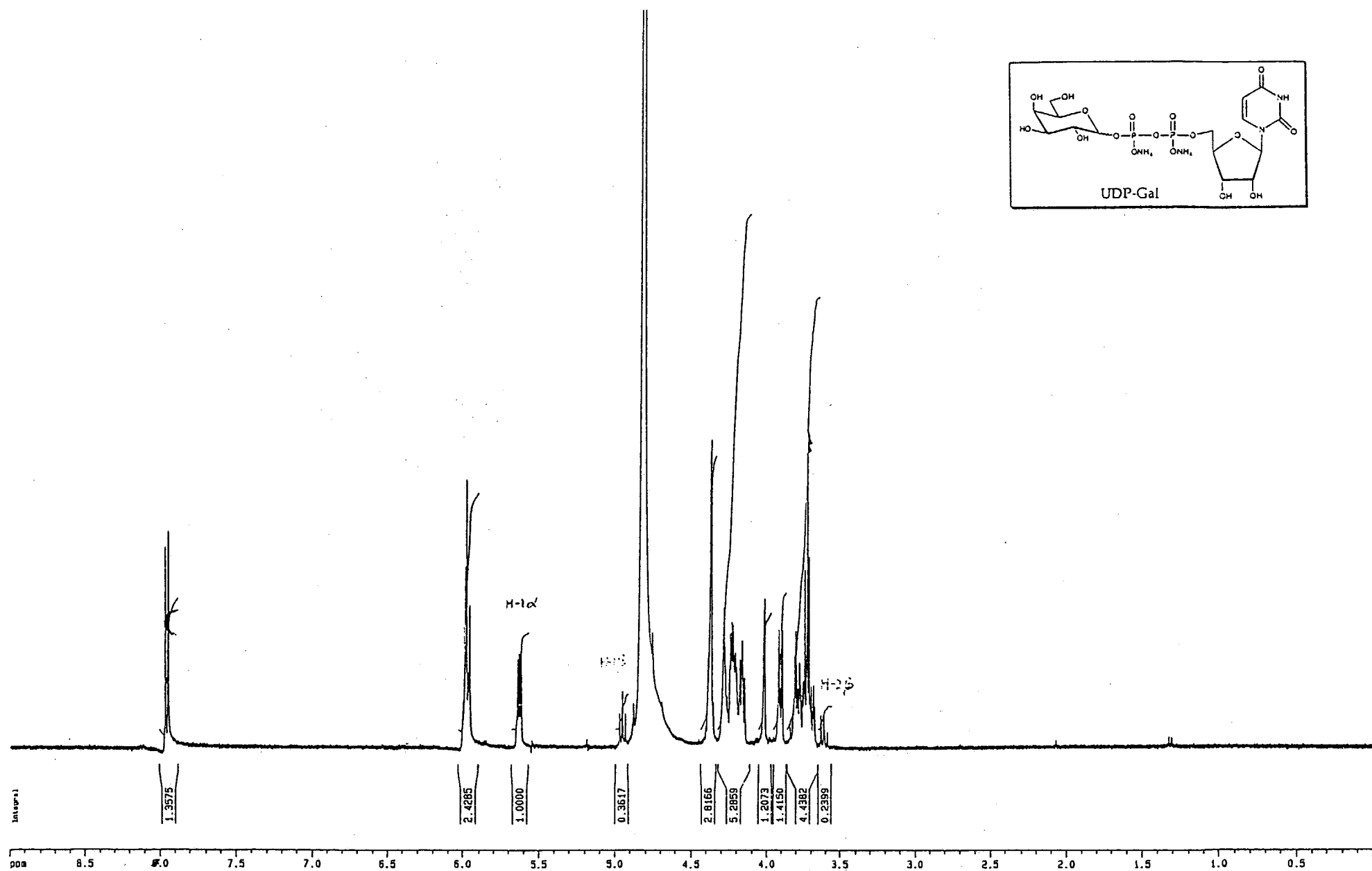


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^1H NMR (400 MHz), 13 in D_2O

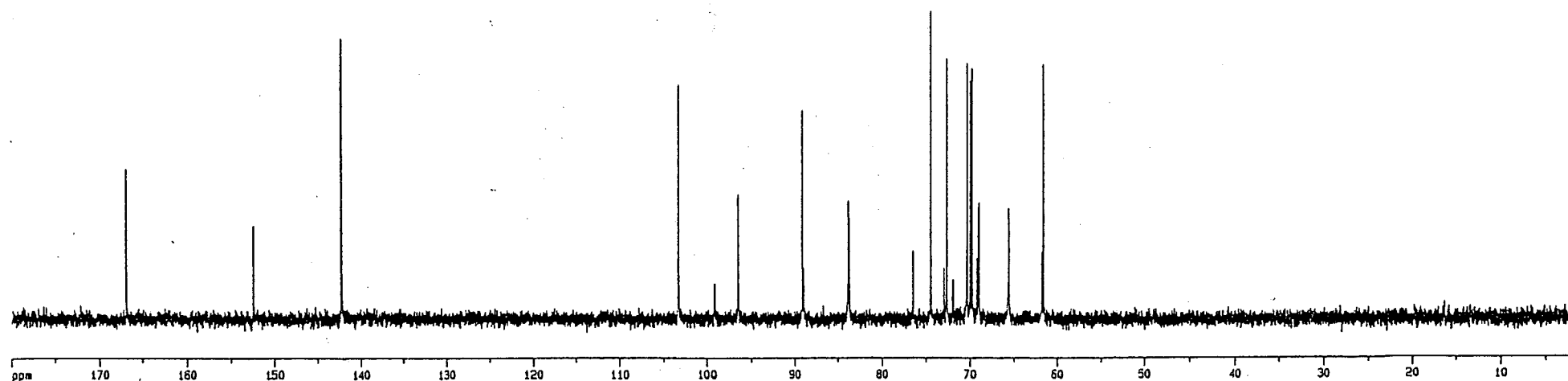
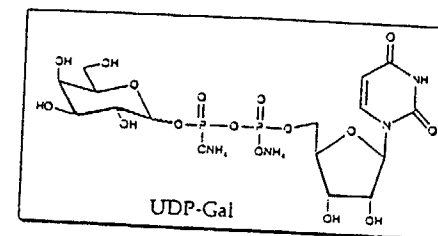


^{13}C NMR (100.6 MHz), 13 in D_2O

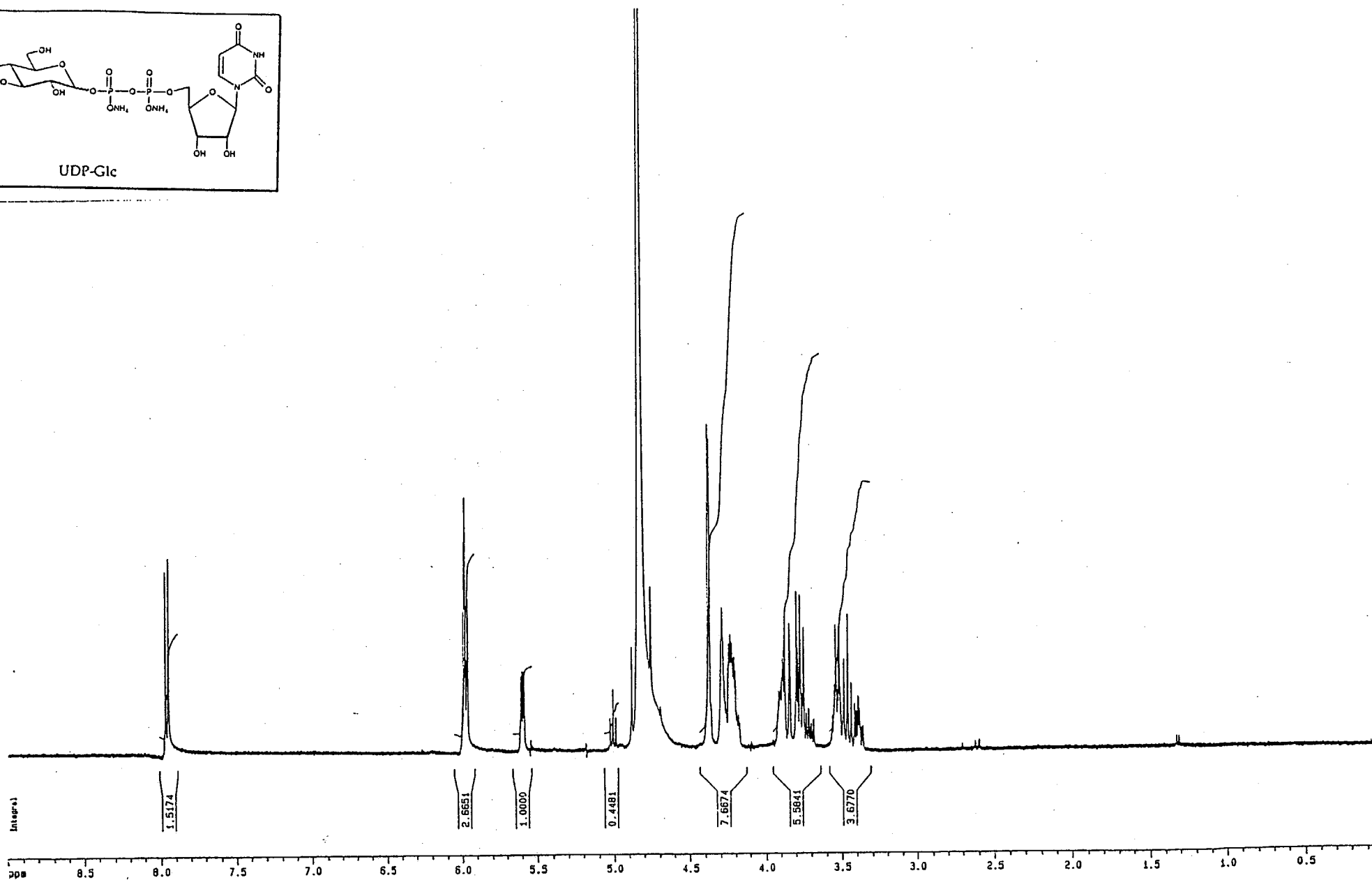
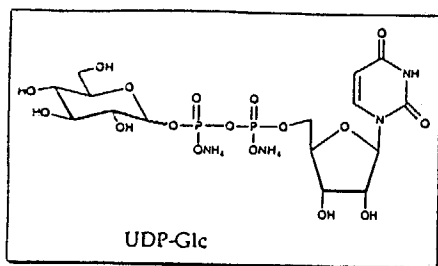
13C NMR (100.6 MHz), 13 in D_2O

13C NMR (100.6 MHz), 13 in D_2O

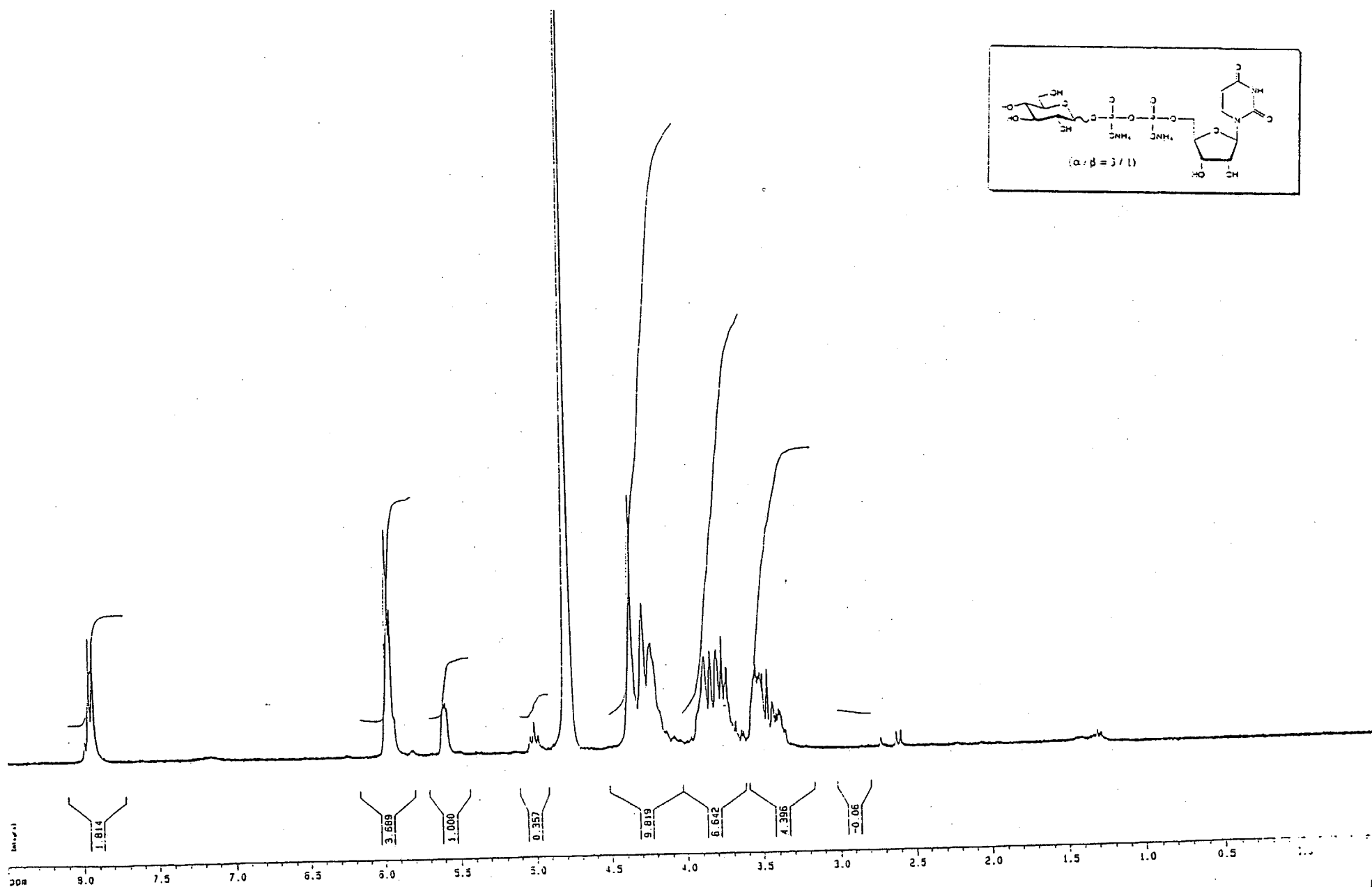
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75.0	C-O
65.0	C-O
55.0	C-O
45.0	C-O
35.0	C-O
25.0	C-O
15.0	C-O



^1H NMR (400 MHz), 14 in D_2O



^1H NMR (400 MHz), **14** in D_2O



^{13}C NMR (100.6 MHz), 14 in D_2O

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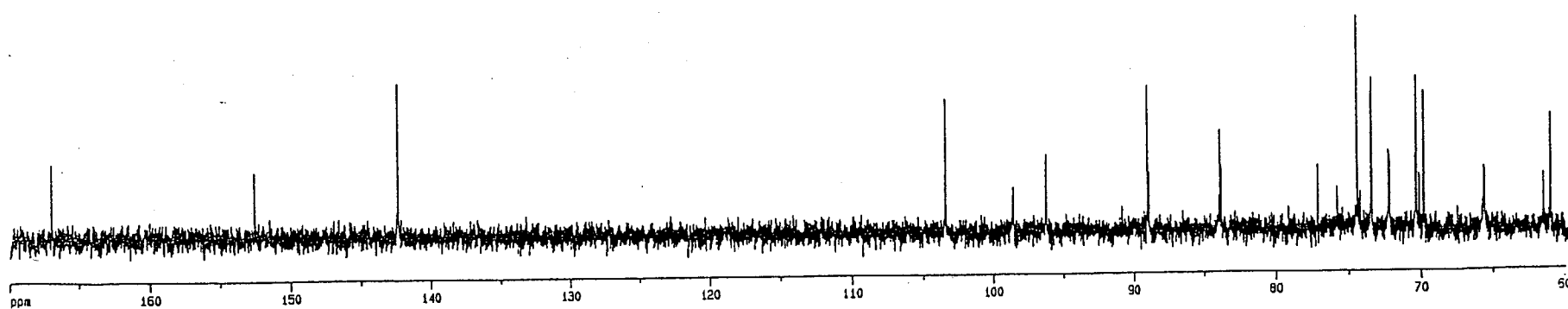
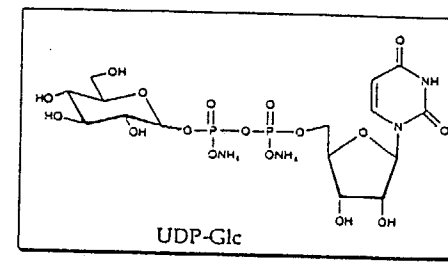
Mon Sep 1 22:07:07 1997

PL-15-SB

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^{13}C NMR (DEPT) (100.6 MHz), **14** in D_2O

