

Supporting Information

Synthesis of oligodeoxynucleotides by using oxidative cleavable 4-methoxytritylthio (MMTrS) group for the protection of the 5'-hydroxyl group

Kohji Seio, Miyuki Shiraishi, Eri Utagawa, Akihiro Ohkubo and Mitsuo Sekine**

Department of Life Science, Tokyo Institute of Technology,

4259 Nagatsuta, Midori-ku, Yokohama, Japan

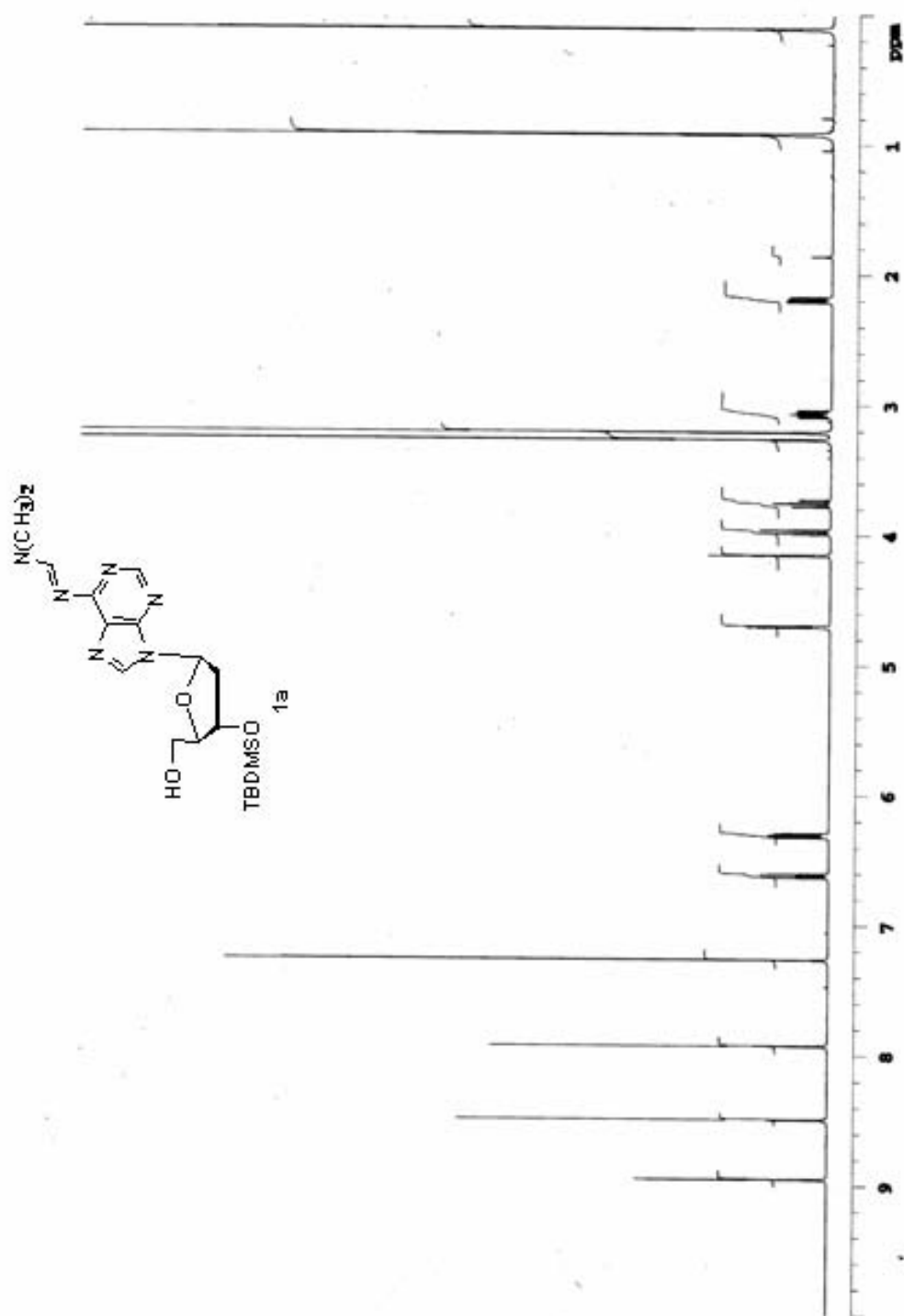
kseio@bio.titech.ac.jp

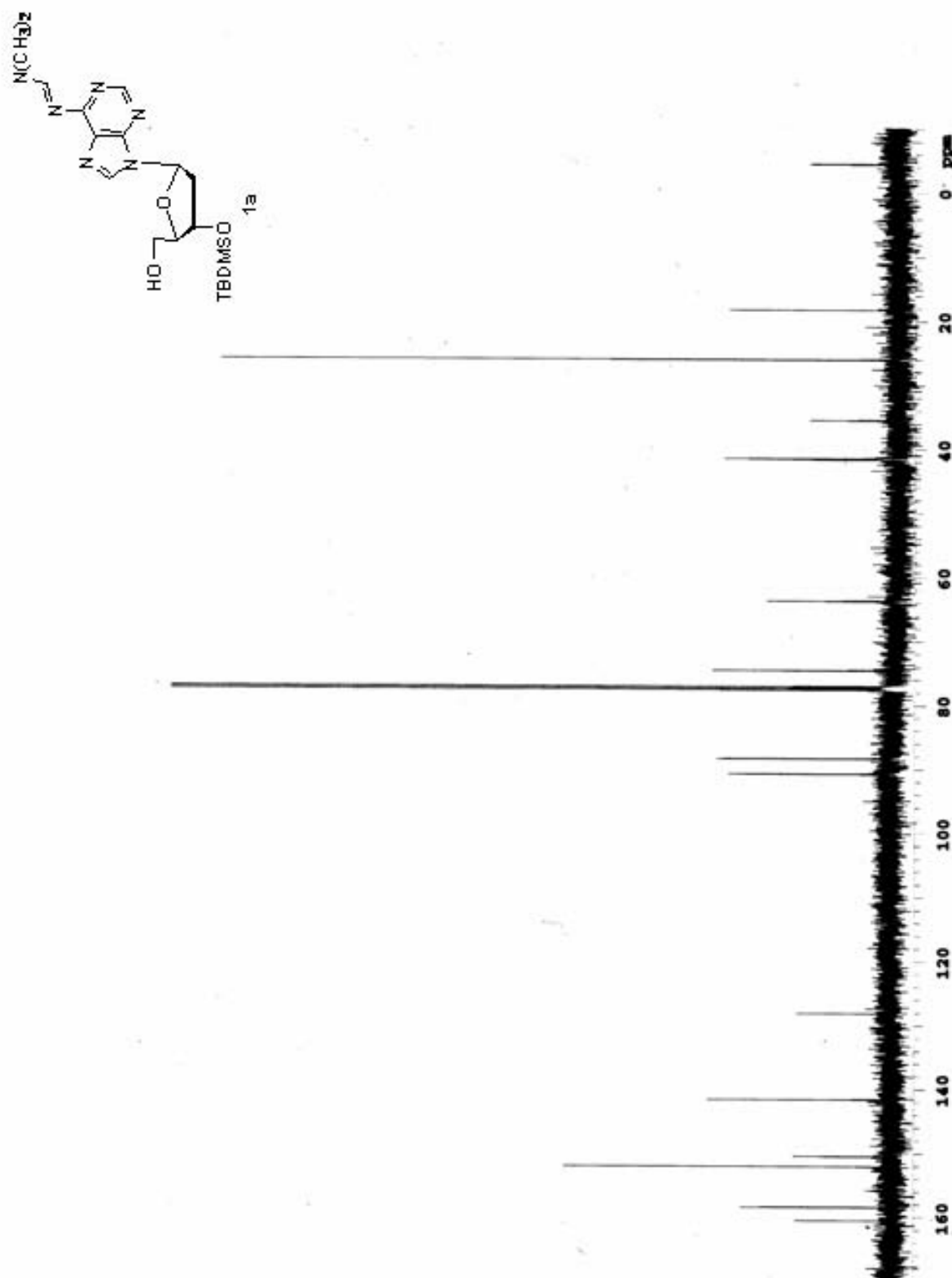
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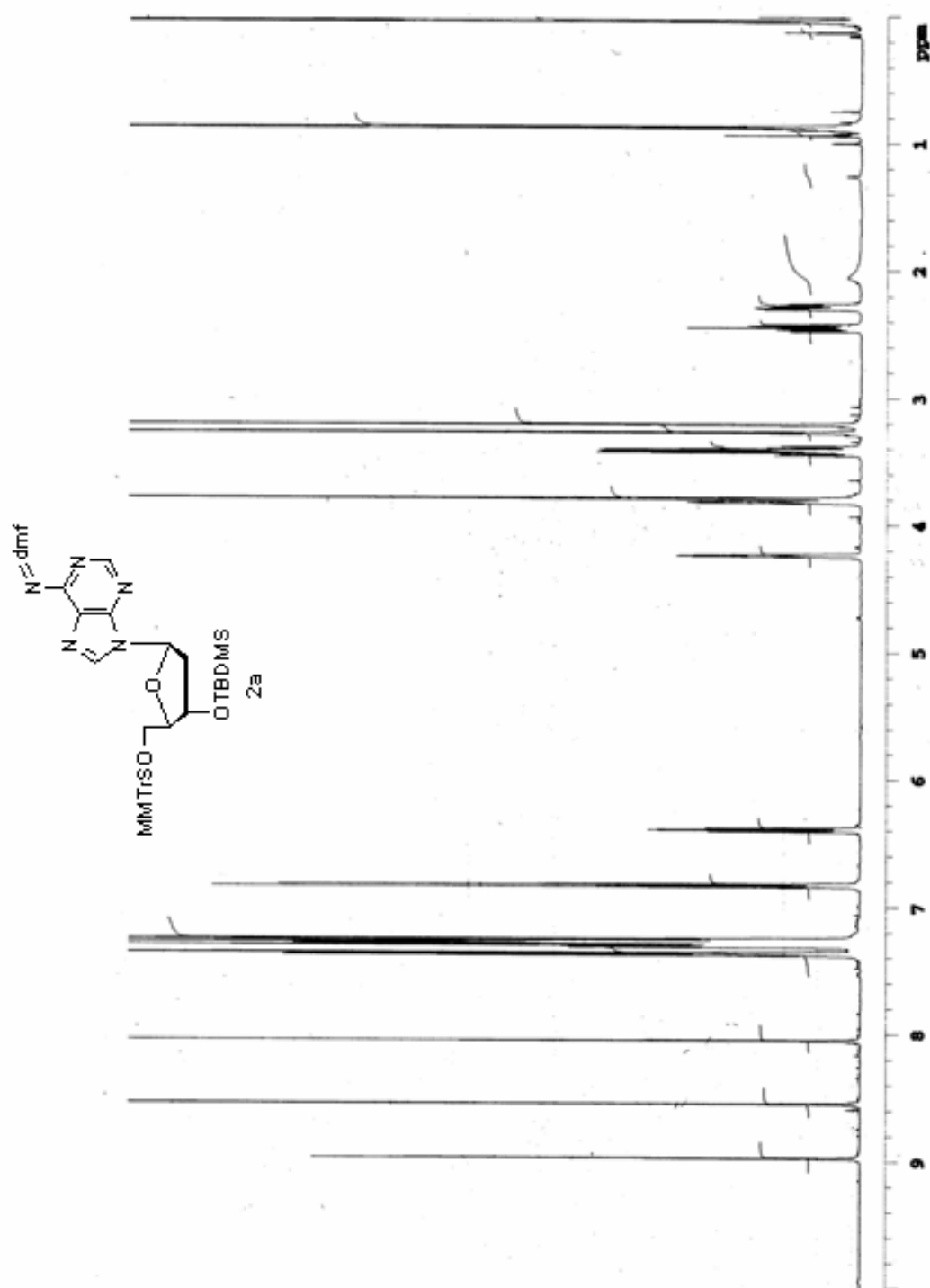
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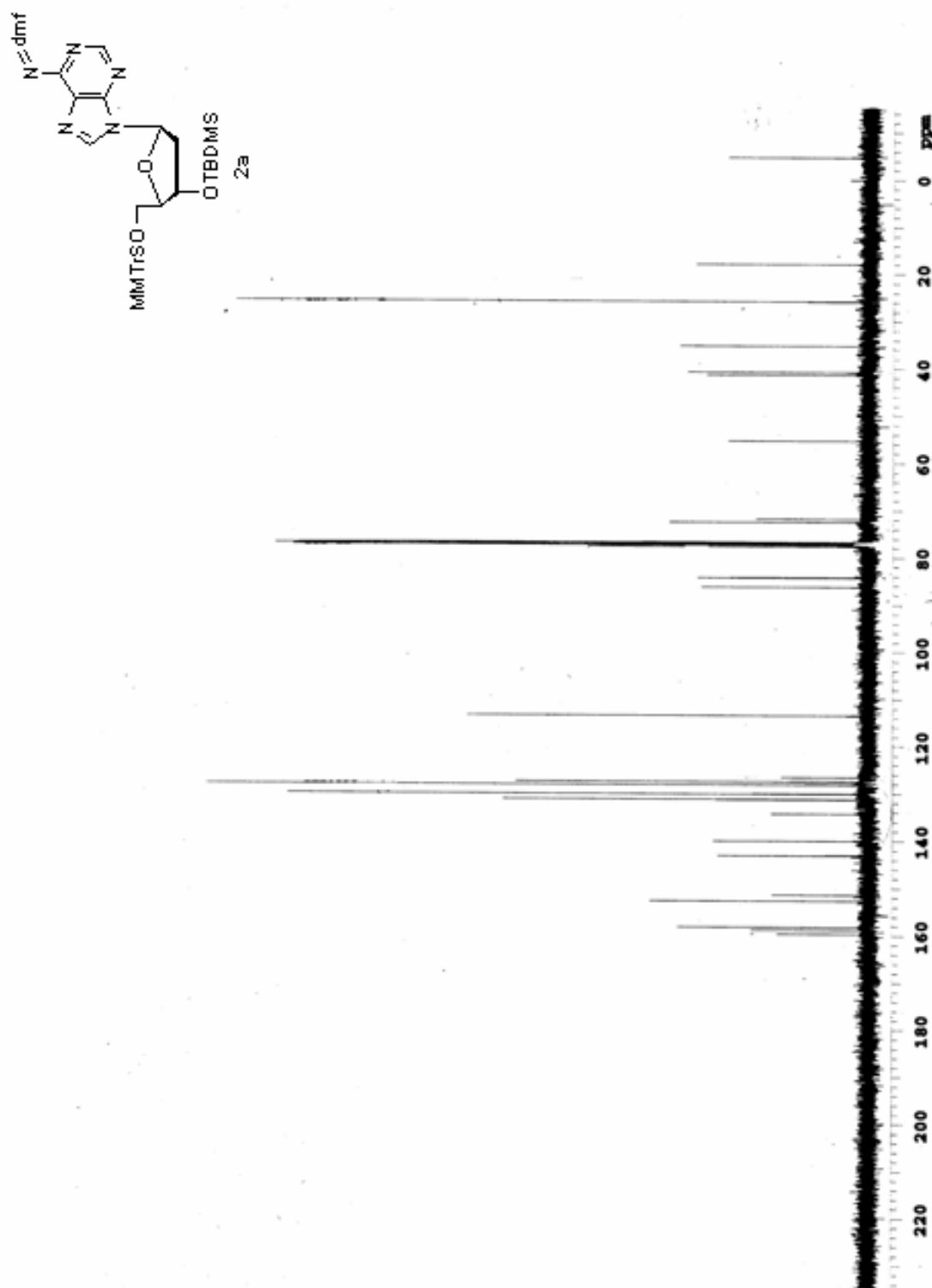
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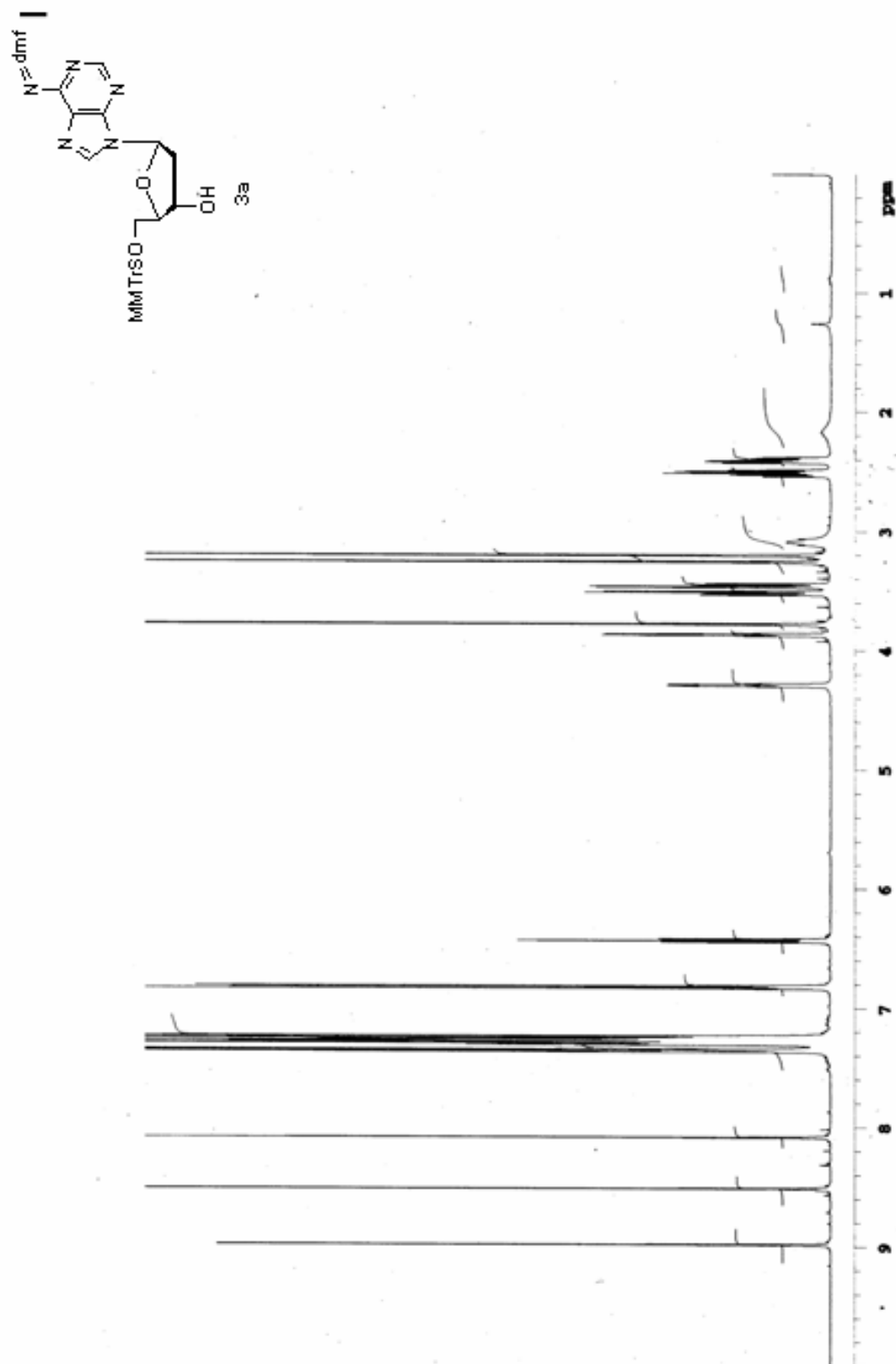
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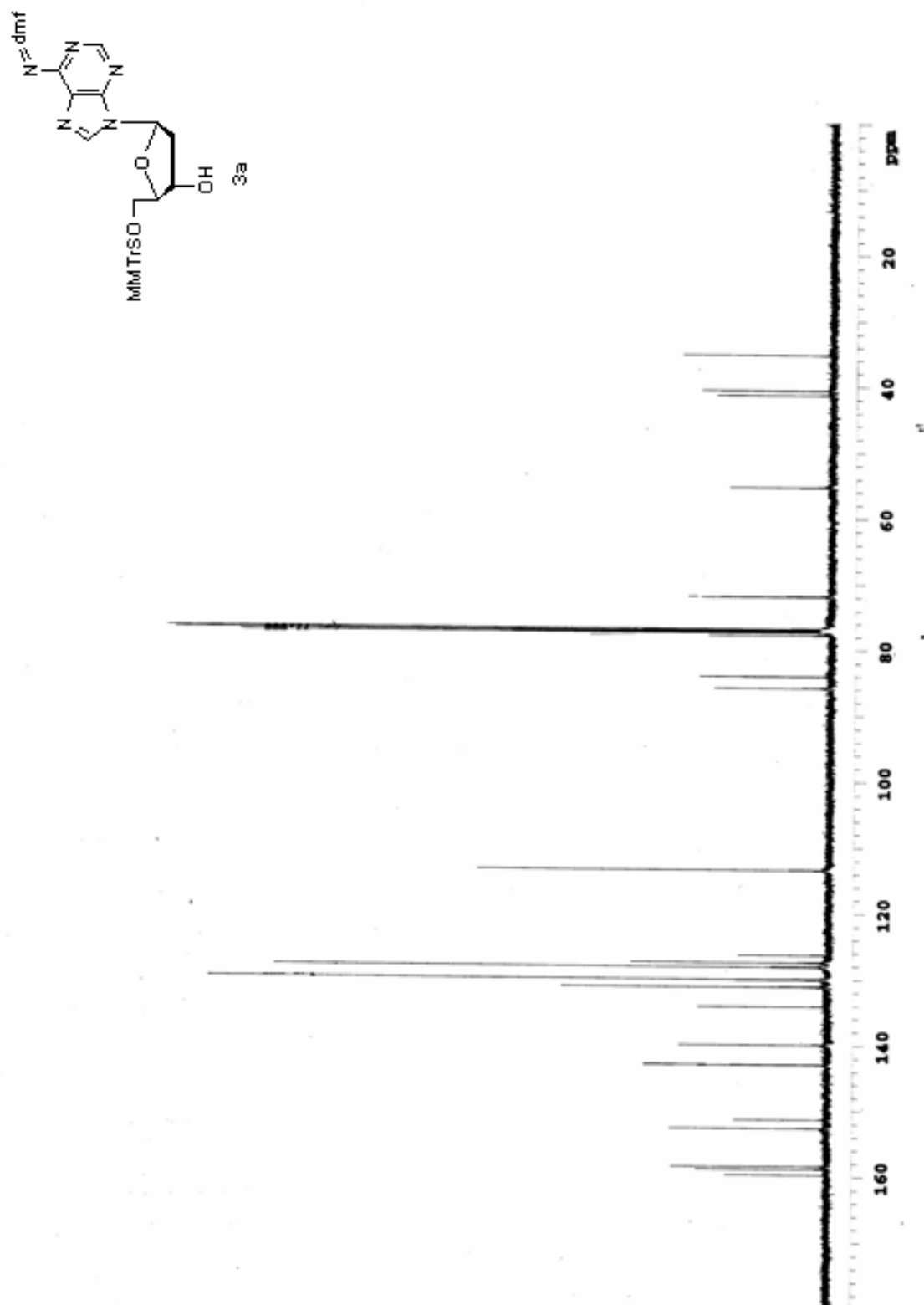


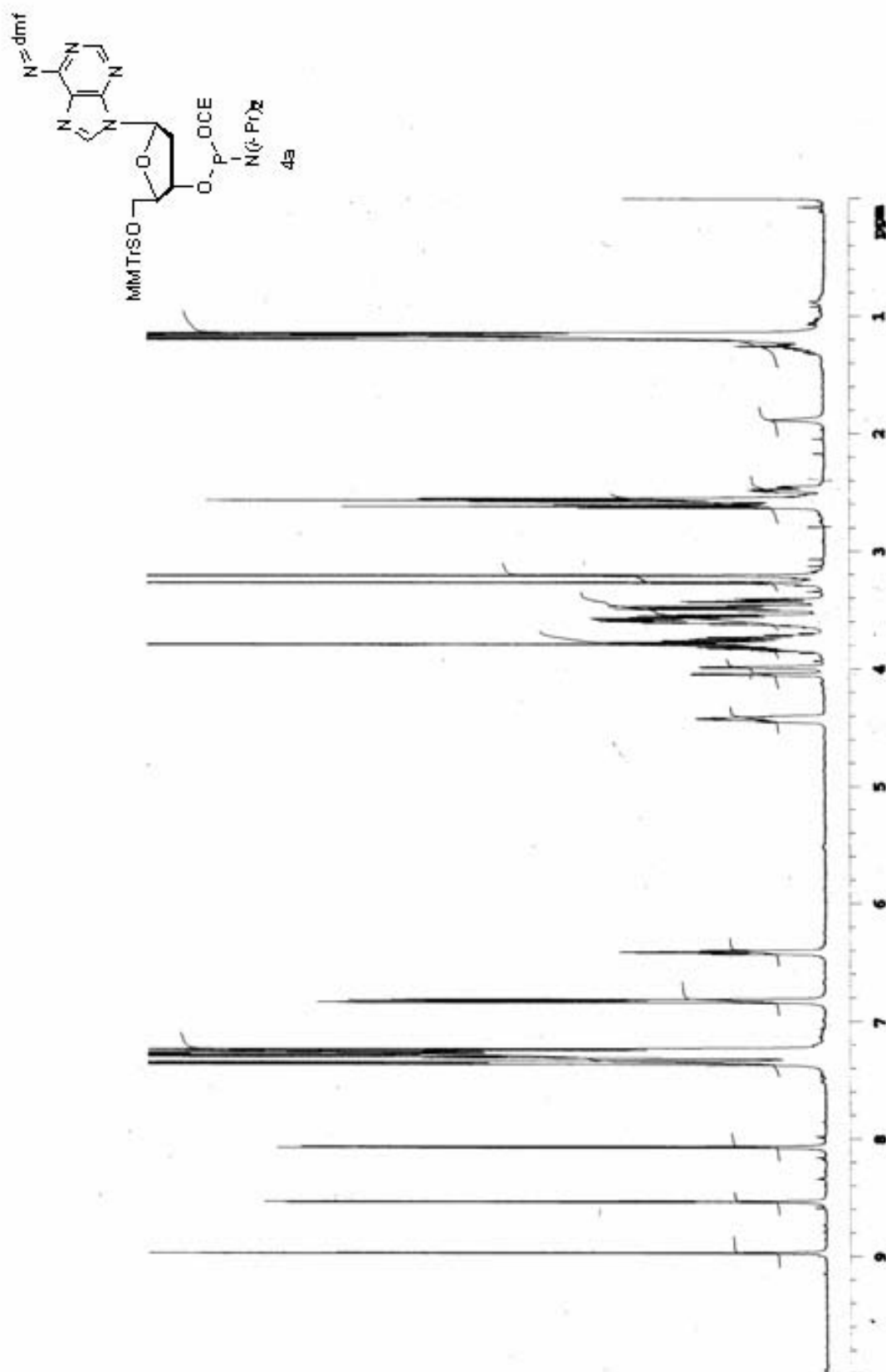


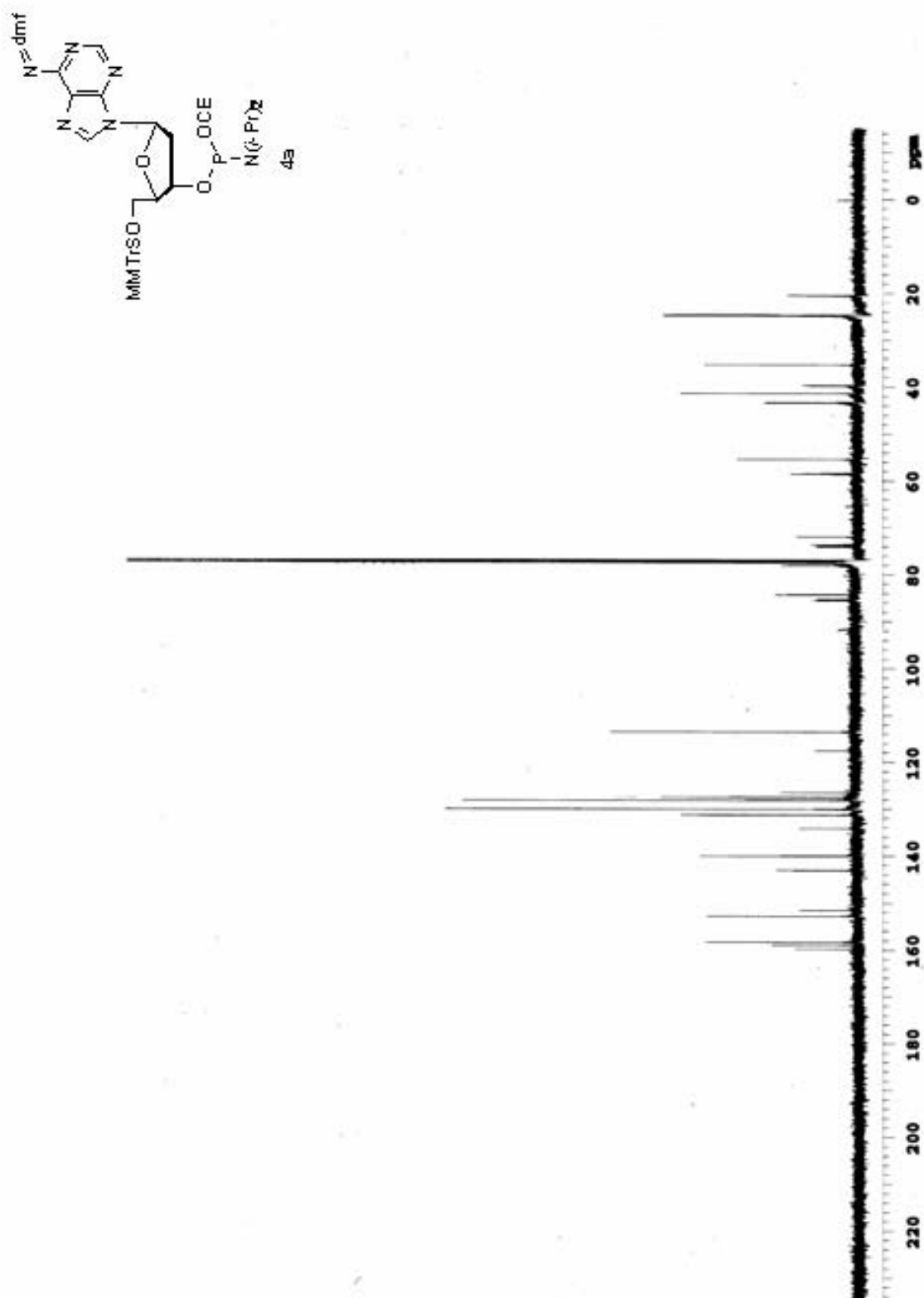


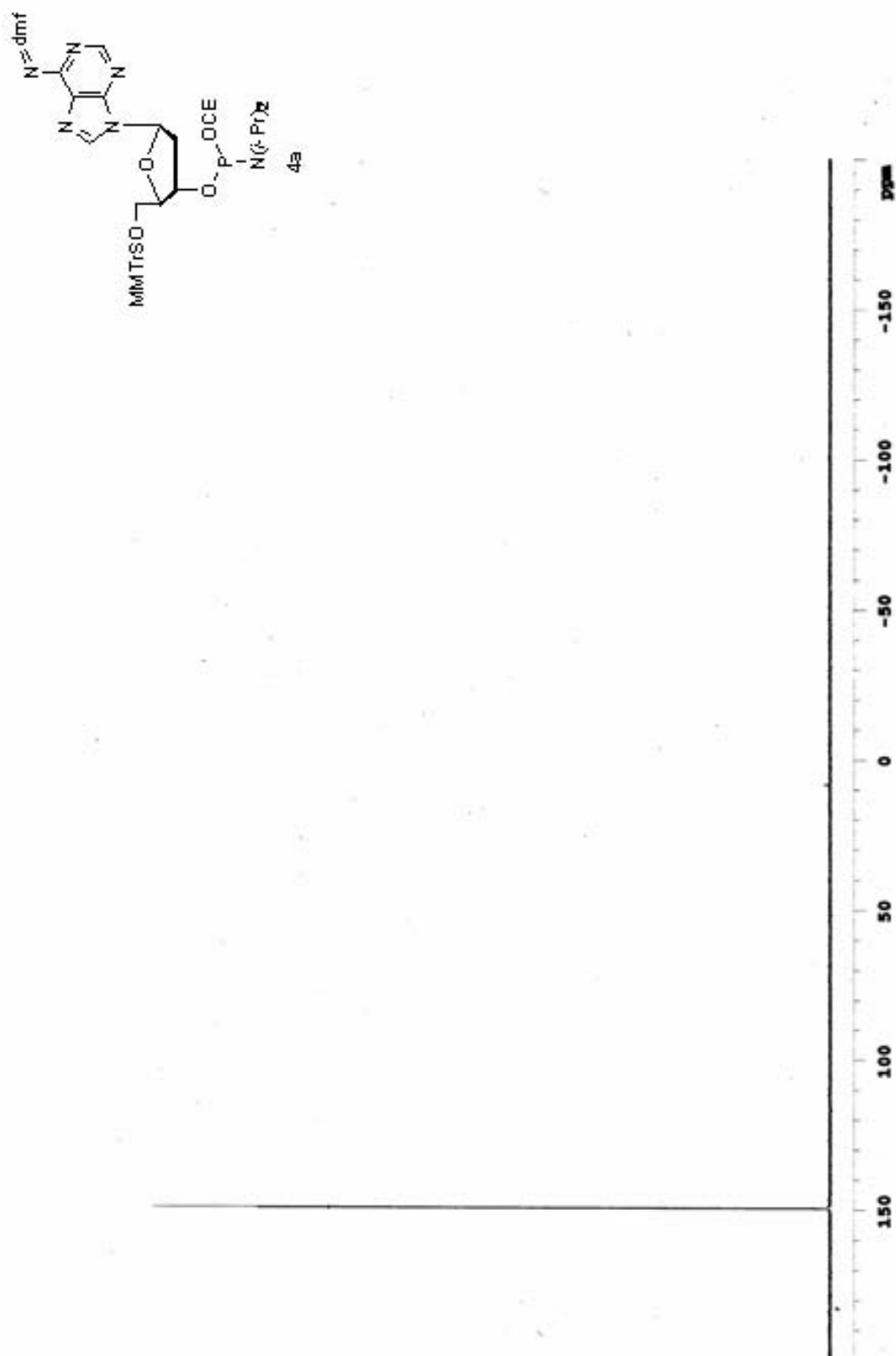


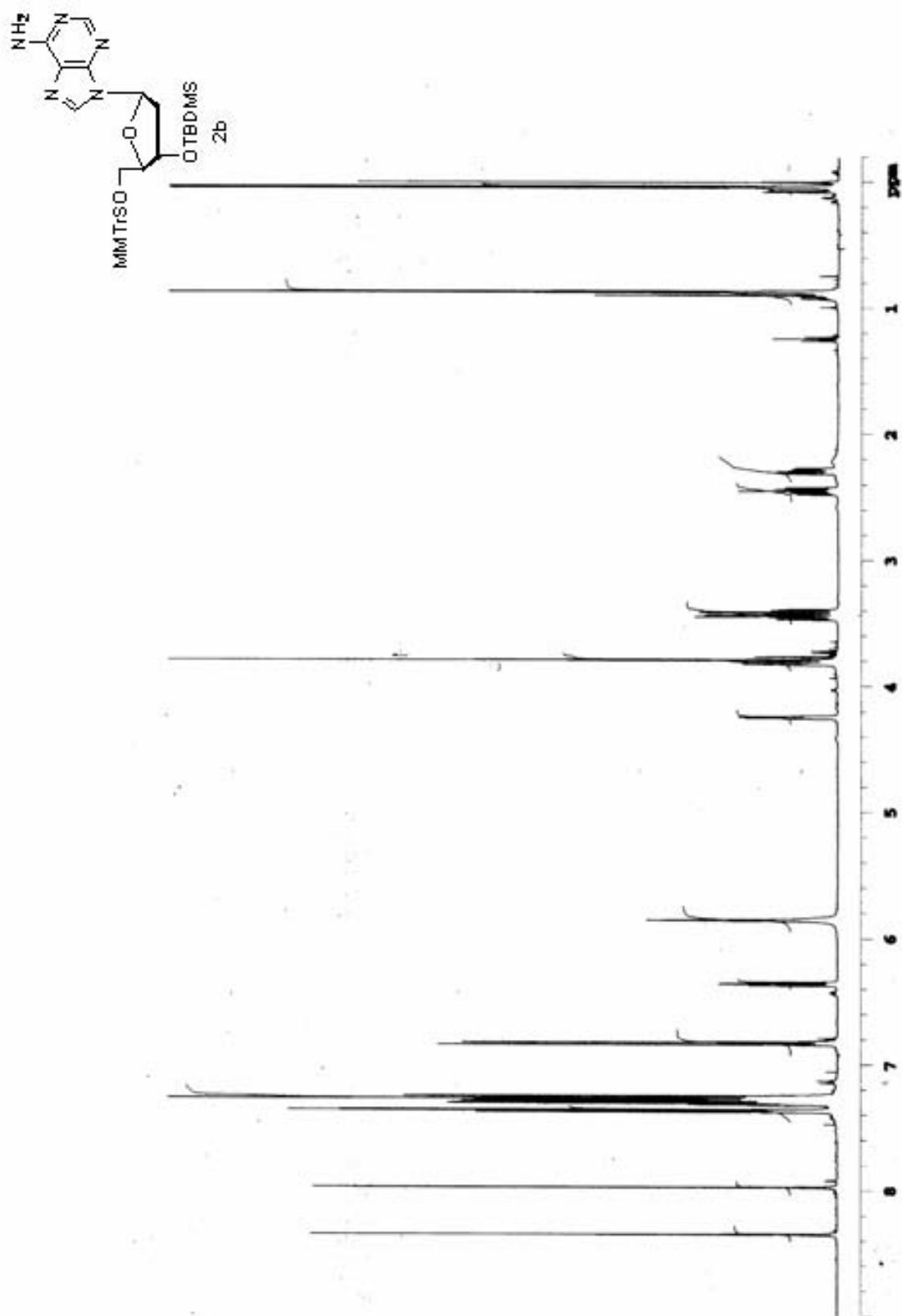


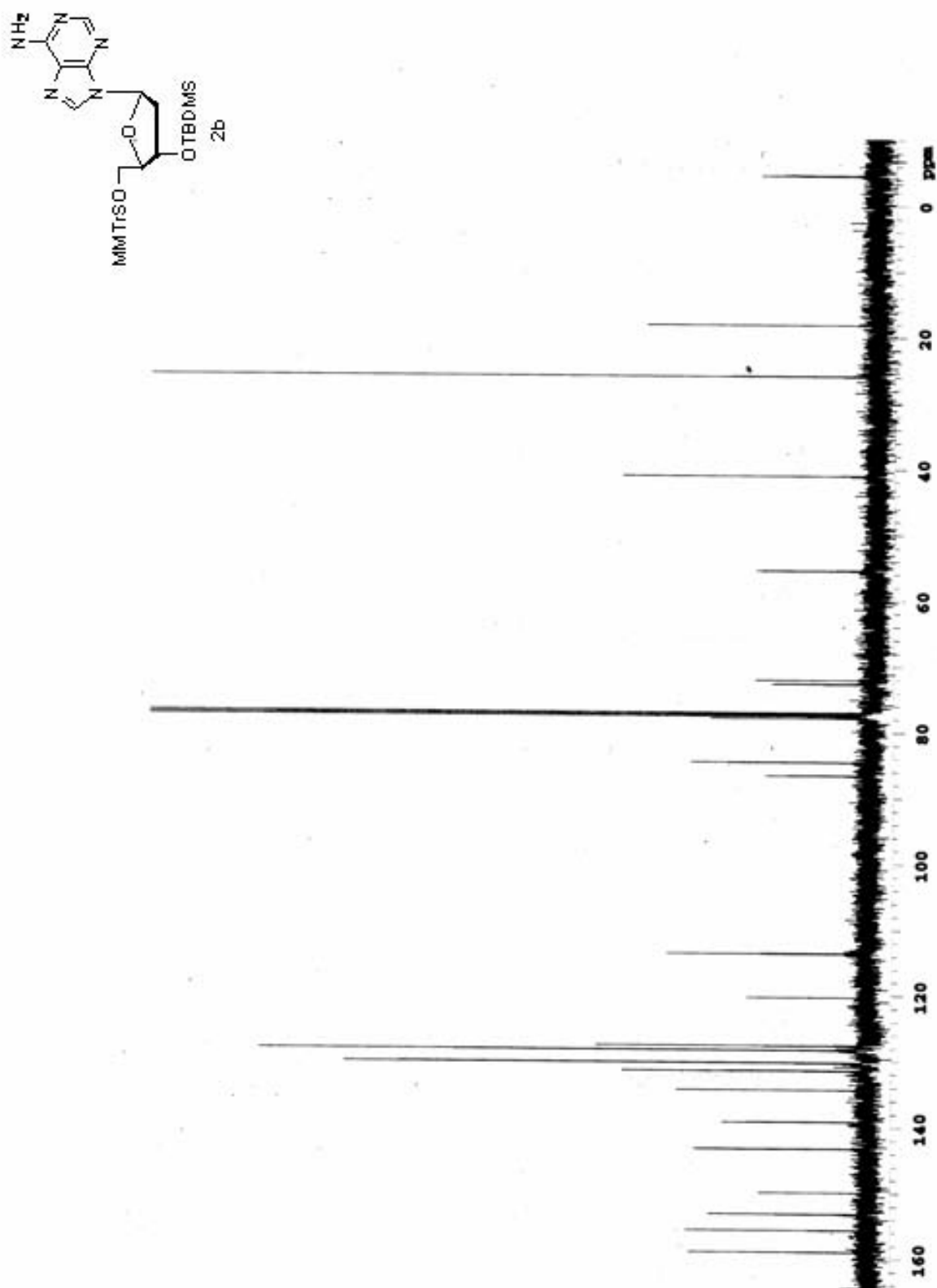


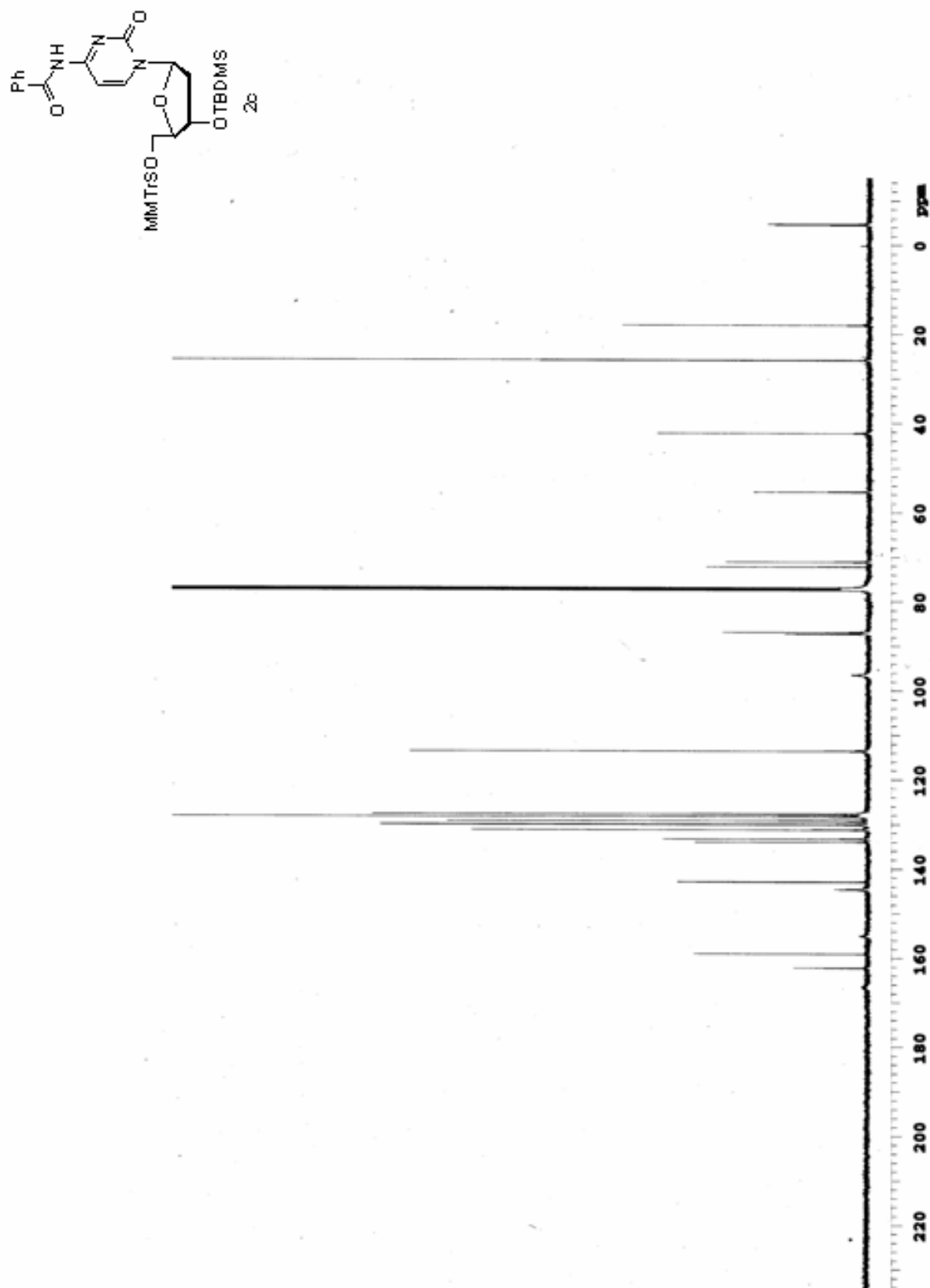


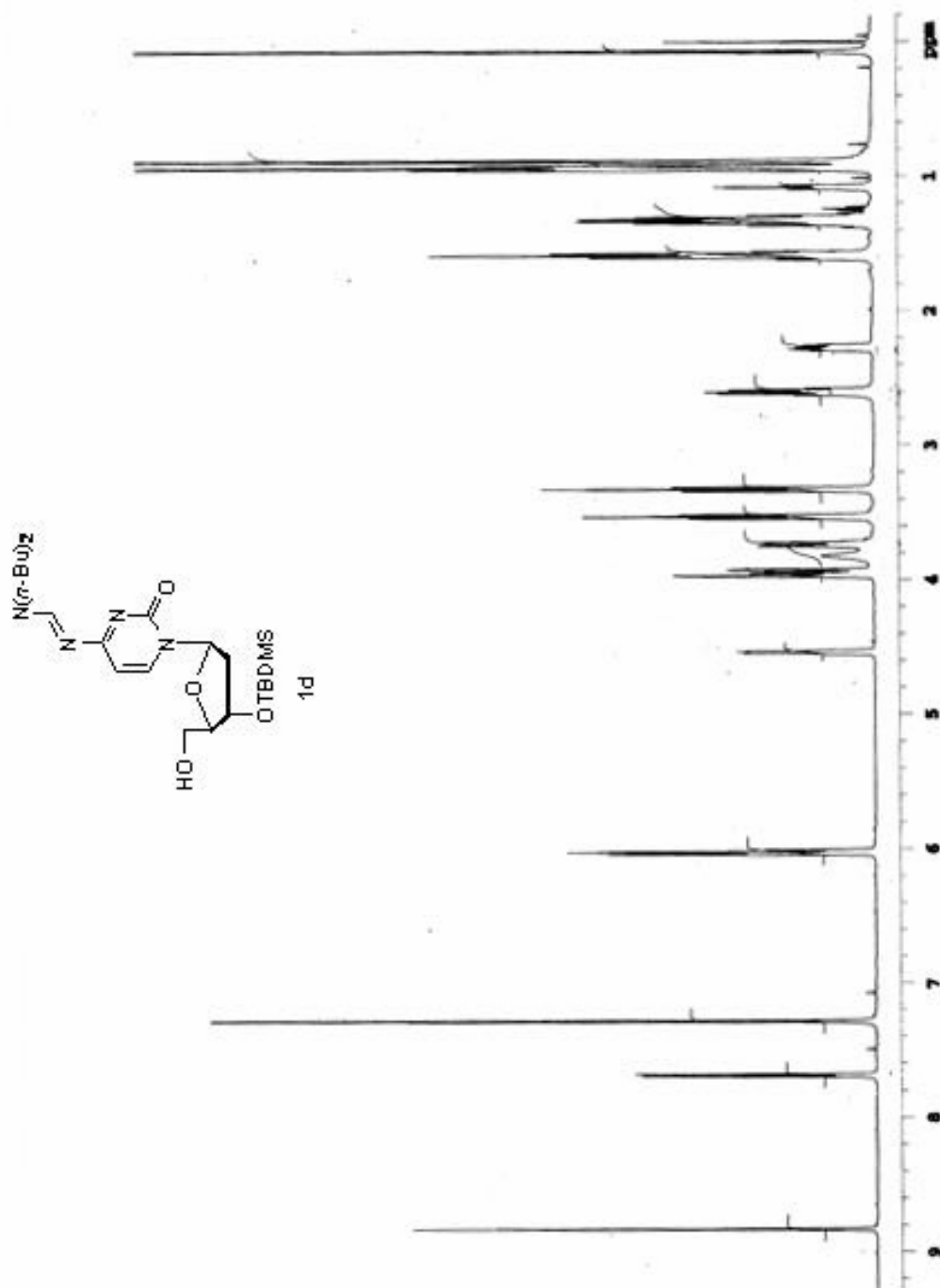




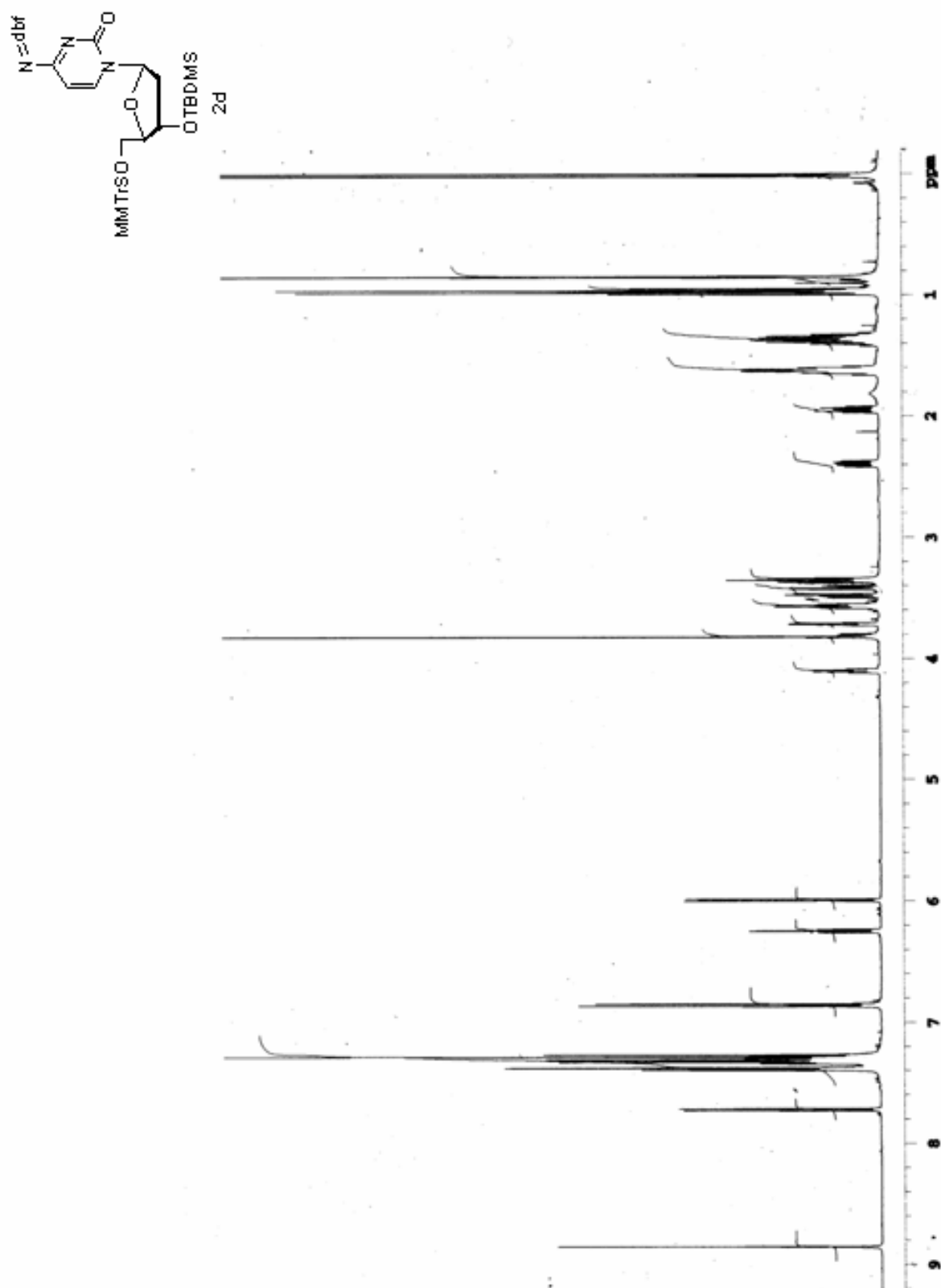


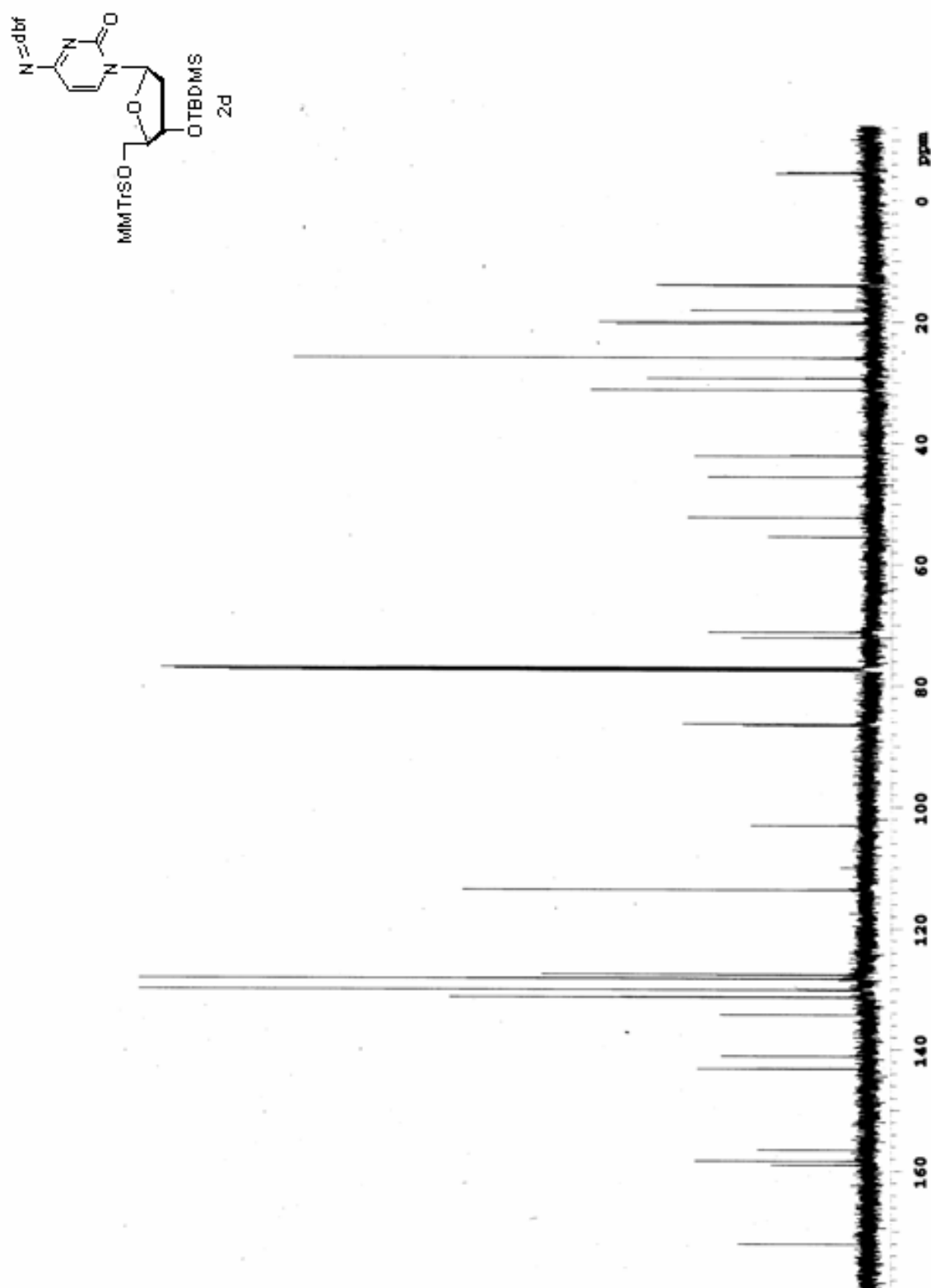


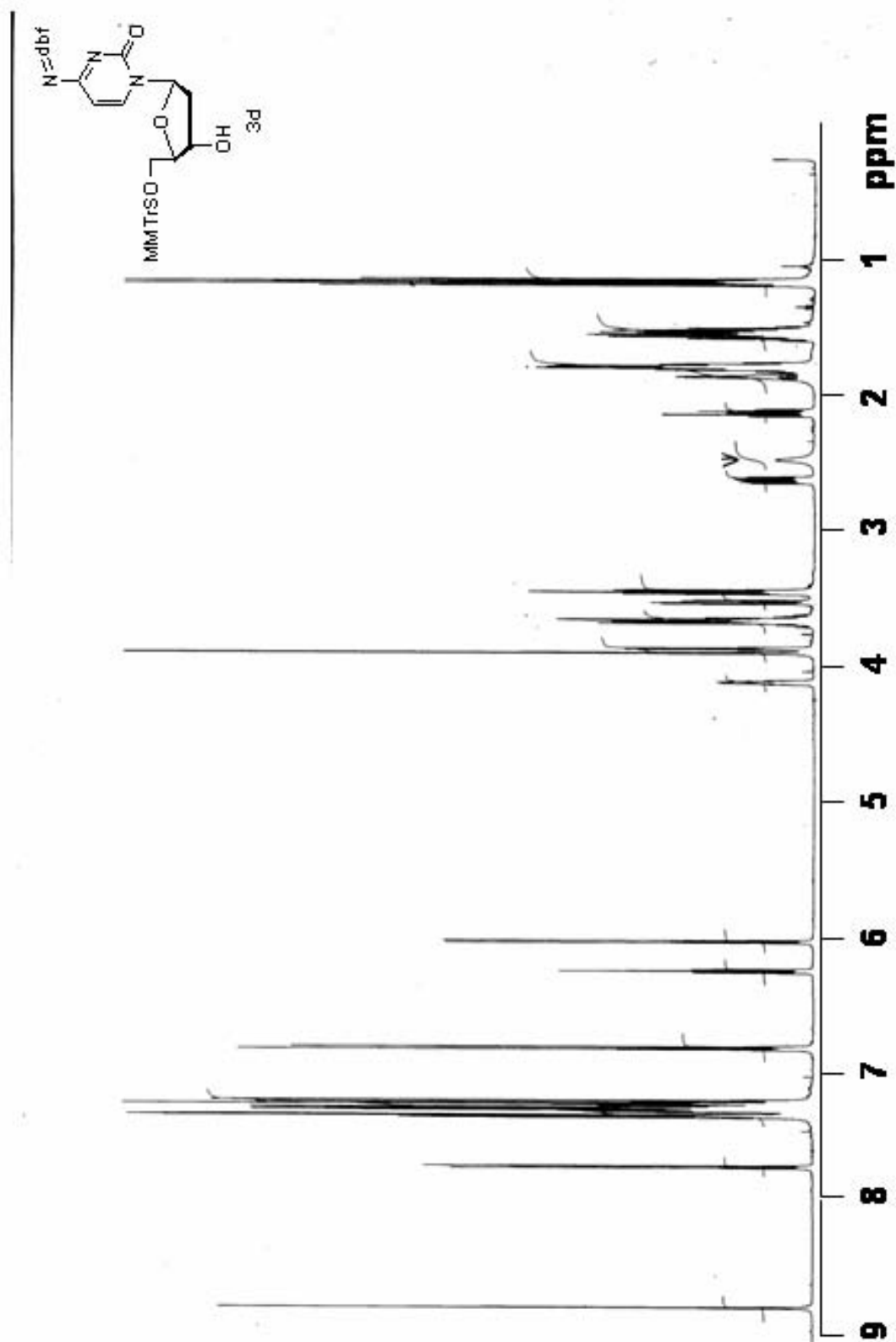


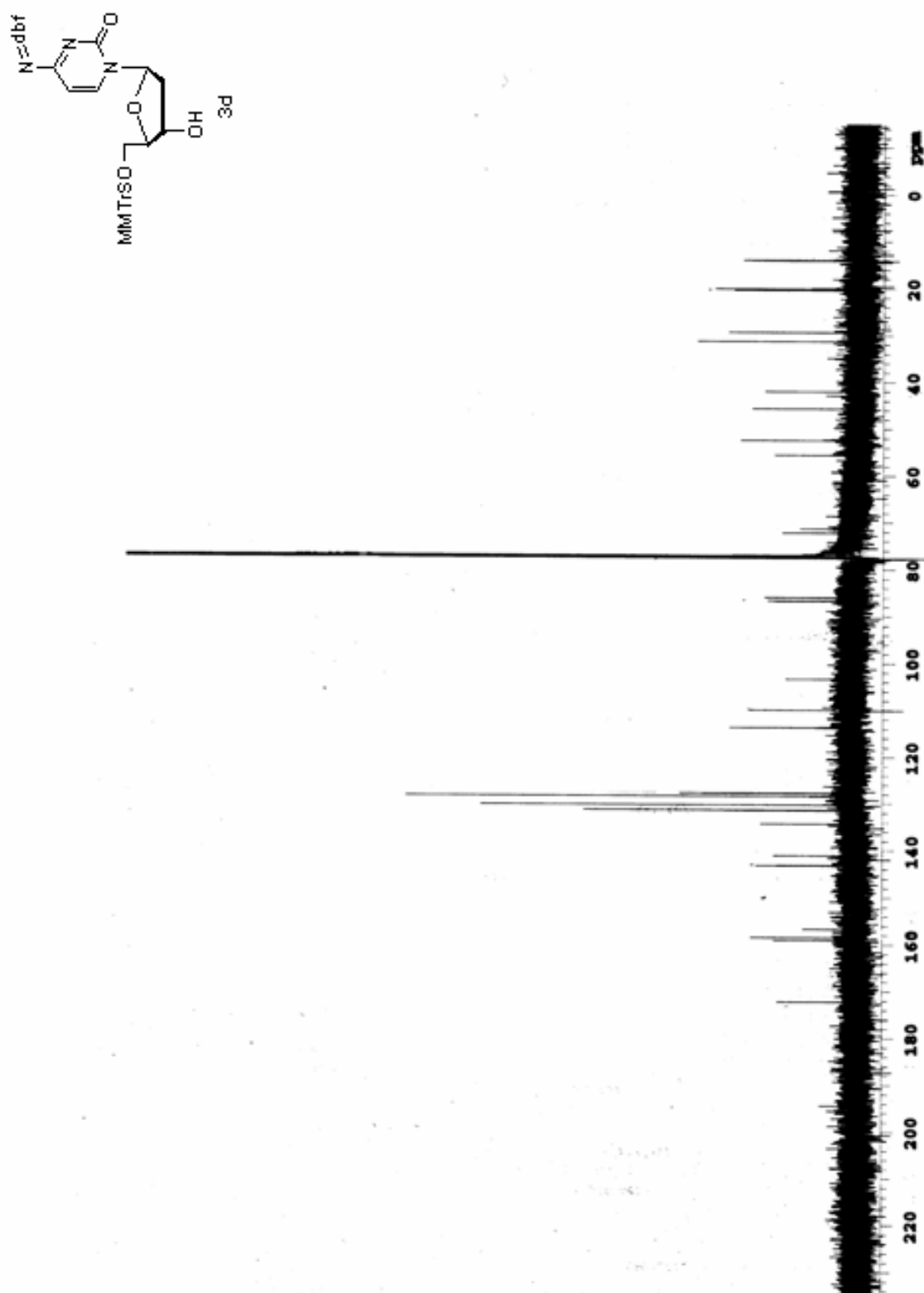


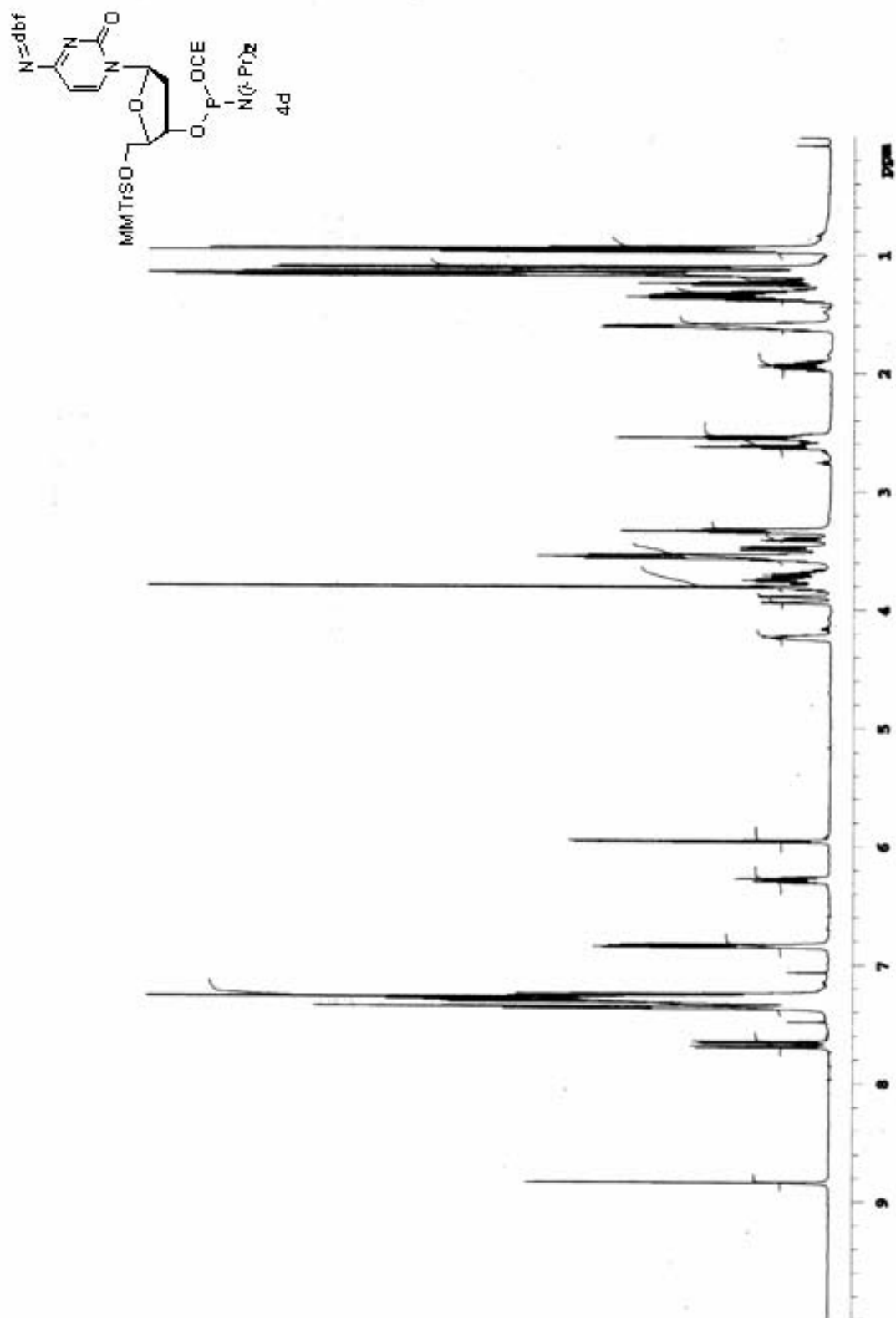


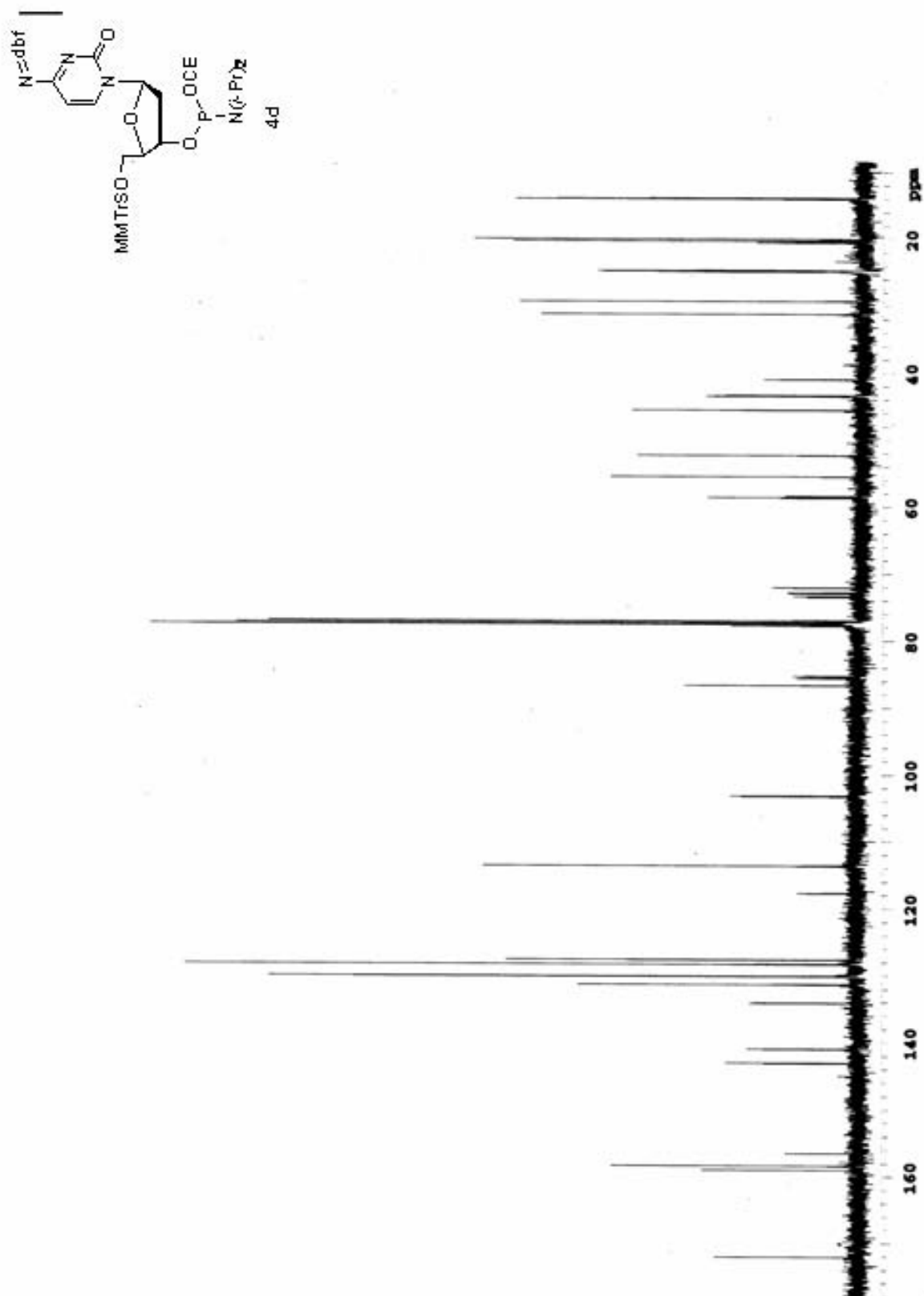


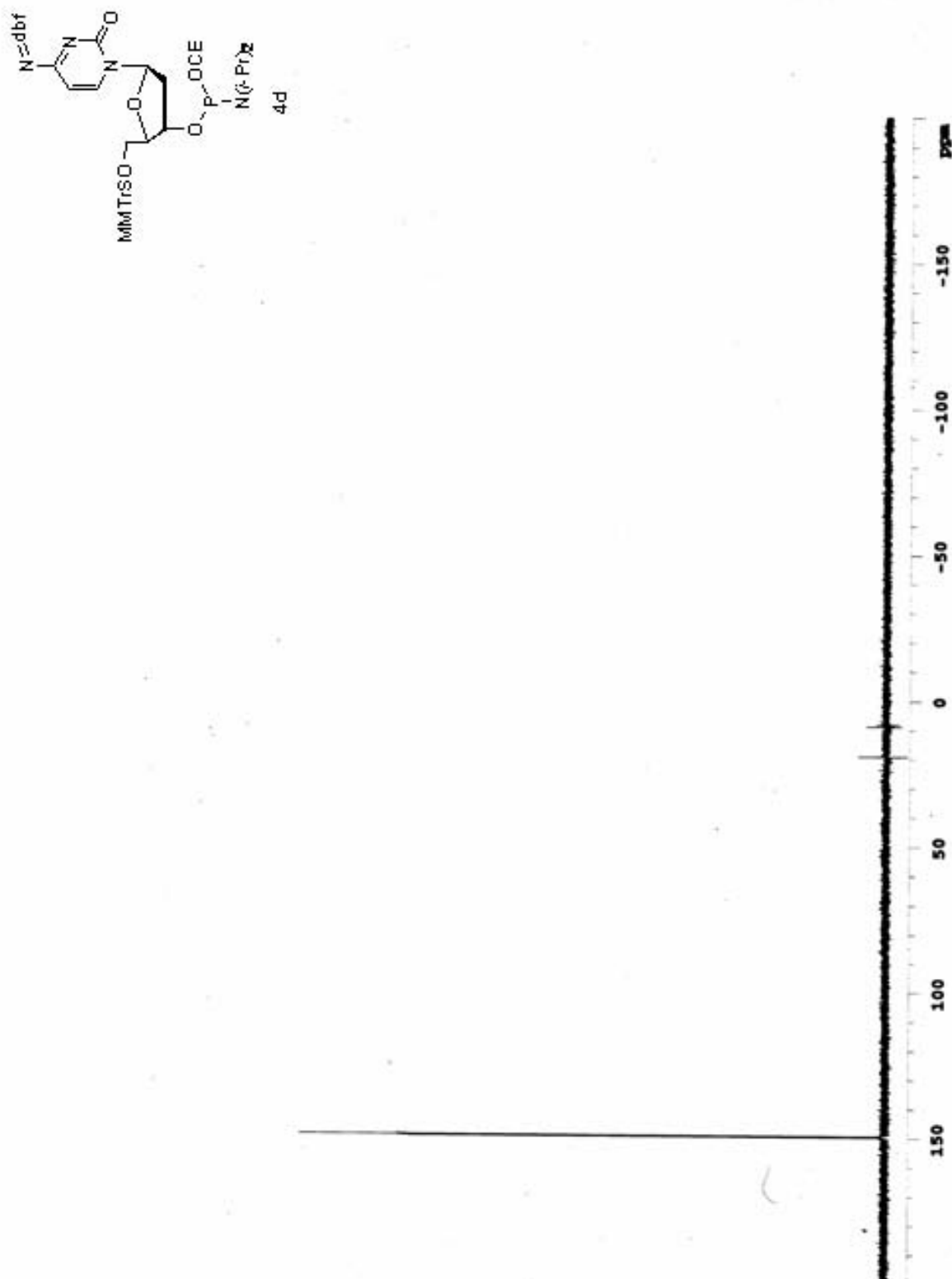


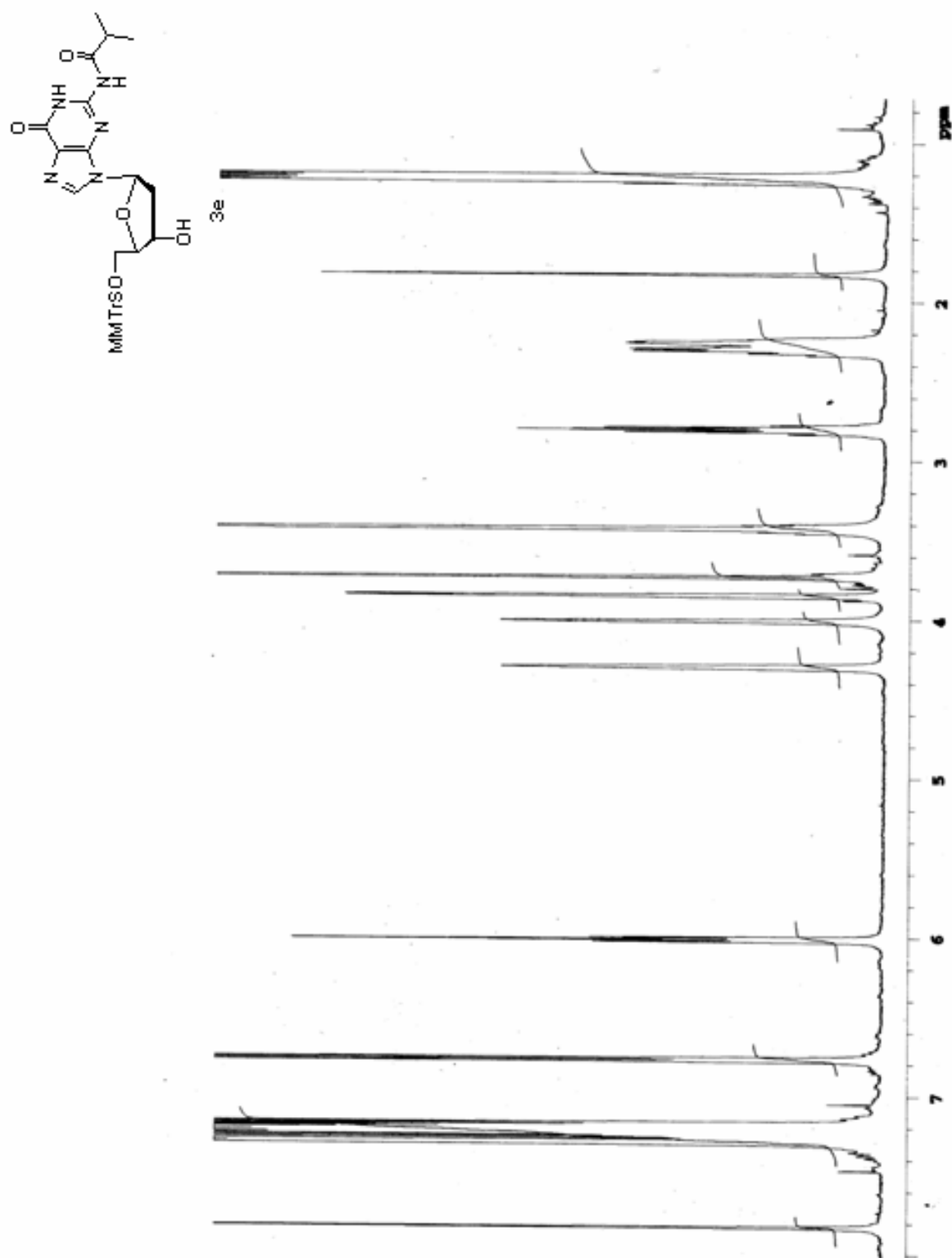


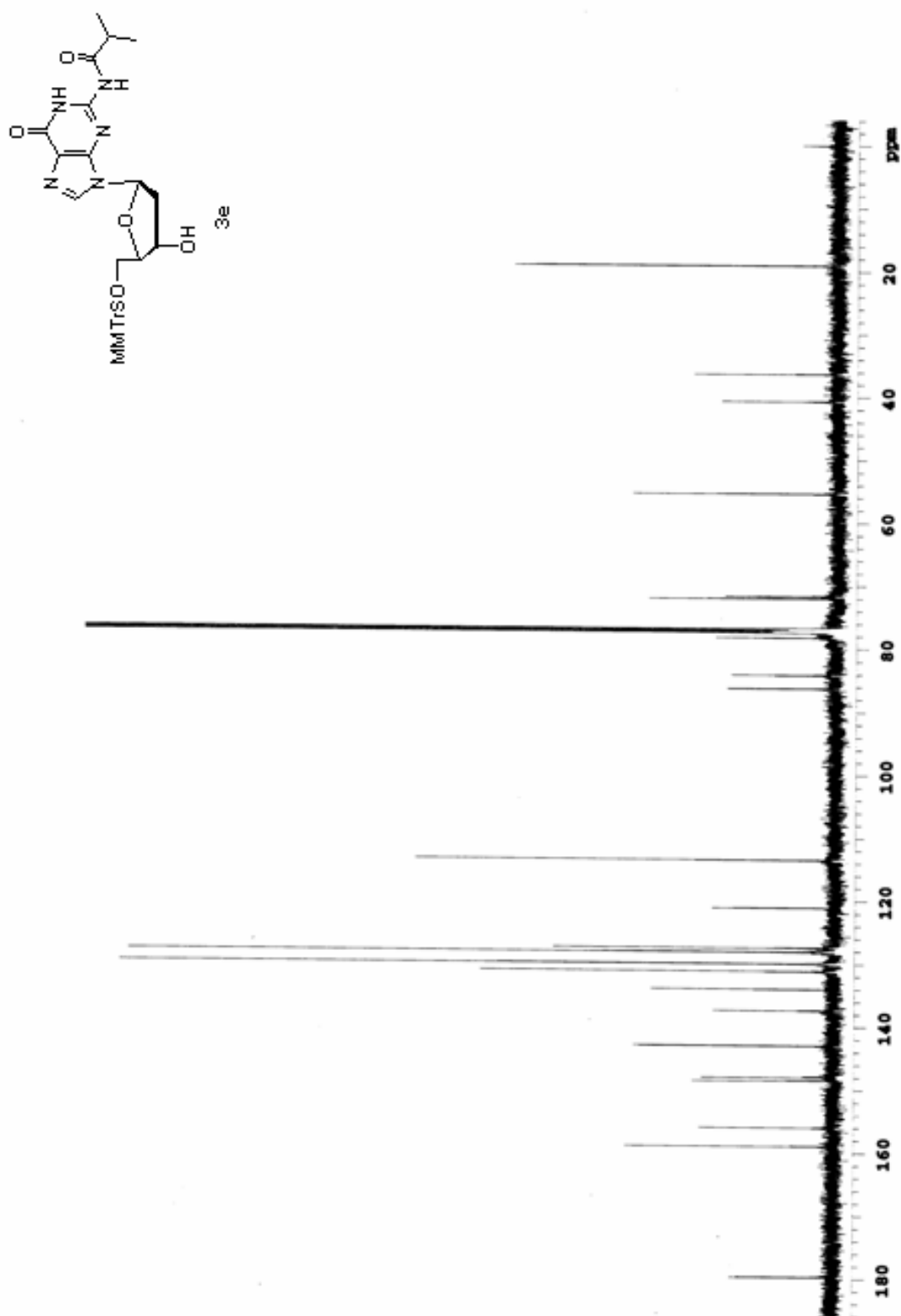


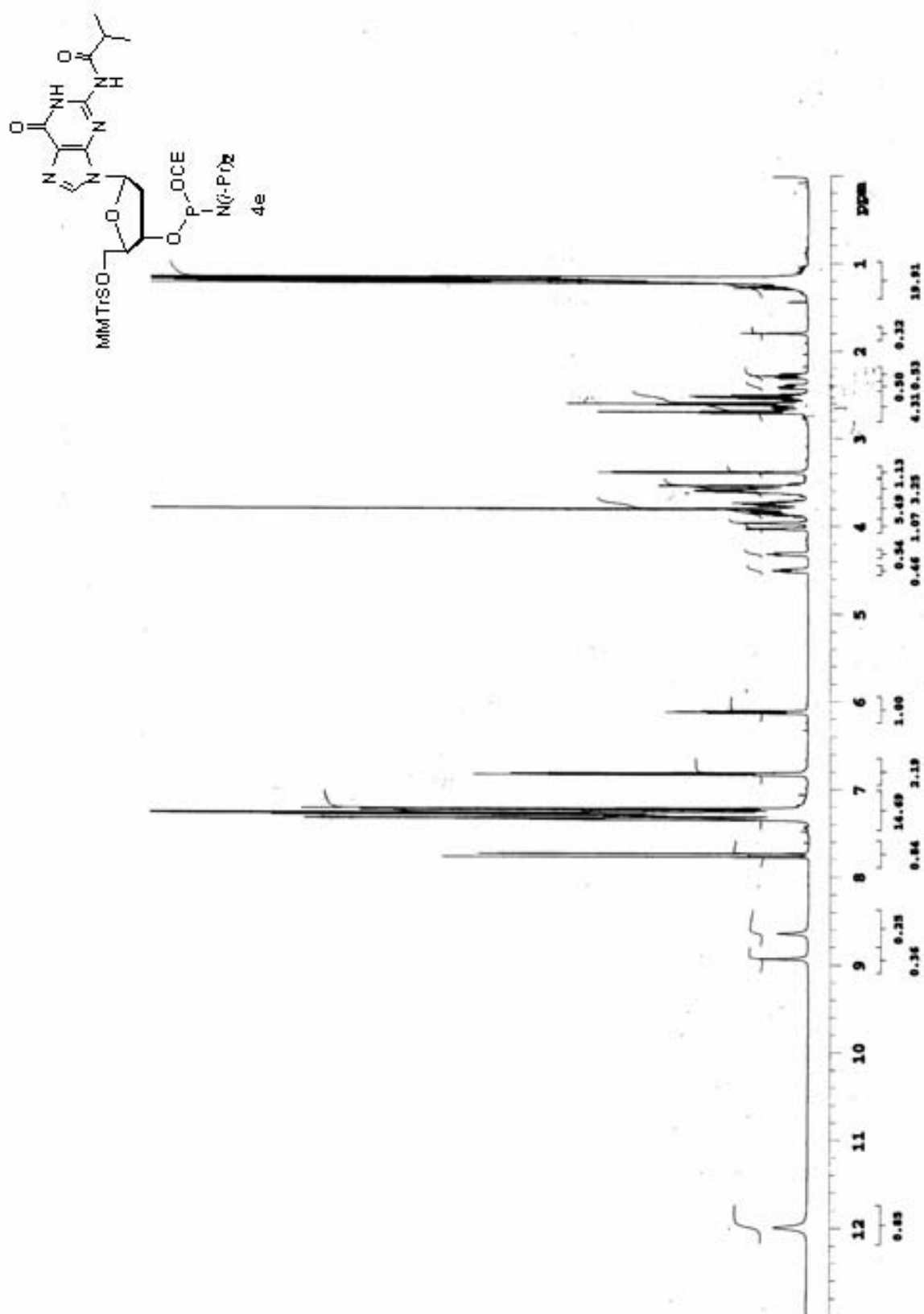


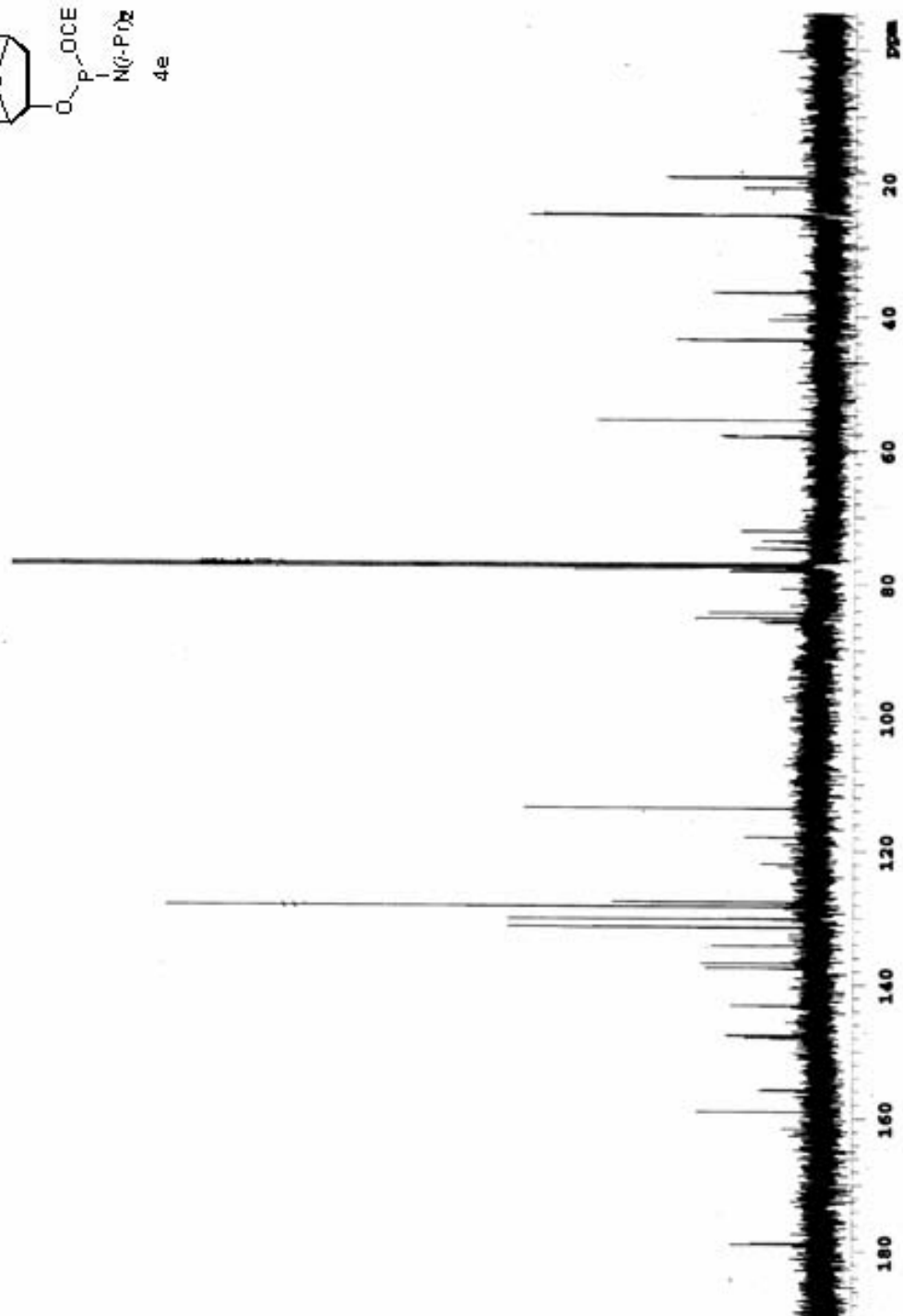












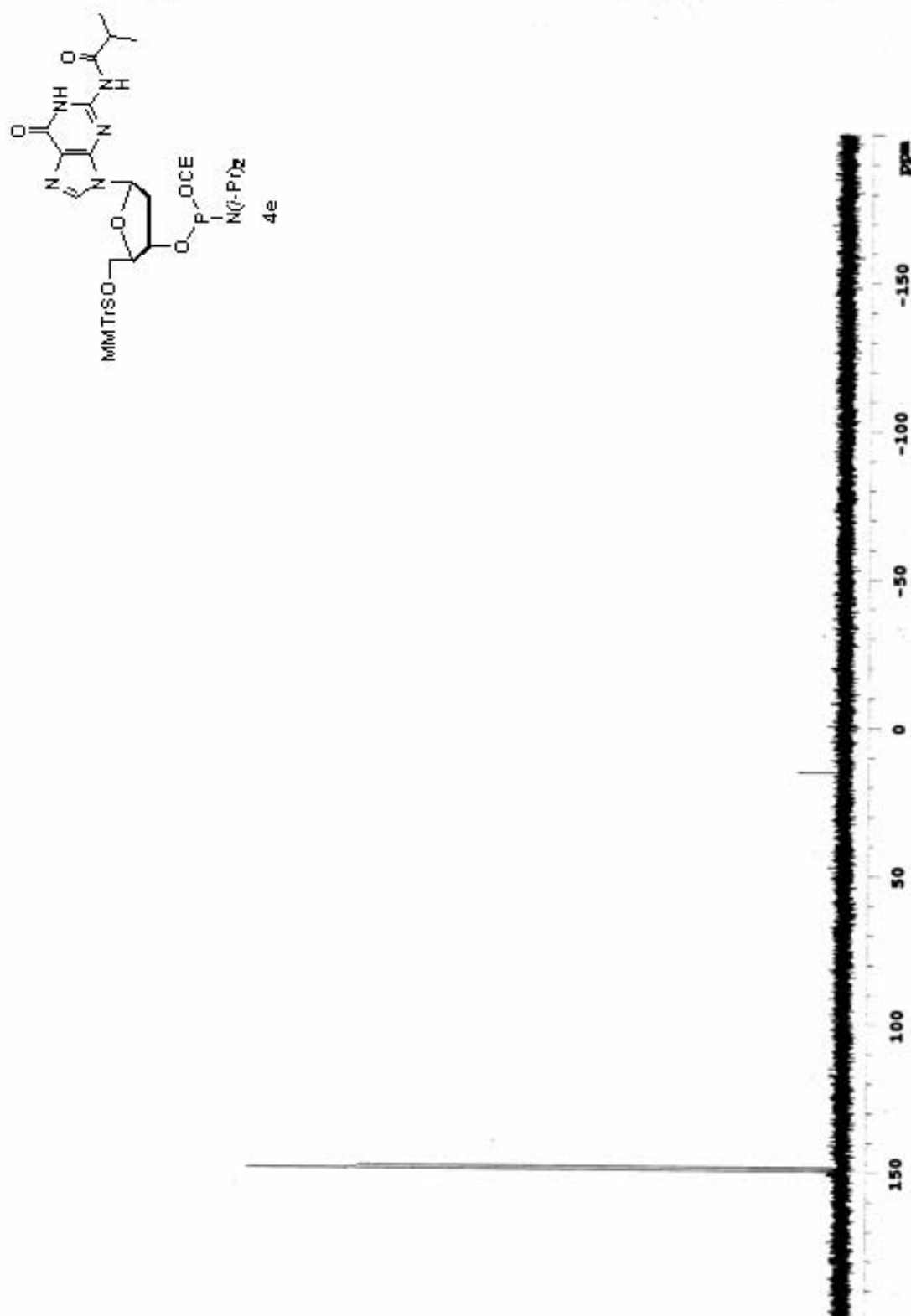


Table S1. Protocol for the automated synthesis. Bottle 18, 14 and 15 is CH₃CN and 0.1 M iodine solution, respectively

step number	Section Name	Function Name	Step Time (s)
1		Begin	
2		18 to Waste	3.0
3		18 to Column	10.0
4		Reverse Flush	10.0
5		Block Flush	4.0
6		Phos Prep	3.0
7		Column 1 On	
8	Coupling Section	Block Vent	2.0
9		Tet to Waste	1.7
10		B+Tet to Column	2.5
11		Tet to Column	1.0
12		B+Tet to Column	2.5
13		Push to Column	
14		Column 1 Off	
15		Wait	25.0
16		Cap Prep	3.0
17		18 to Waste	4.0
18	Capping Section	Reverse Flush	7.0
19		Block Flush	3.0
20		Cap to Column	10.0
21		Wait	5.0
22		18 to Waste	4.0
23		Reverse Flush	7.0
24		Block Flush	3.0
25	Iodine Oxydation	15 to Column	8.0
26	and	18 to Waste	4.0
27	Deprotecting	Block Flush	3.0
28	Section	Wait	15.0
29		18 to Column	10.0
30		Flush to Waste	6.0
31		18 to Column	10.0
32		Reverse Flush	7.0
33		Block Flush	3.0
34		15 to Column	8.0
35		18 to Waste	4.0

36	Block Flush	3.0
37	Wait	15.0
38	18 to Column	10.0
39	Flush to Waste	6.0
40	18 to Column	10.0
41	Reverse Flush	7.0
42	Block Flush	3.0
.....		
43	End	

