

A PRACTICAL SYNTHESIS OF GLYCINAMIDE RIBONUCLEOTIDE (GAR)

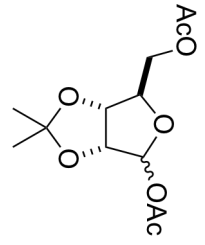
Debarpita Ray, Penny J. Beuning, Mary Jo Ondrechen and George A. O'Doherty*[†]

[†]Department of Chemistry and Chemical Biology, Northeastern University, Boston, MA
02115

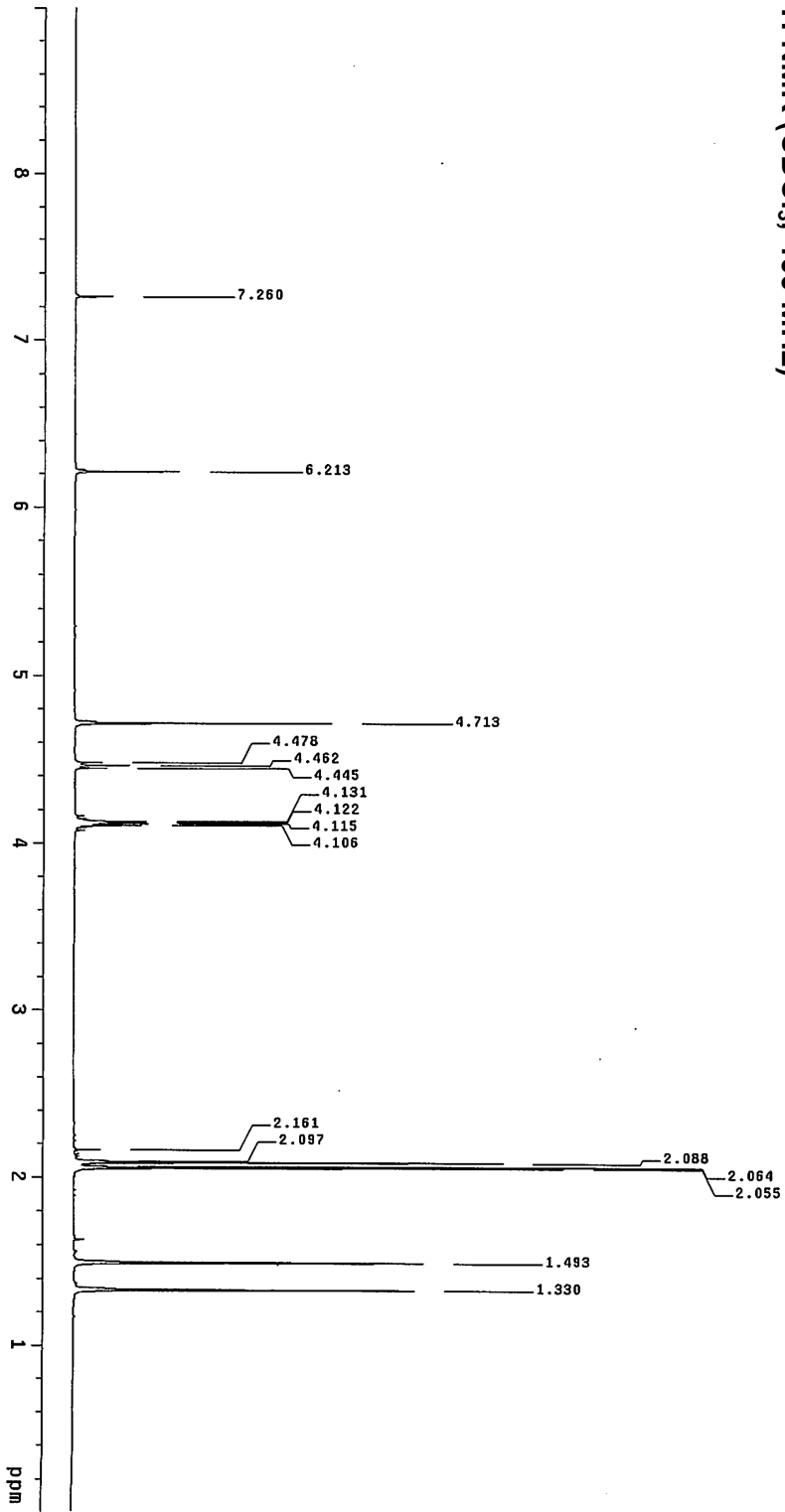
Corresponding author e-mail: g.odoherty@neu.edu

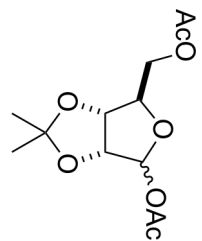
Supporting Information: ¹H and ¹³C NMR Spectra

¹ H NMR & ¹³ C NMR of 12	S2 & S3
¹ H NMR & ¹³ C NMR of 13	S4 & S5
¹ H NMR & ¹³ C NMR of 15a	S6 & S7
¹ H NMR & ¹³ C NMR of 15b	S8 & S9
¹ H NMR & ¹³ C NMR of 16a	S10 & S11
¹ H NMR & ¹³ C NMR of 16b	S12 & S13
¹ H NMR & ¹³ C NMR of 17a	S14 & S15
¹ H NMR & ¹³ C NMR of GAR	S16 & S17

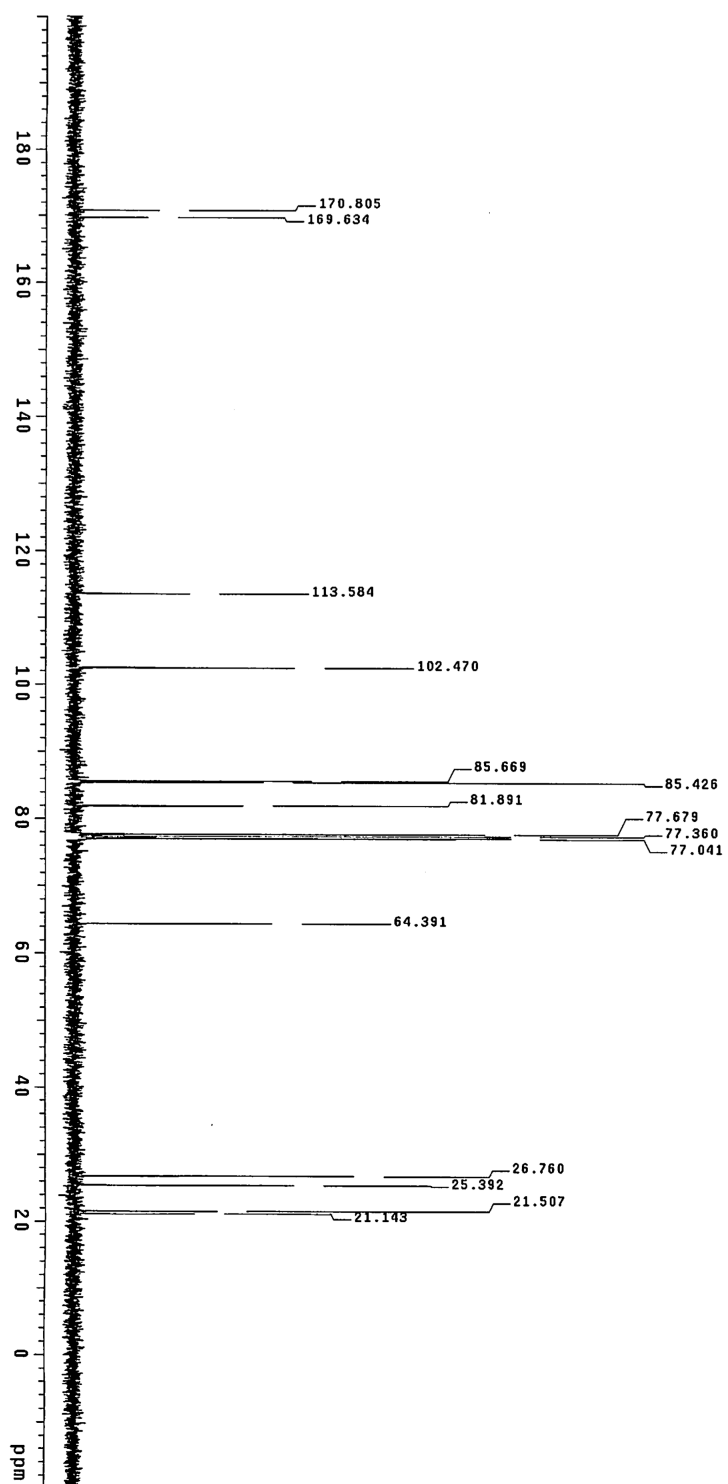


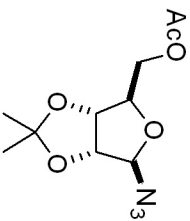
¹H NMR (CDCl₃, 400 MHz)



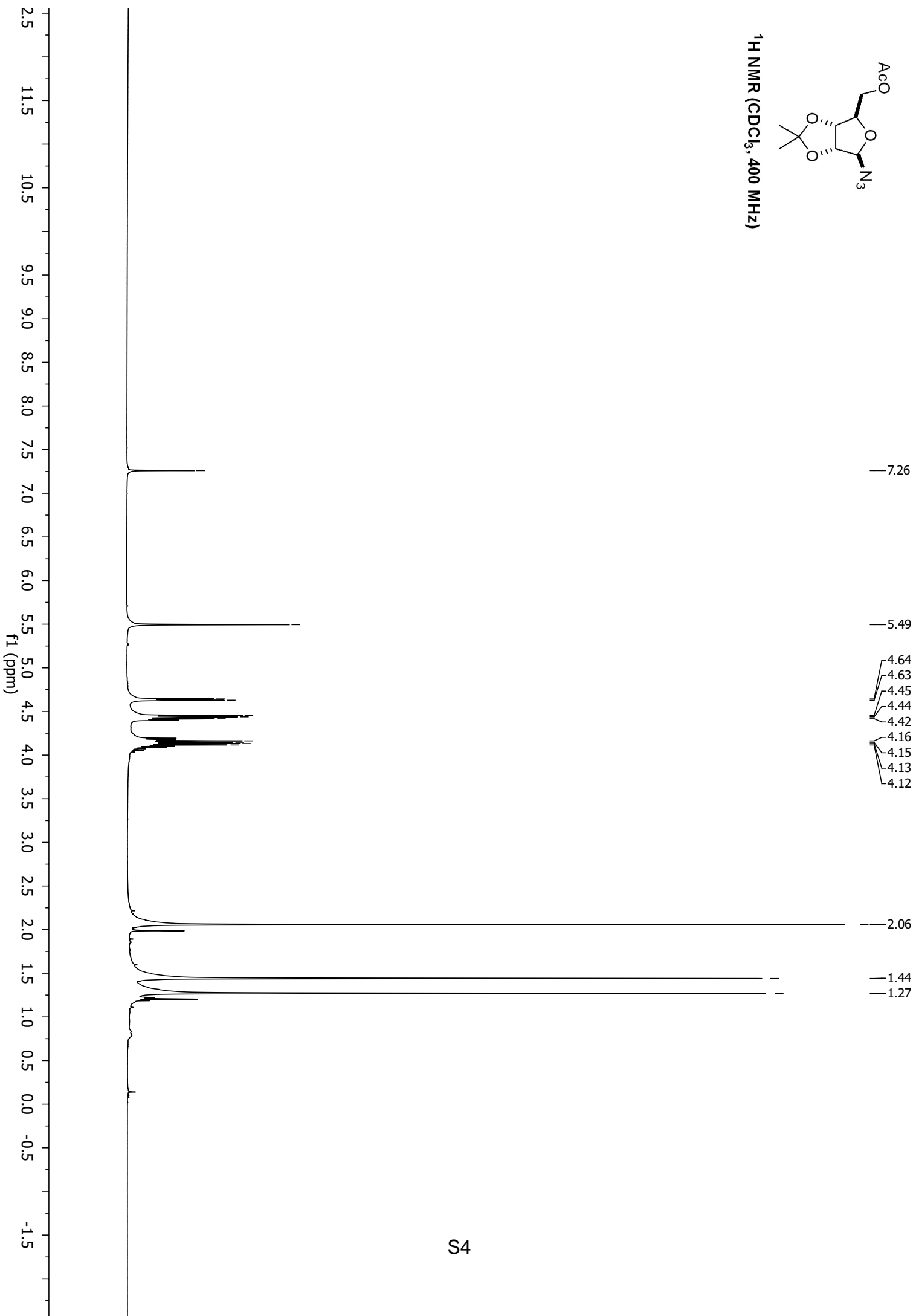


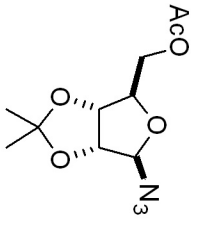
¹³ NMR (CDCl₃, 100 MHz)



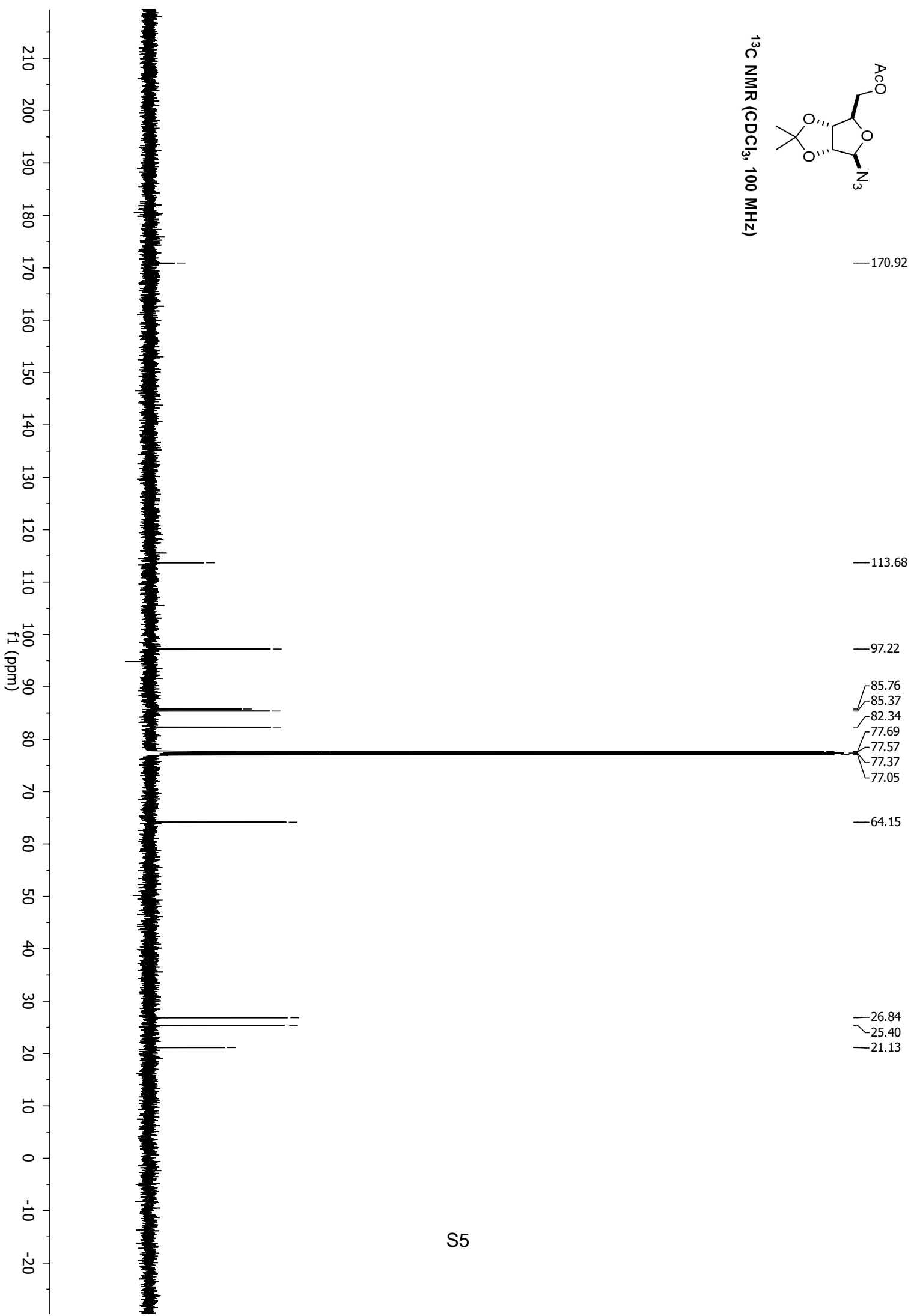


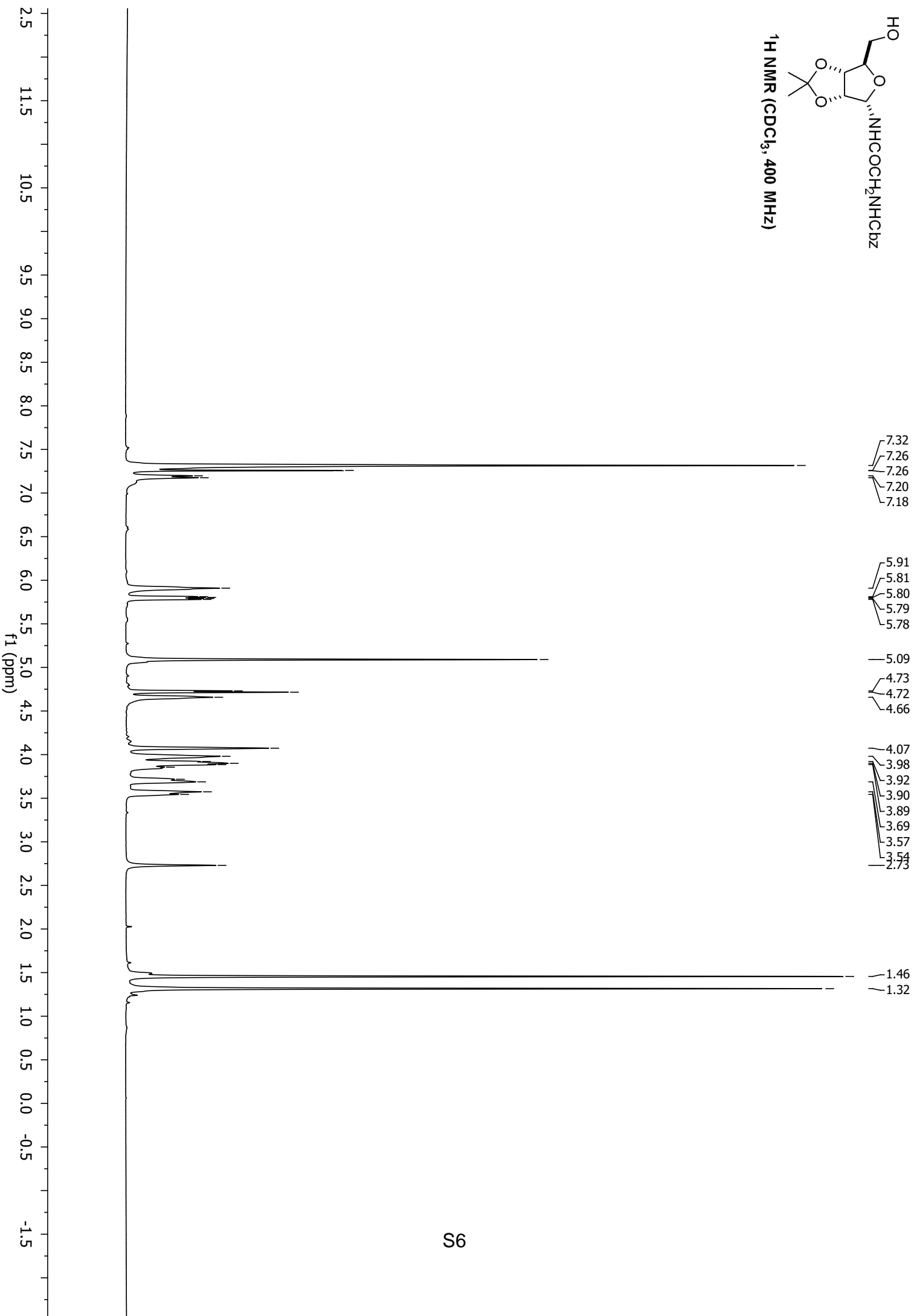
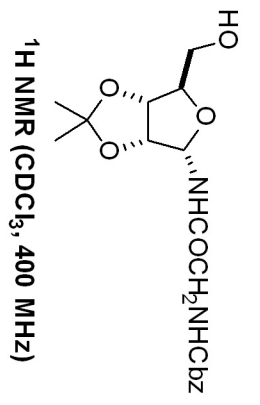
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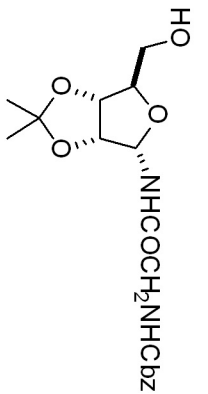




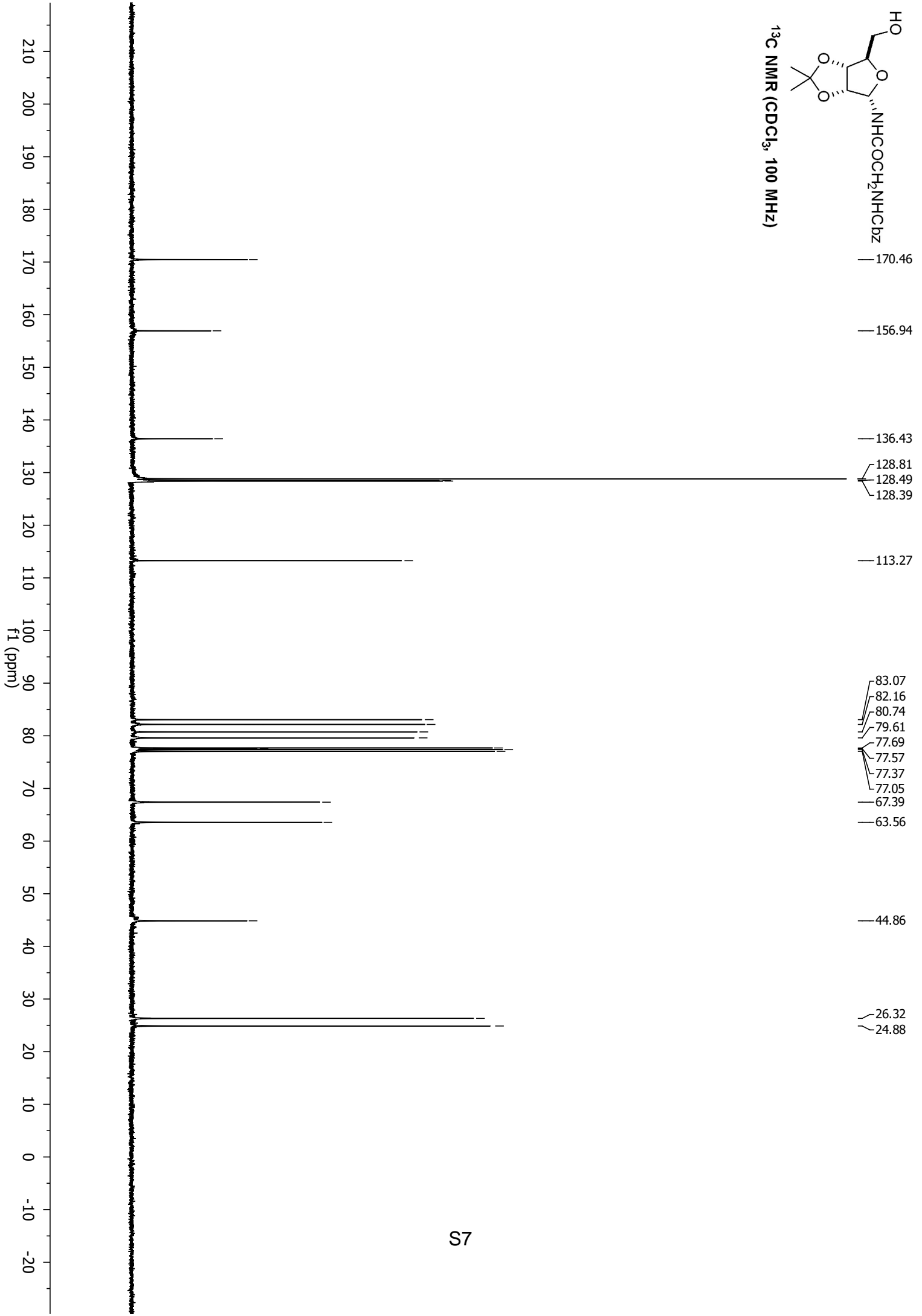
¹³C NMR (CDCl₃, 100 MHz)

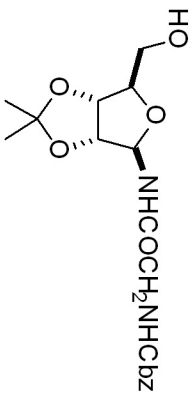




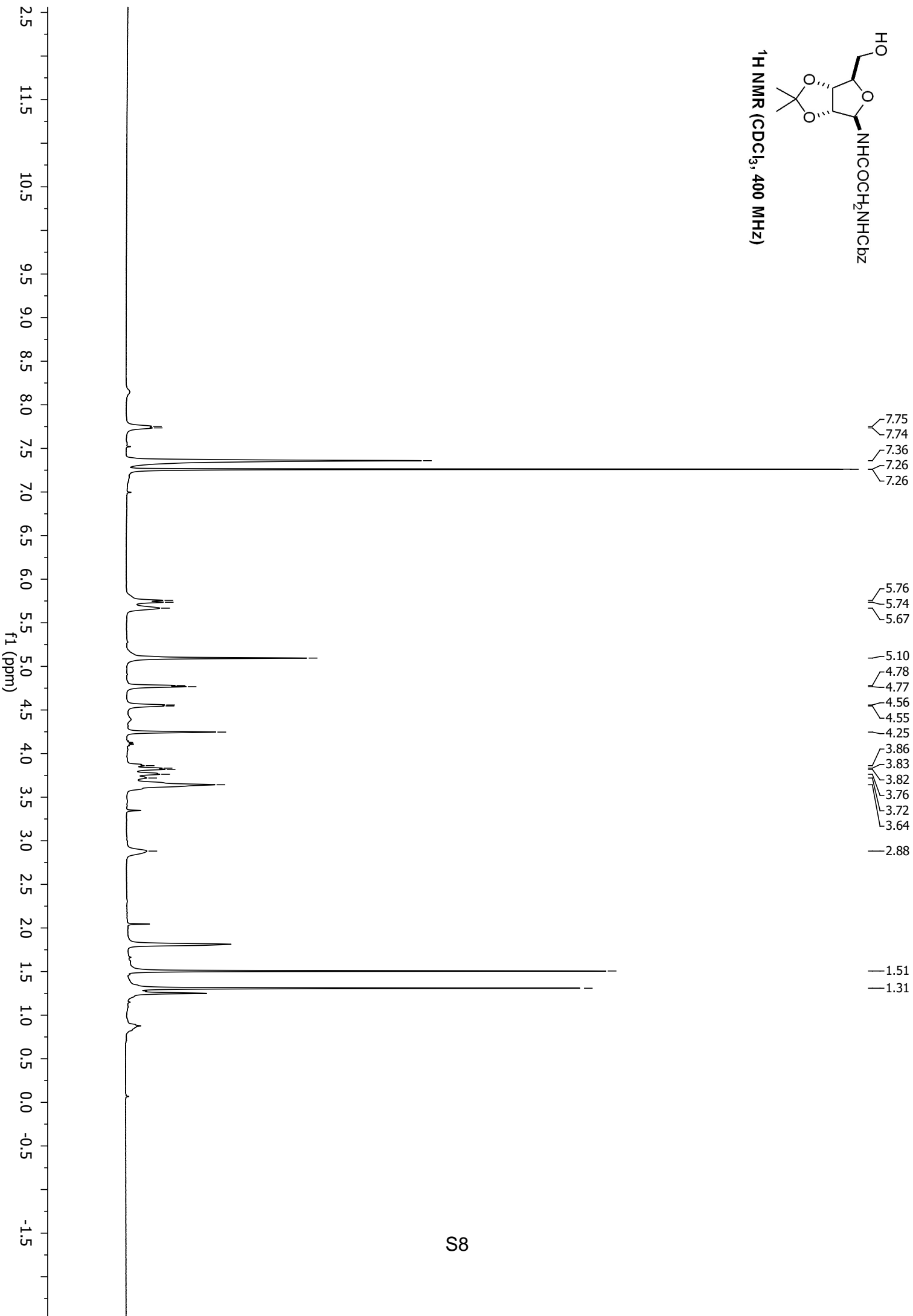


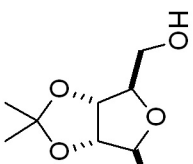
¹³C NMR (CDCl₃, 100 MHz)



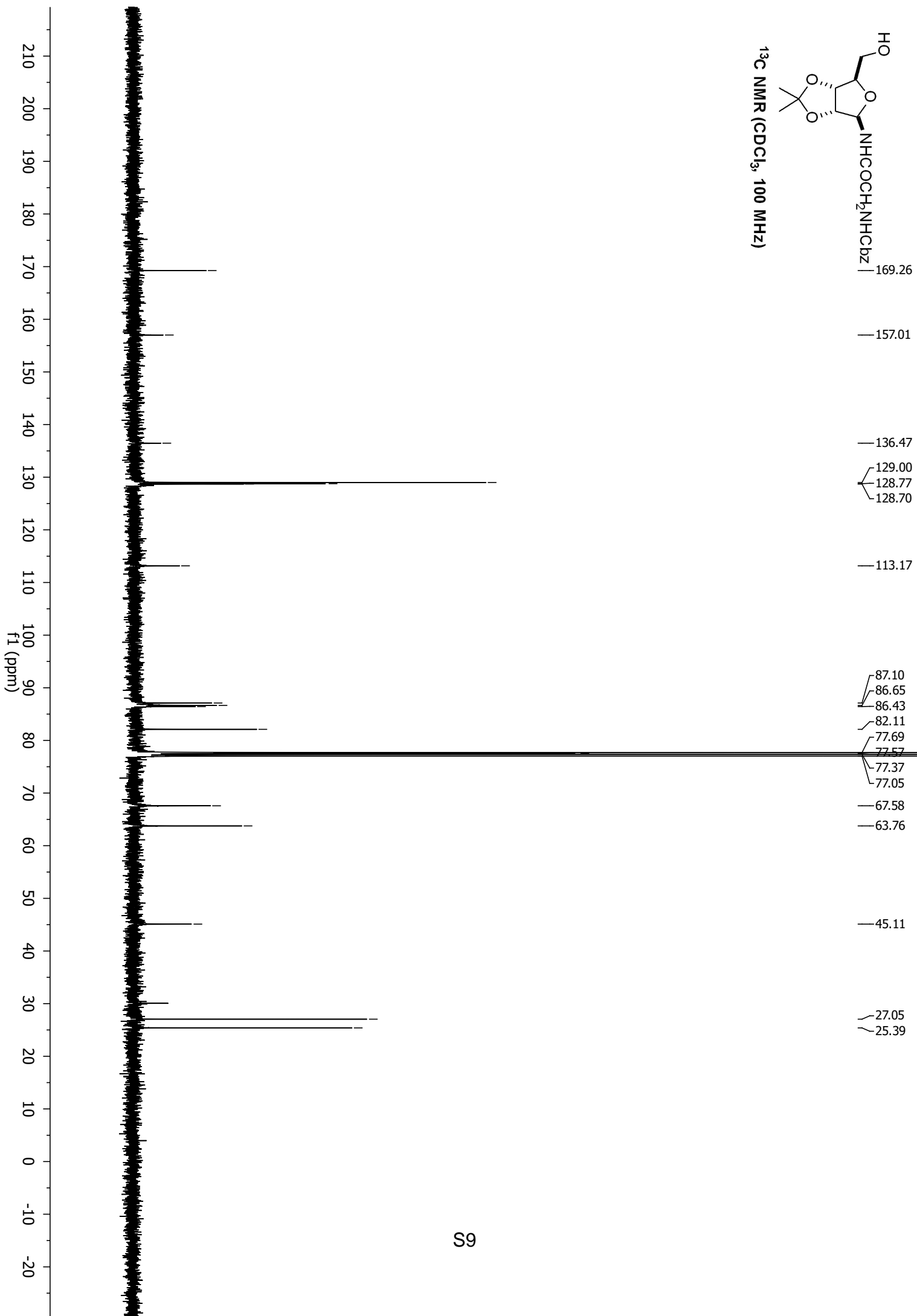


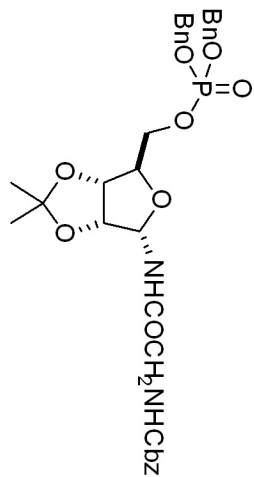
$^1\text{H NMR}$ (CDCl_3 , 400 MHz)



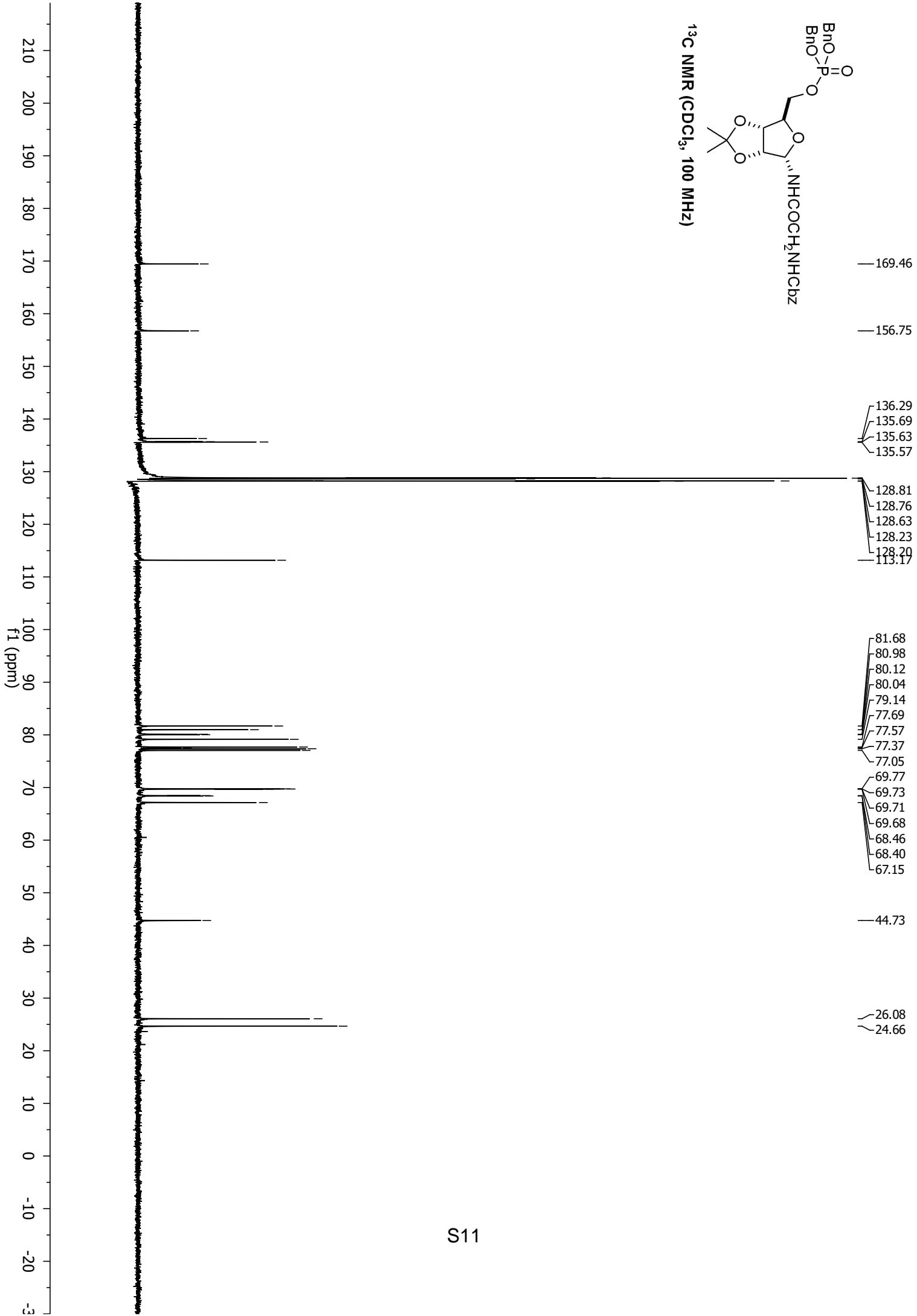


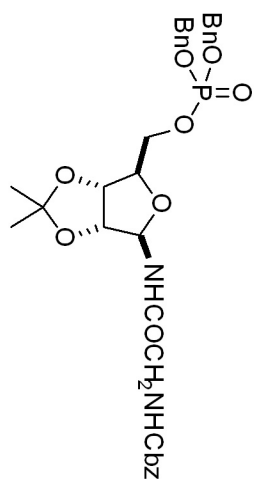
¹³C NMR (CDCl₃, 100 MHz)



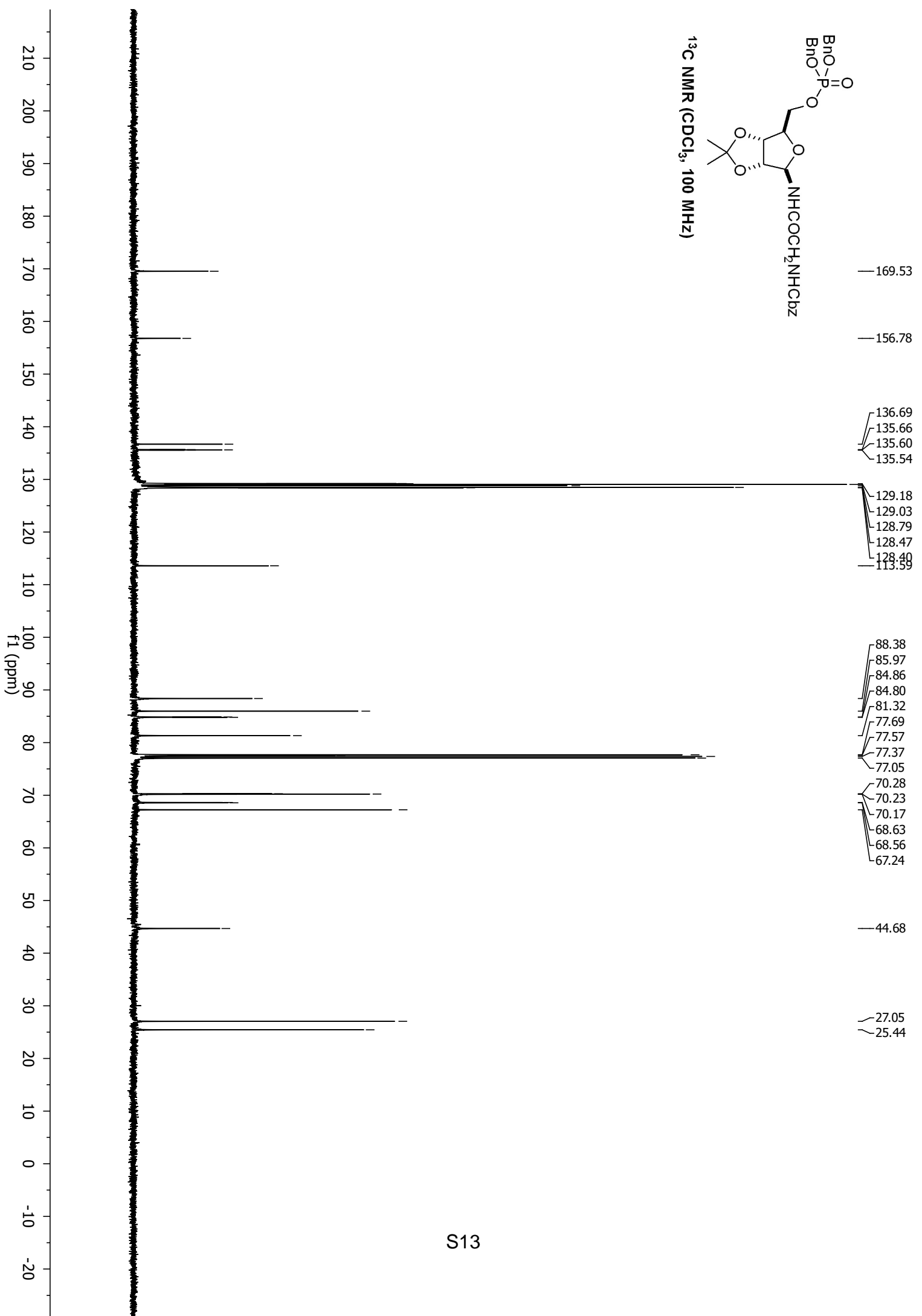


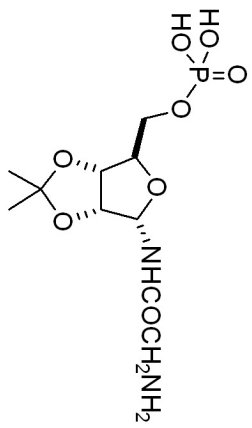
¹³C NMR (CDCl₃, 100 MHz)



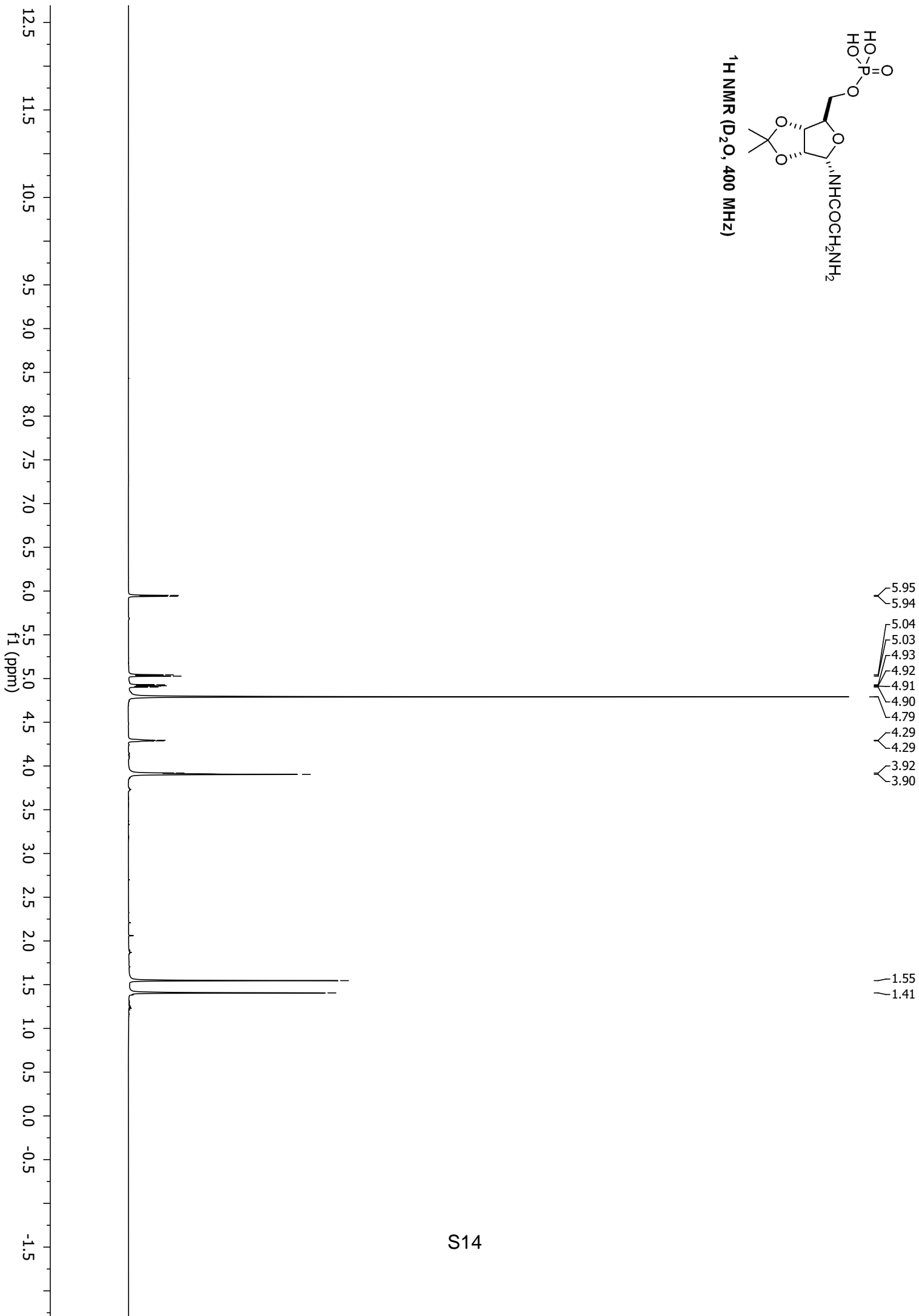


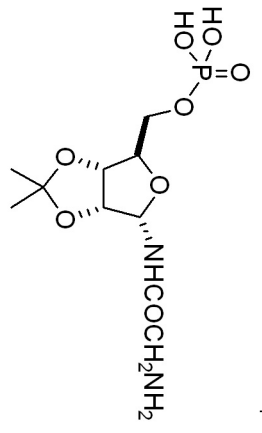
¹³C NMR (CDCl₃, 100 MHz)



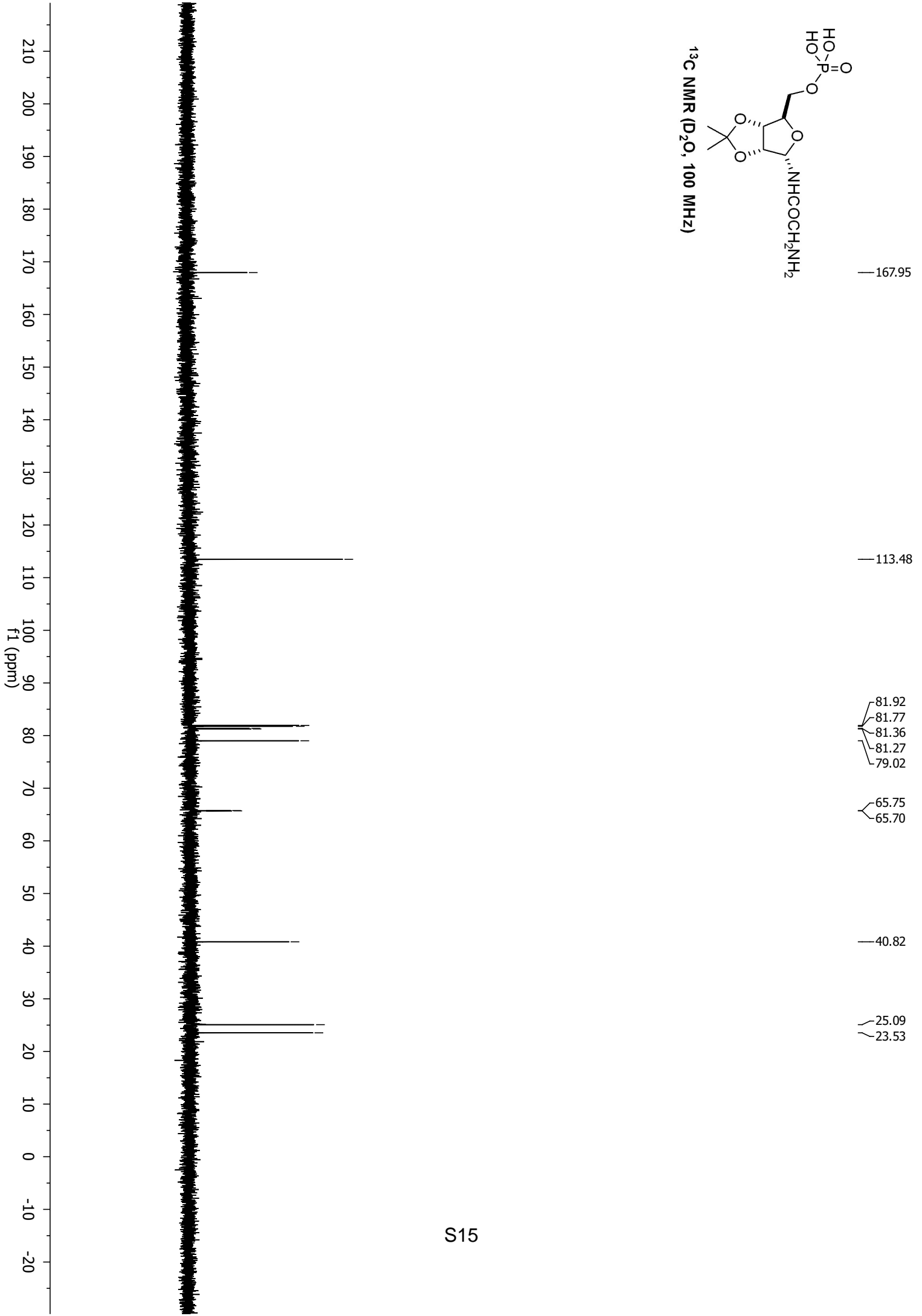


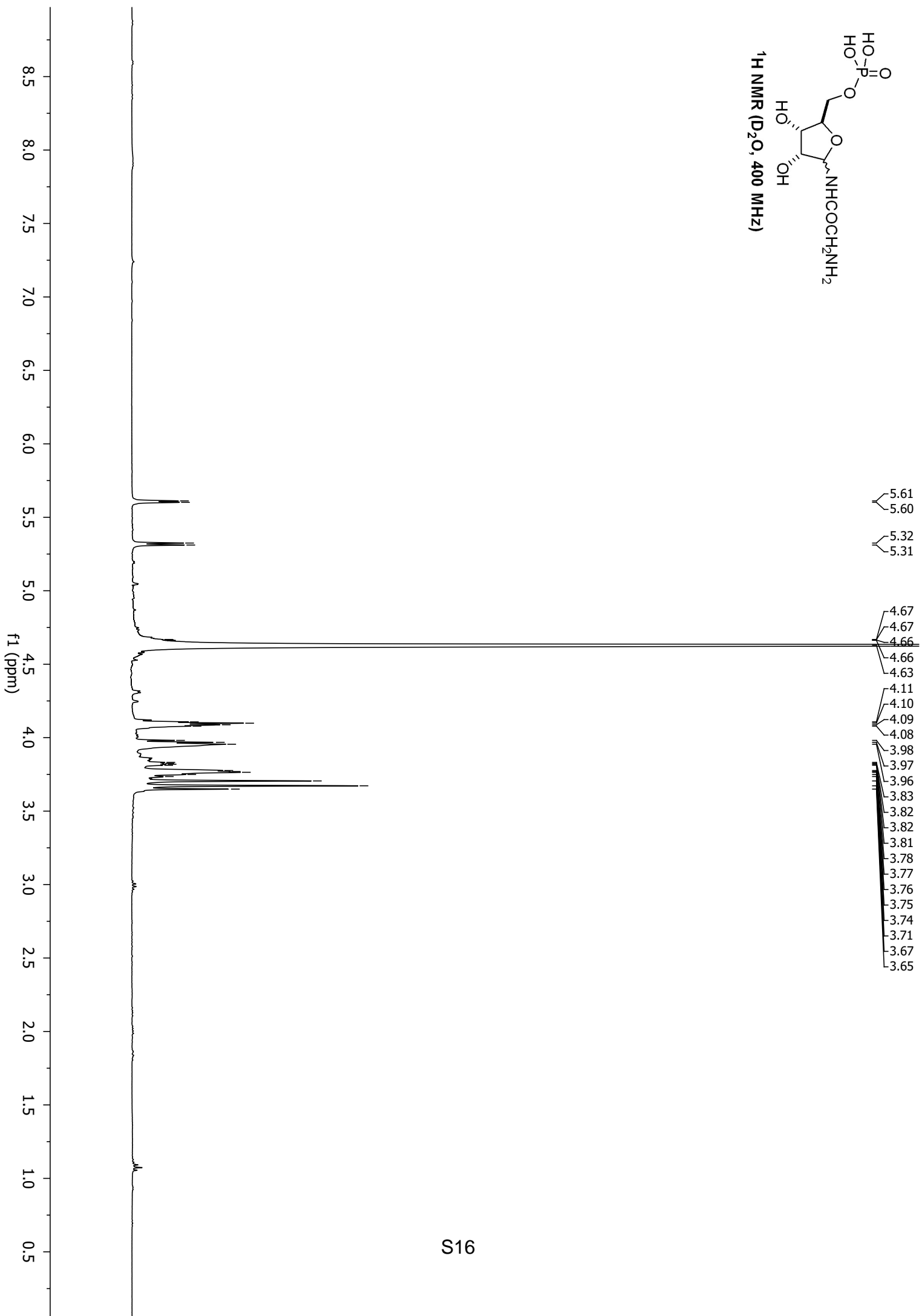
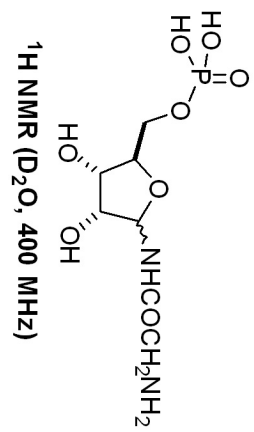
¹H NMR (D₂O, 400 MHz)



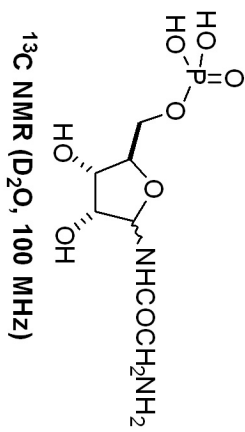


^{13}C NMR (D_2O , 100 MHz)





168.13
167.88



83.59
82.76
82.68
80.99
80.45
73.92
70.76
70.70
70.16
64.88
64.76

40.67

S17

210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 -10 -20

f1 (ppm)

