

## Supplementary Information

2-Oxabutane as a substitute for internal monomer units of oligosaccharides to create lectin ligands

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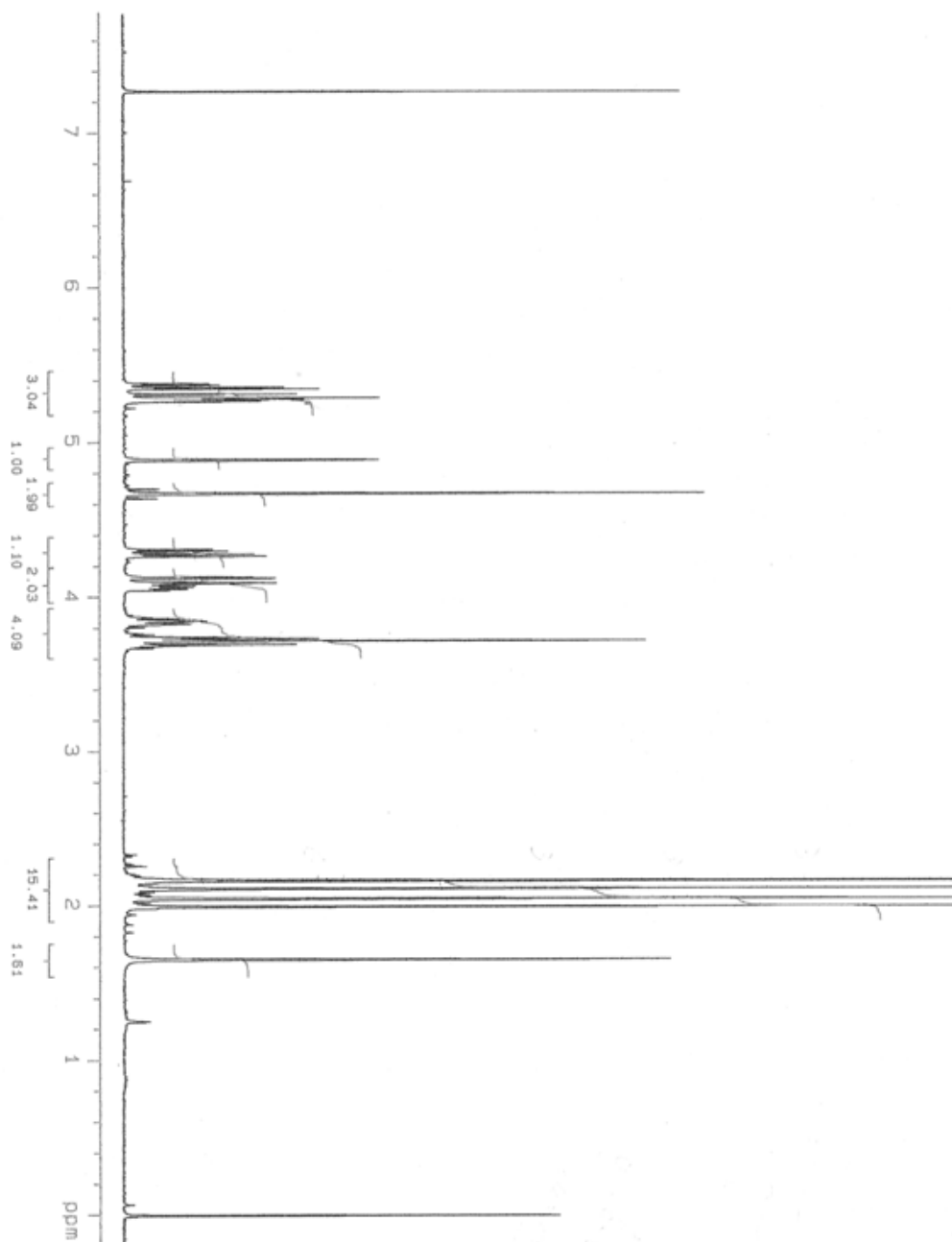
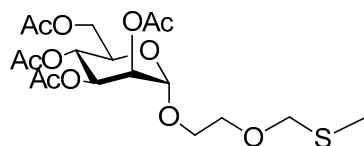


Fig S1.  $^1\text{H}$  NMR of compound 4.

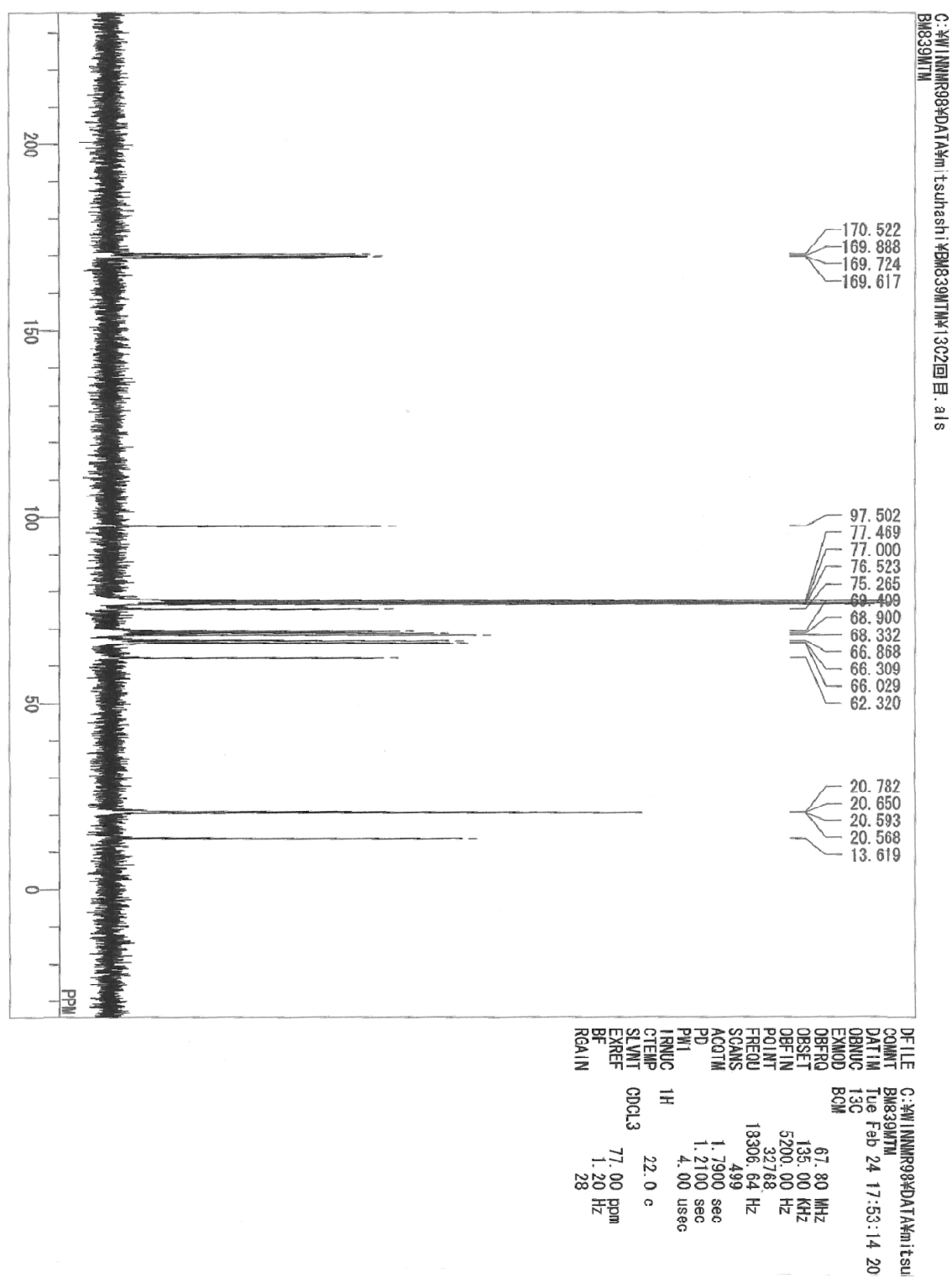


Fig S2.  $^{13}\text{C}$  NMR of compound 4.

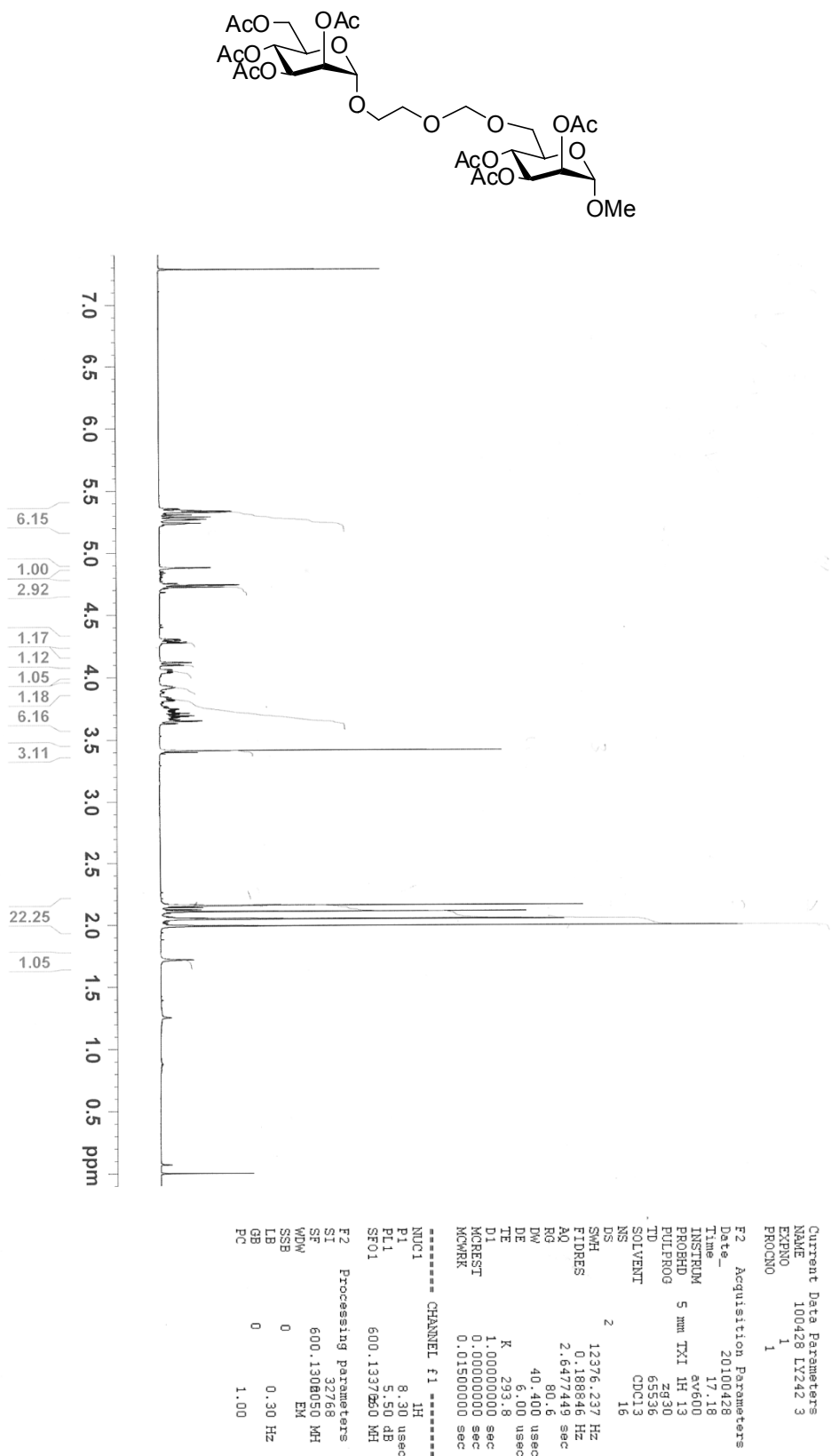


Fig S3. <sup>1</sup>H NMR of compound 6.

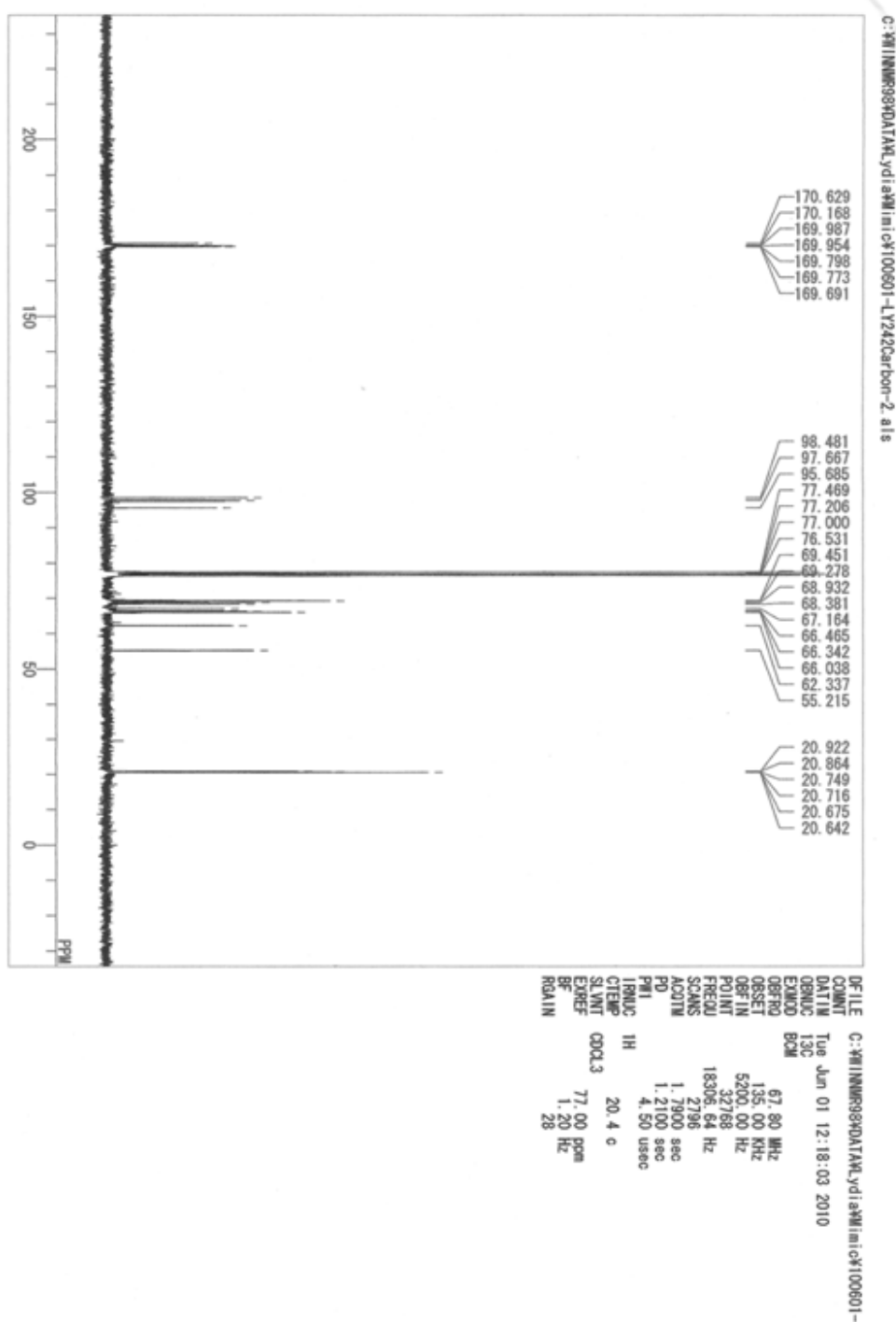


Fig S4. <sup>13</sup>C NMR of compound 6.

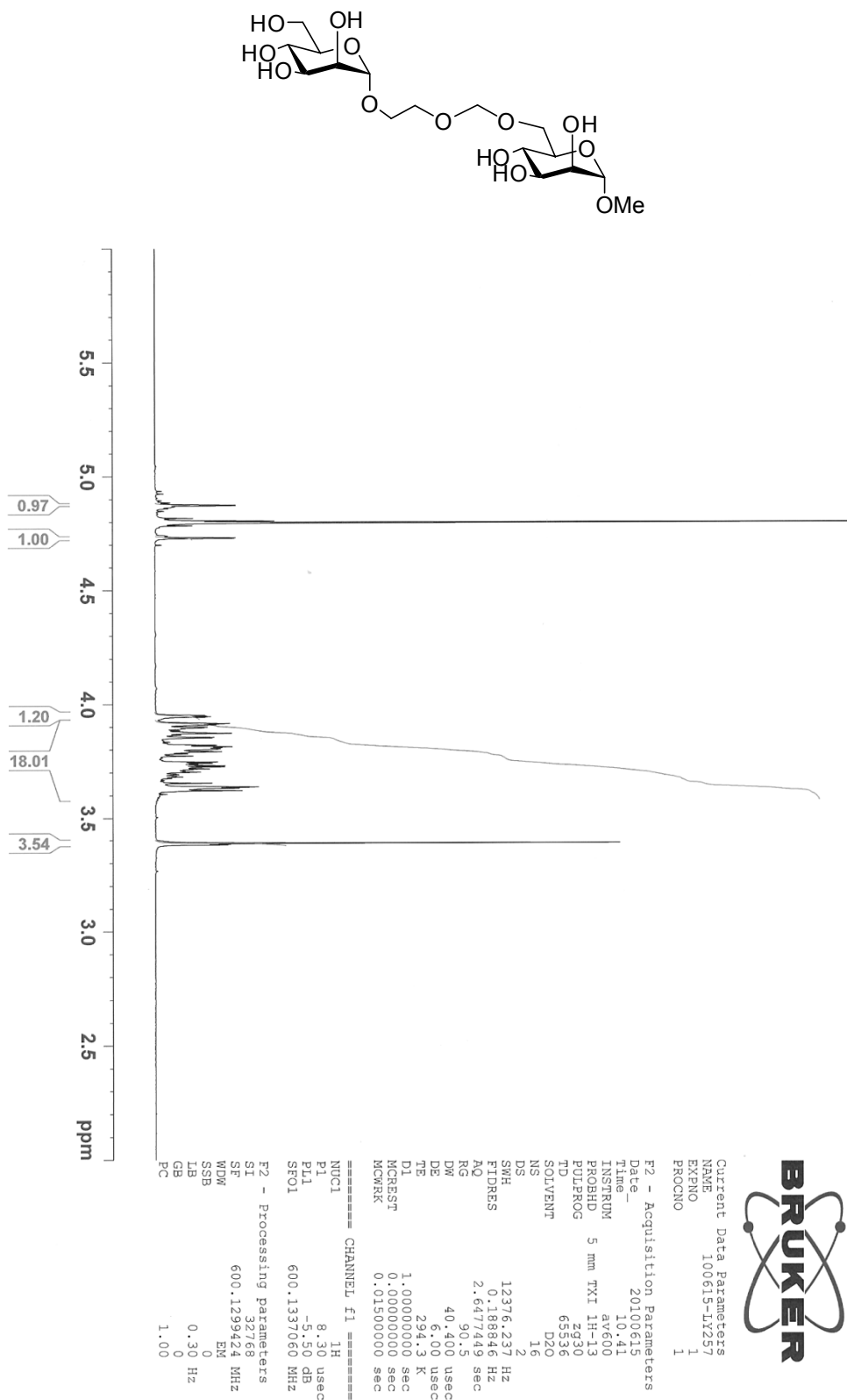


Fig S5. <sup>1</sup>H NMR of compound 7.

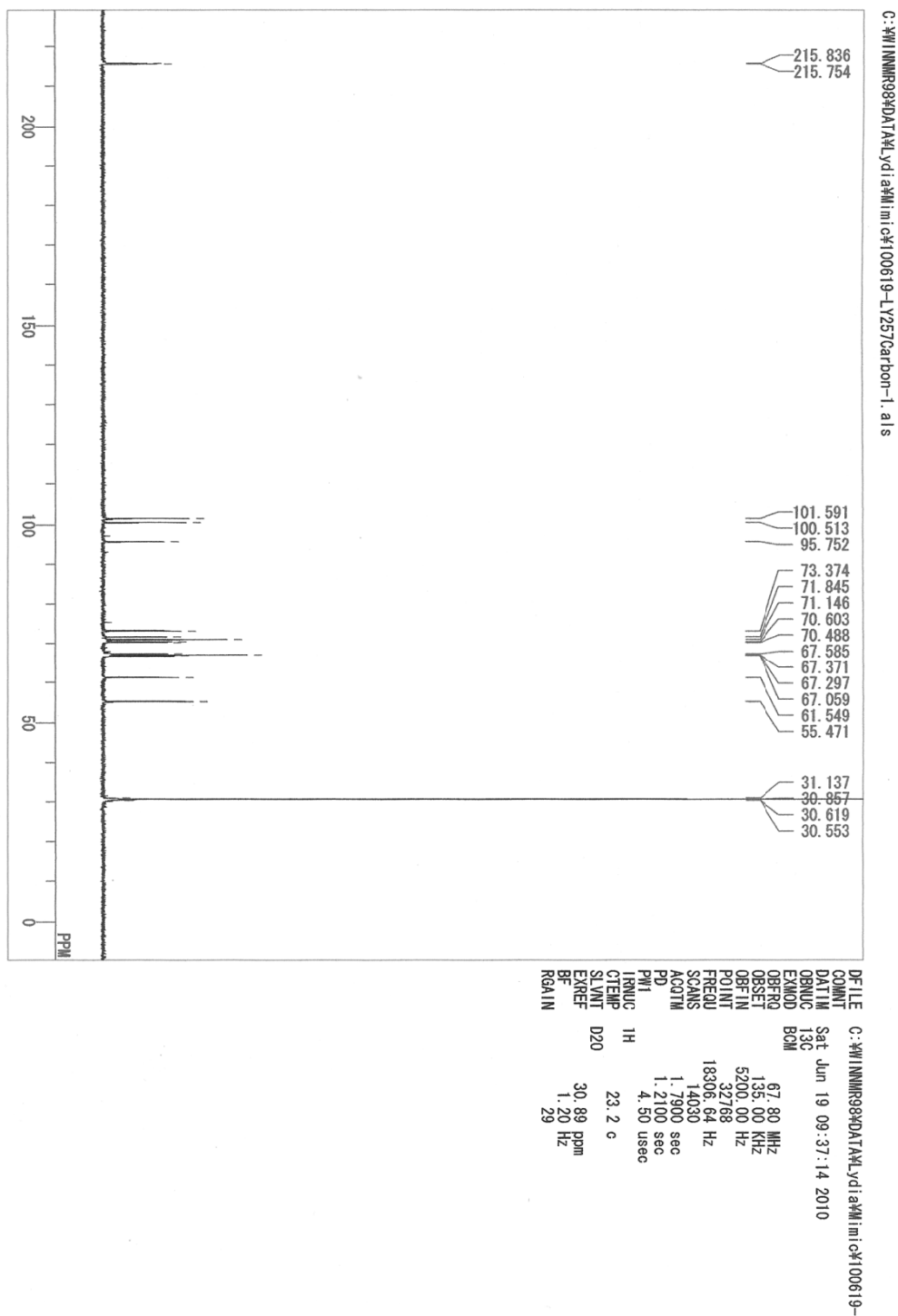


Fig S6. <sup>13</sup>C NMR of compound 7.

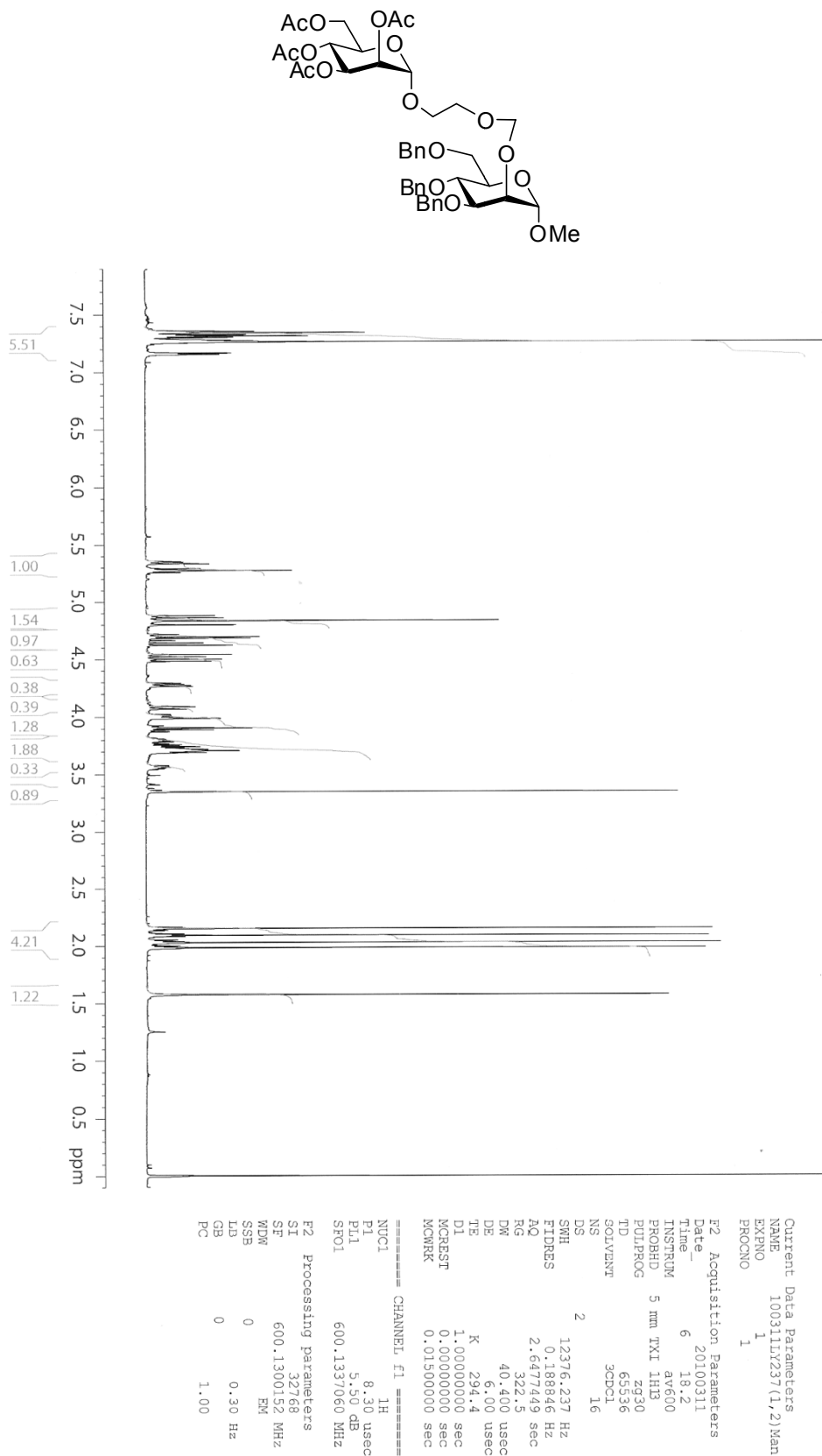


Fig S7. <sup>1</sup>H NMR of compound 9.



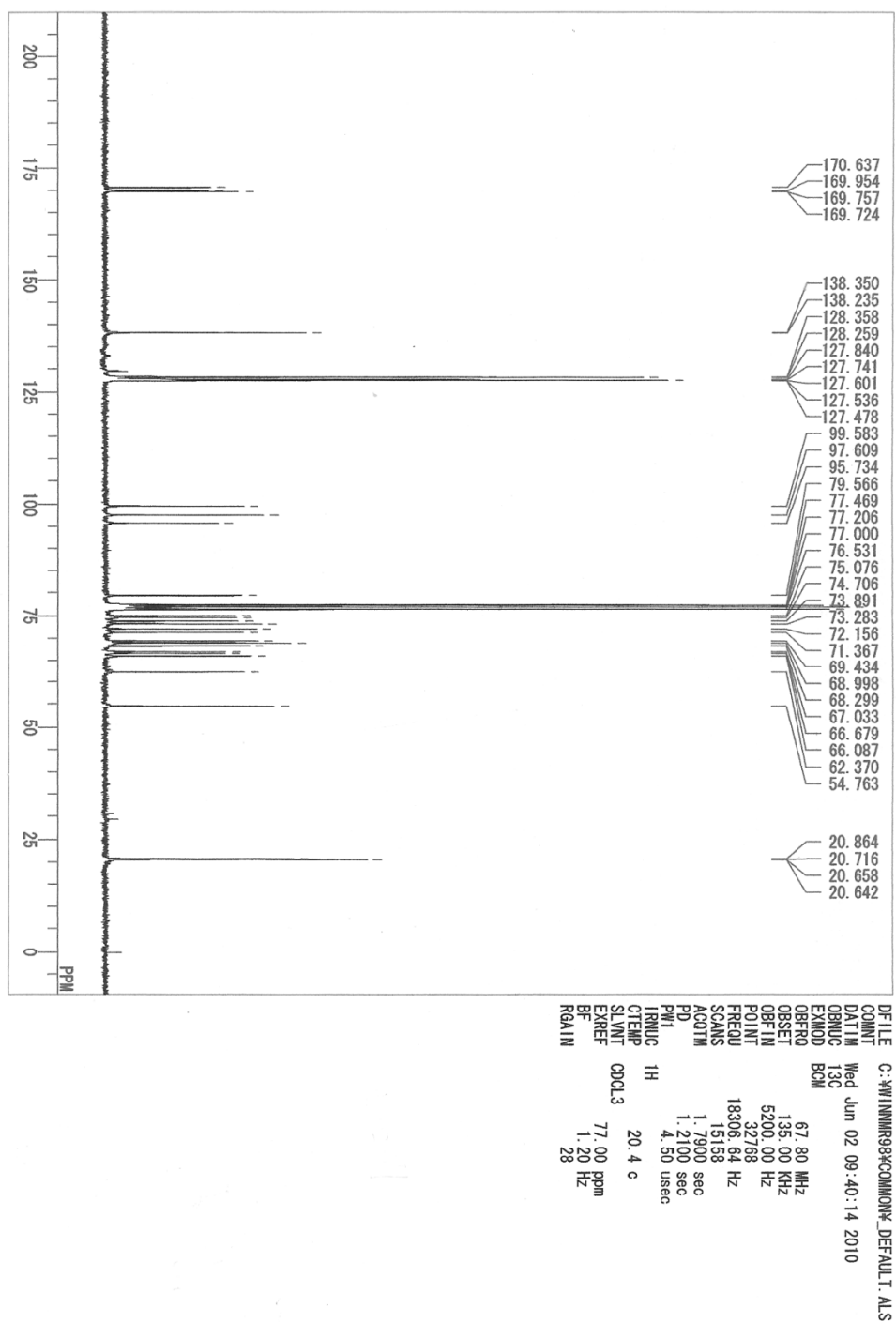
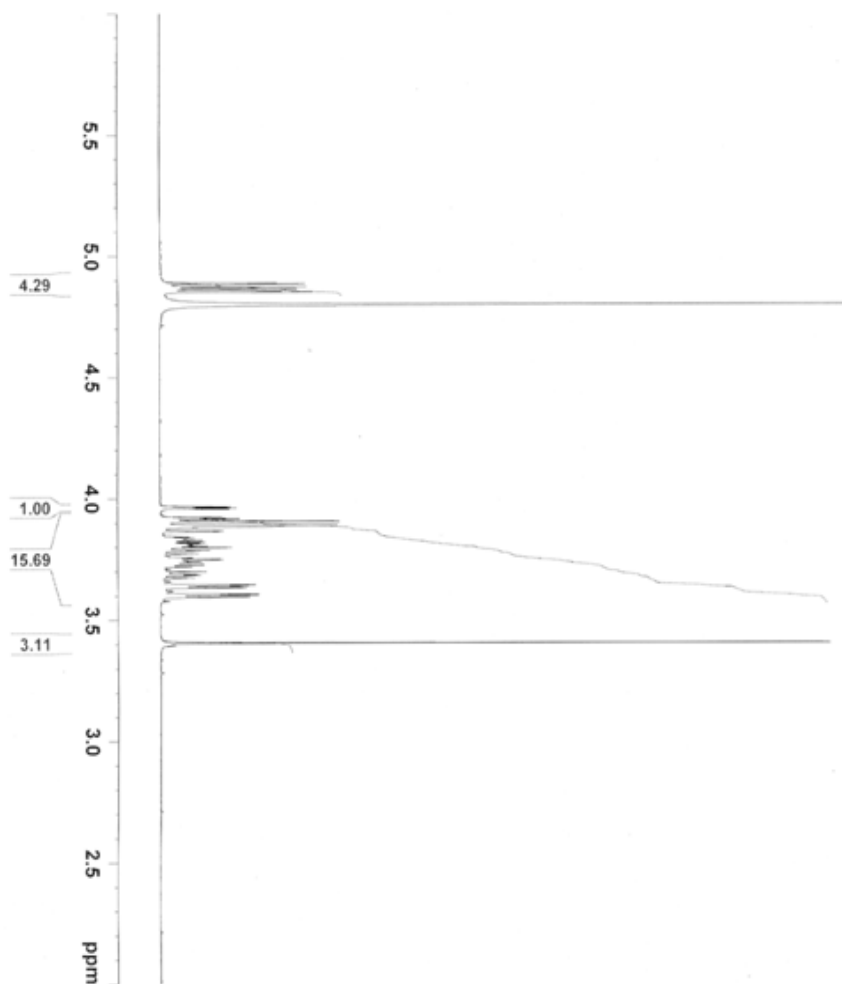
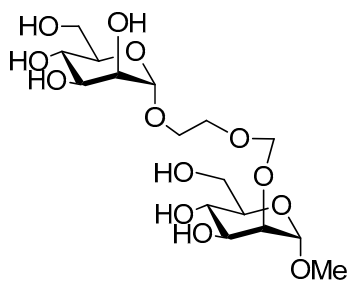


Fig S8.  $^{13}\text{C}$  NMR of compound 9.



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Fig S9. <sup>1</sup>H NMR of compound 10.

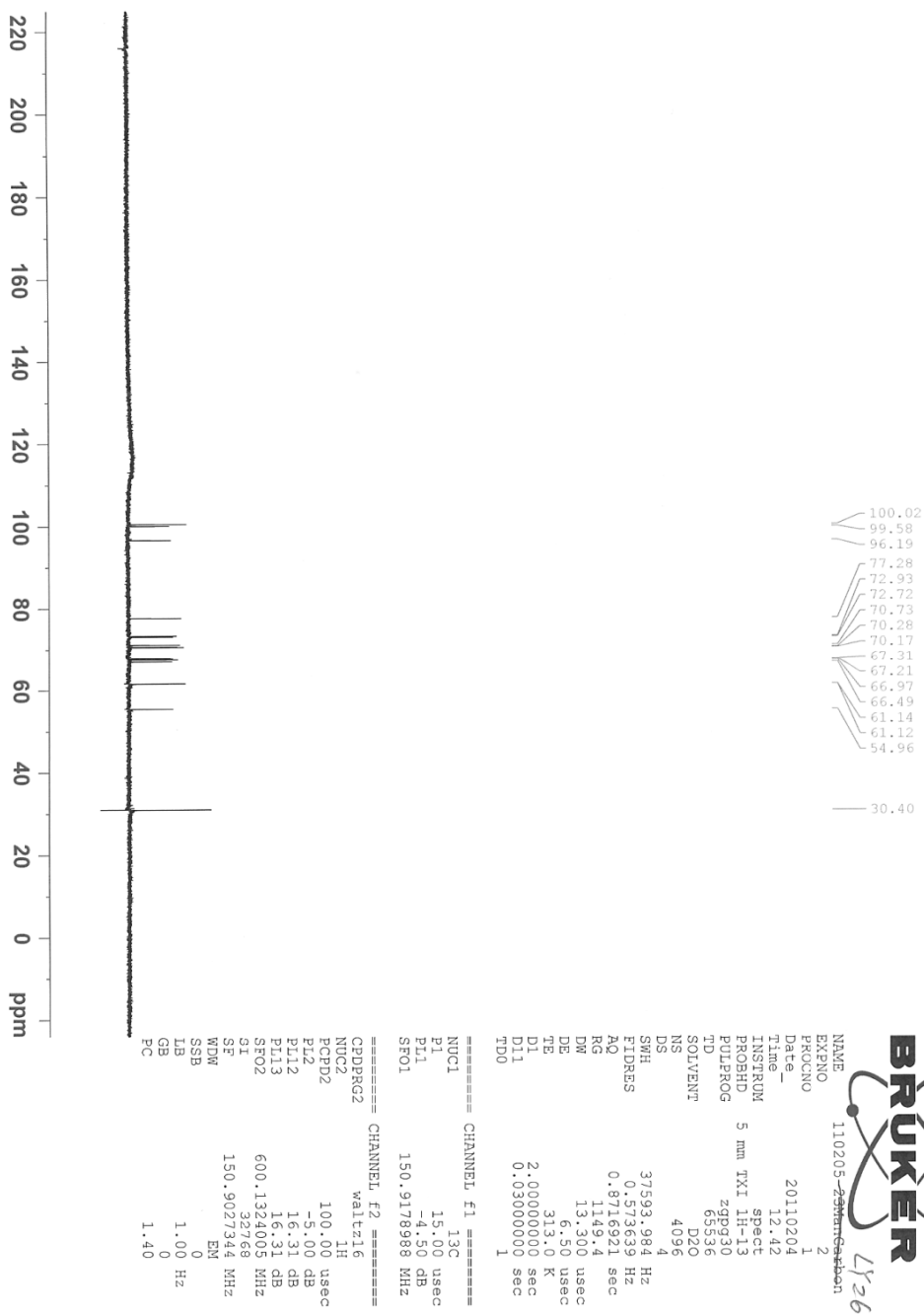


Fig S10. <sup>13</sup>C NMR of compound 10.

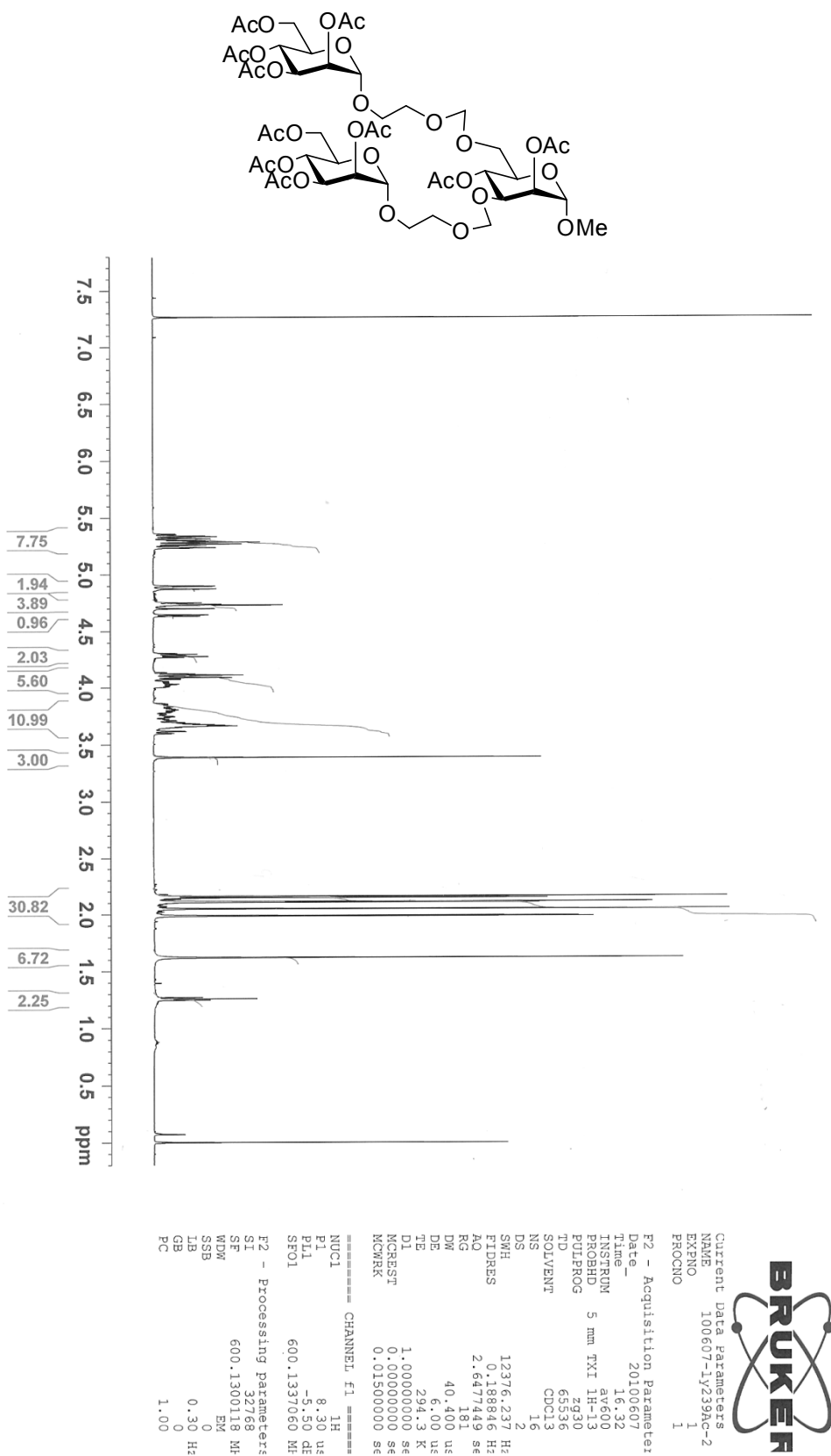


Fig S11. <sup>1</sup>H NMR of compound 12.

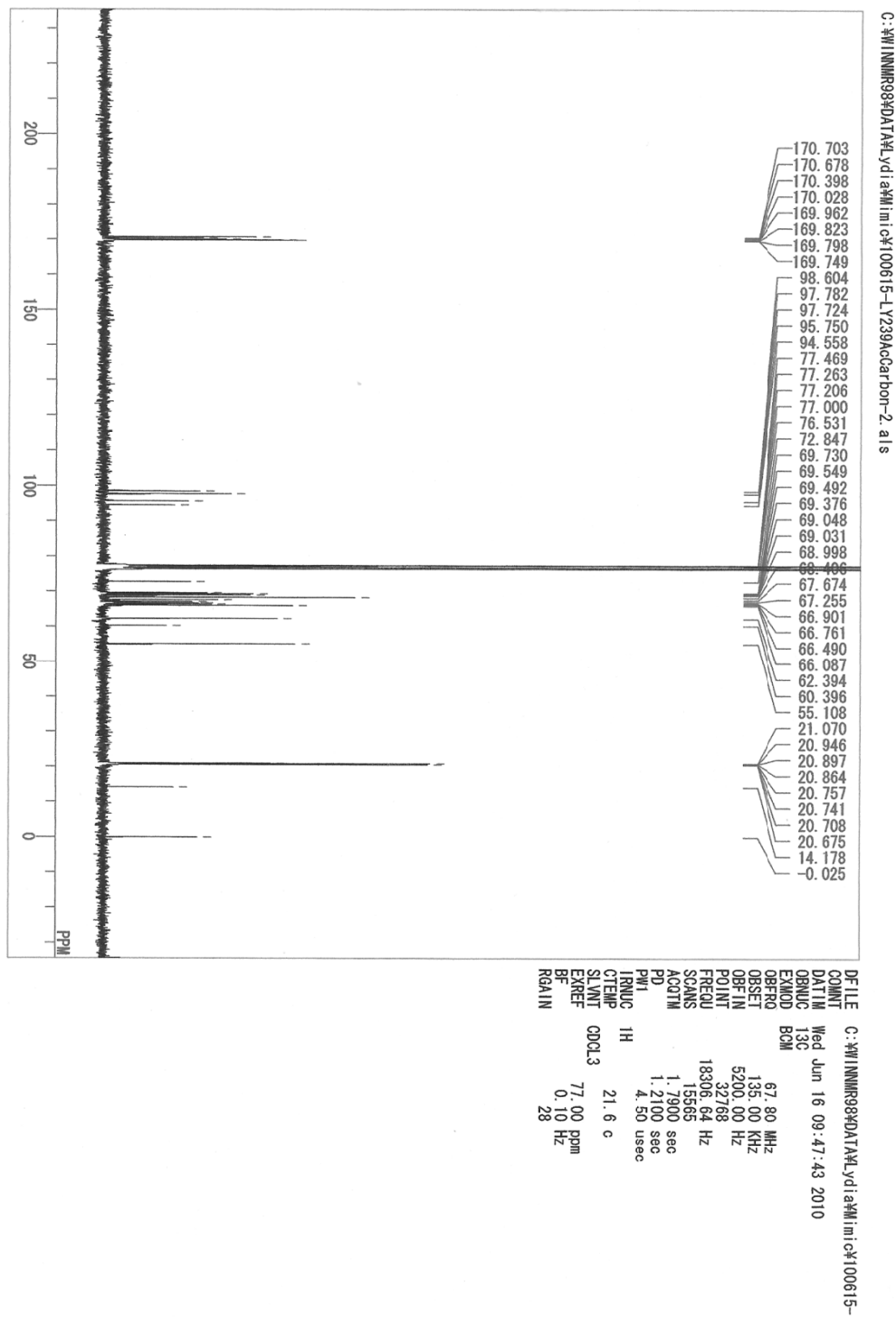


Fig S12. <sup>13</sup>C NMR of compound 12.

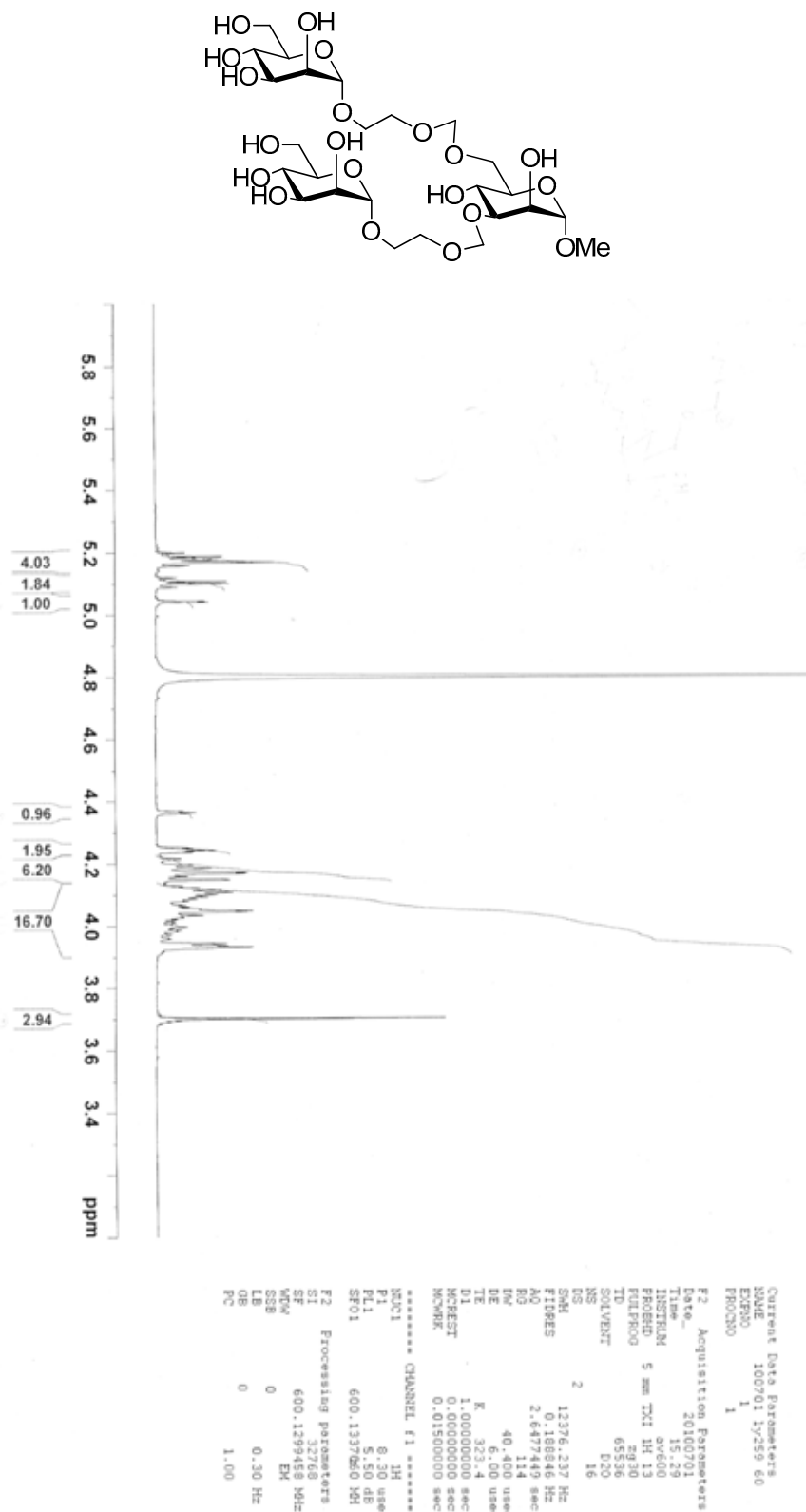


Fig S13. <sup>1</sup>H NMR of compound 13.

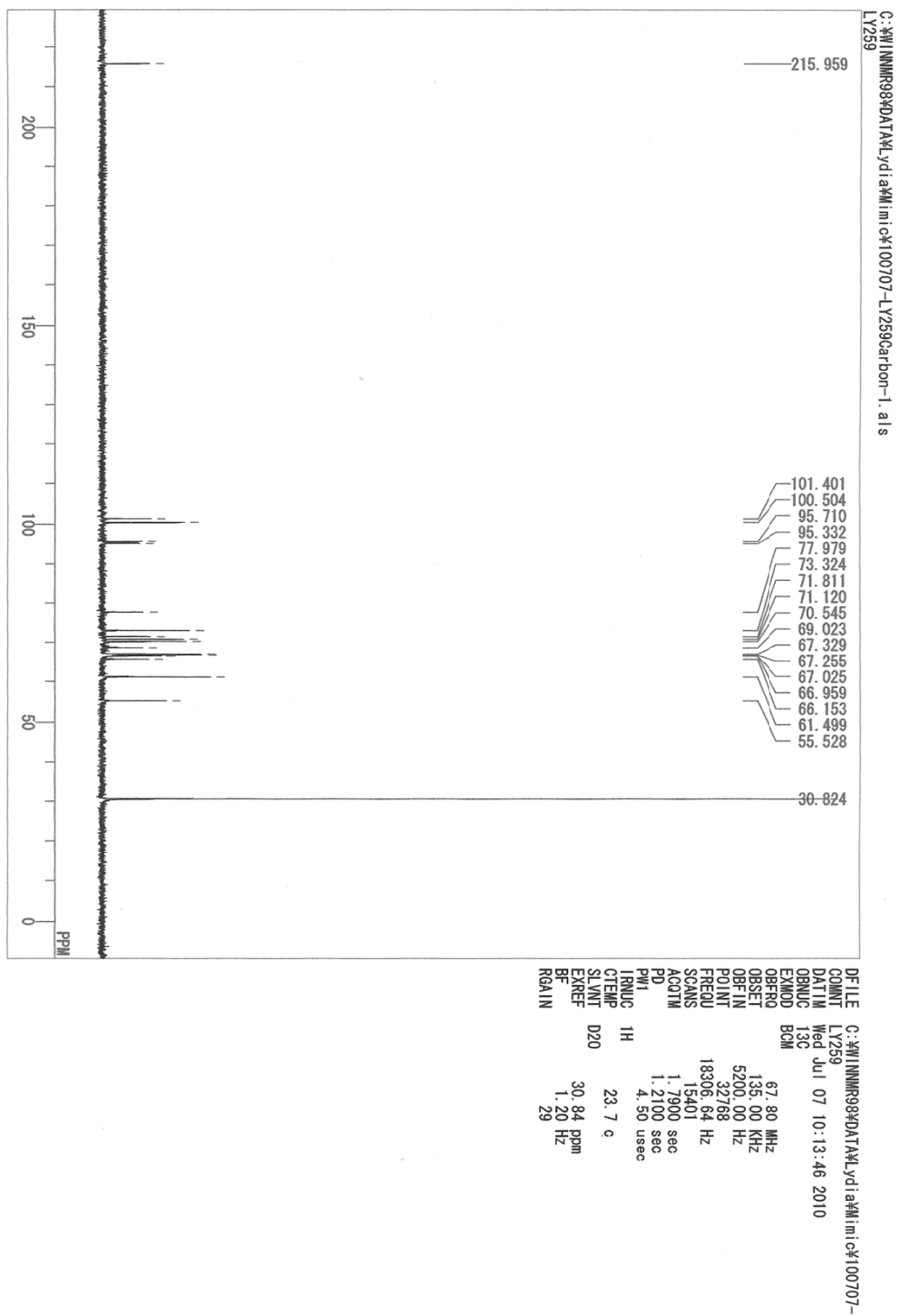


Fig S14.  $^{13}\text{C}$  NMR of compound 13.

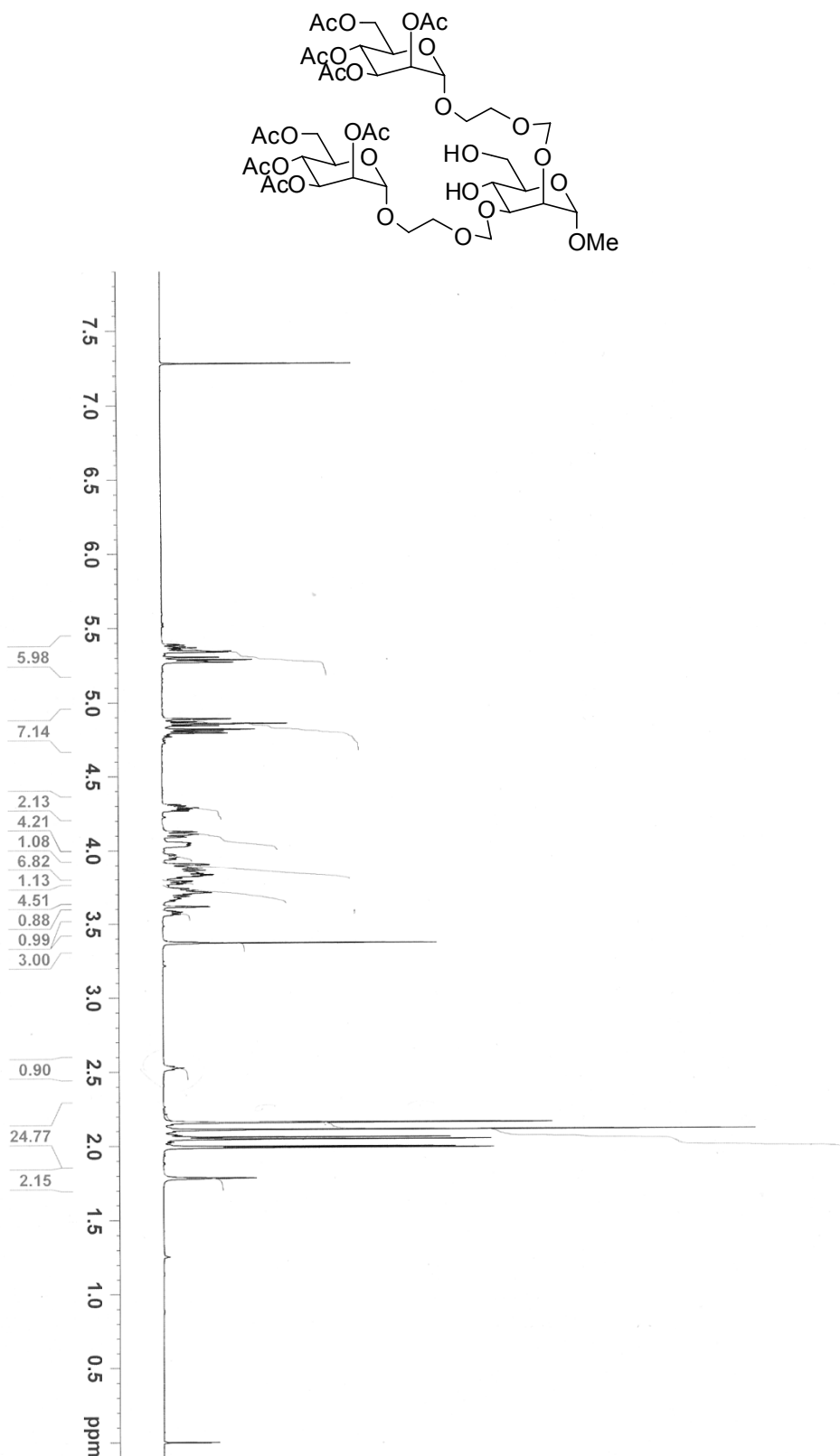


Fig S15. <sup>1</sup>H NMR of compound 15.



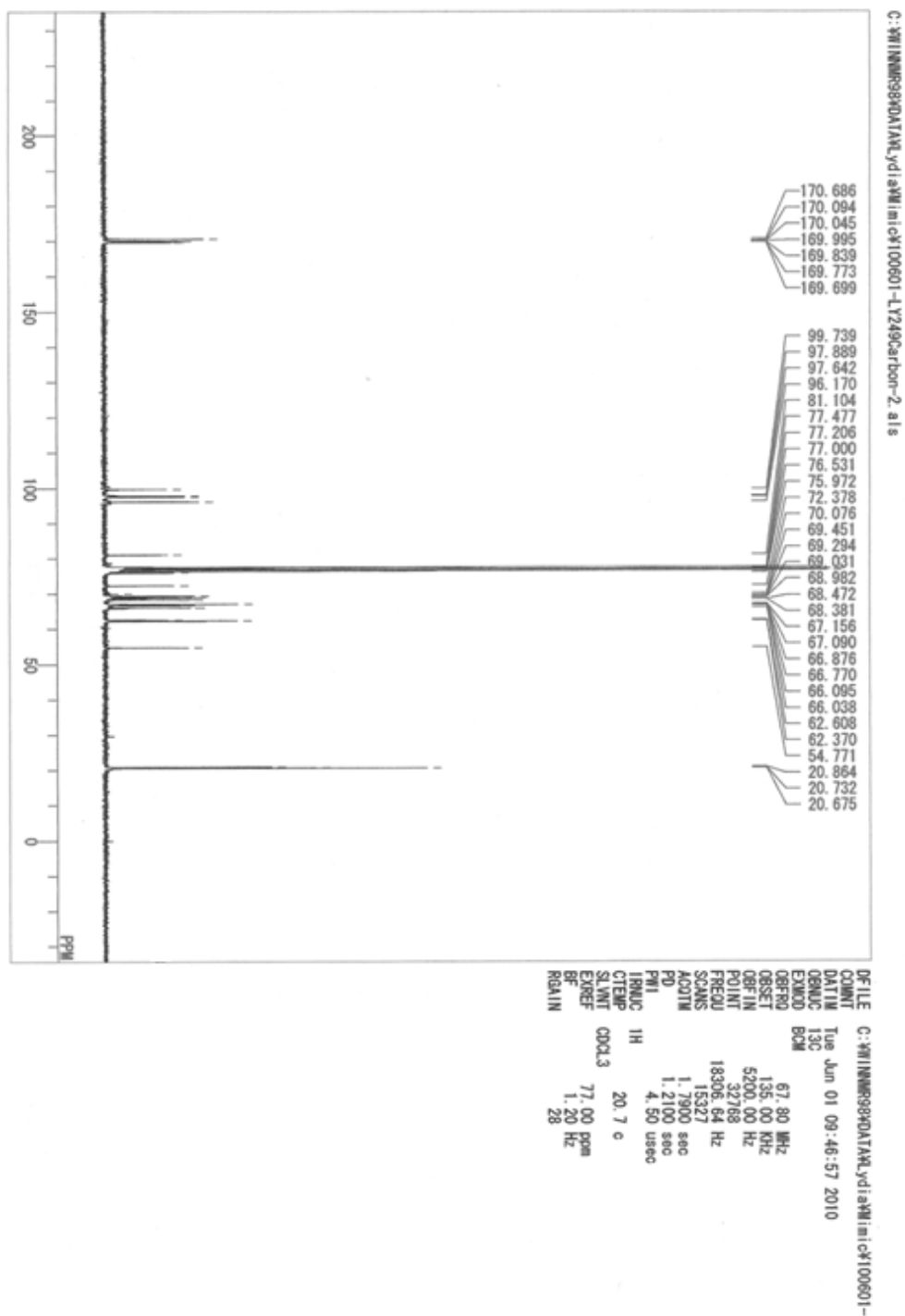


Fig S16. <sup>13</sup>C NMR of compound 15.

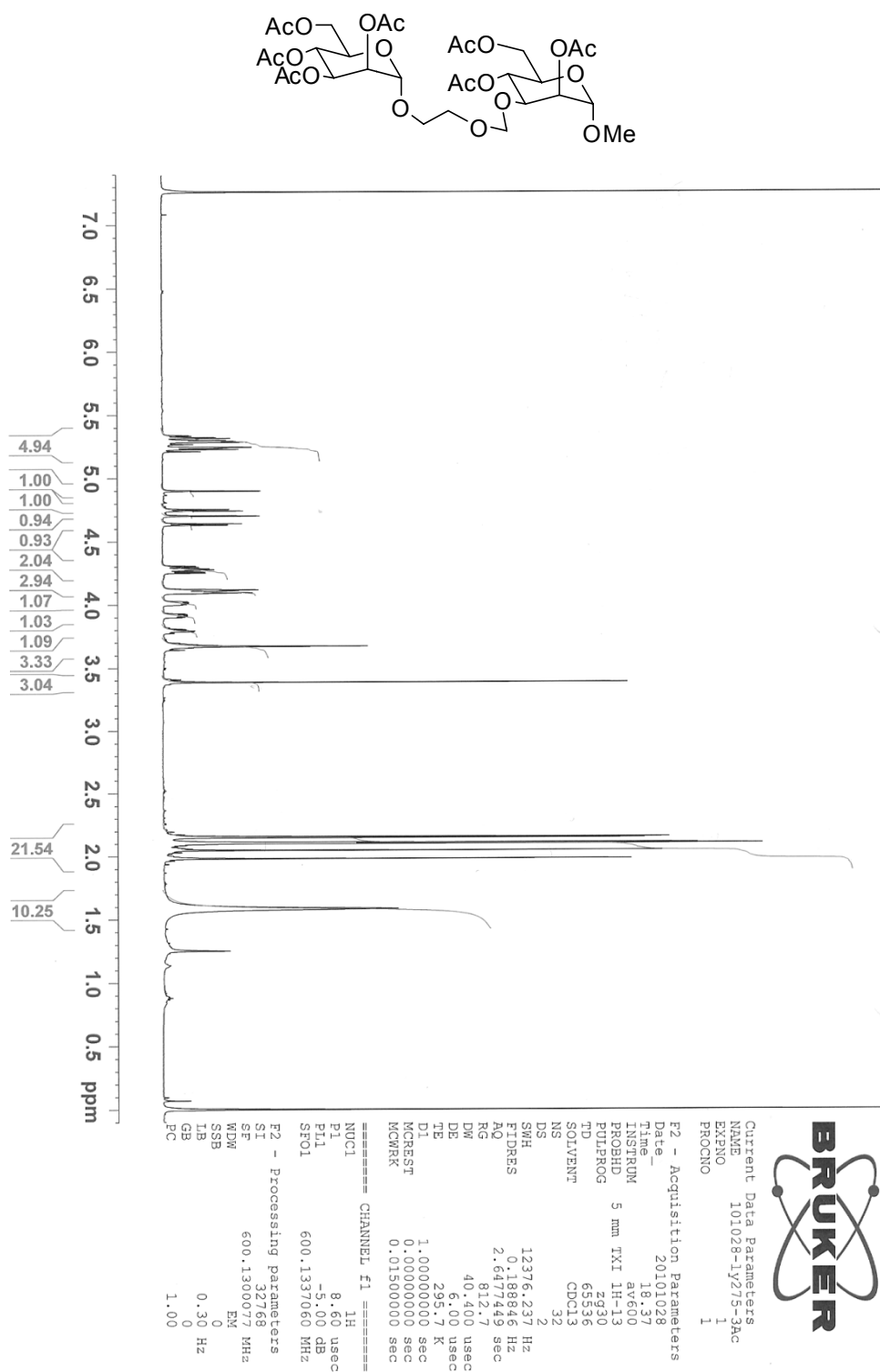


Fig S17. <sup>1</sup>H NMR of compound 17.

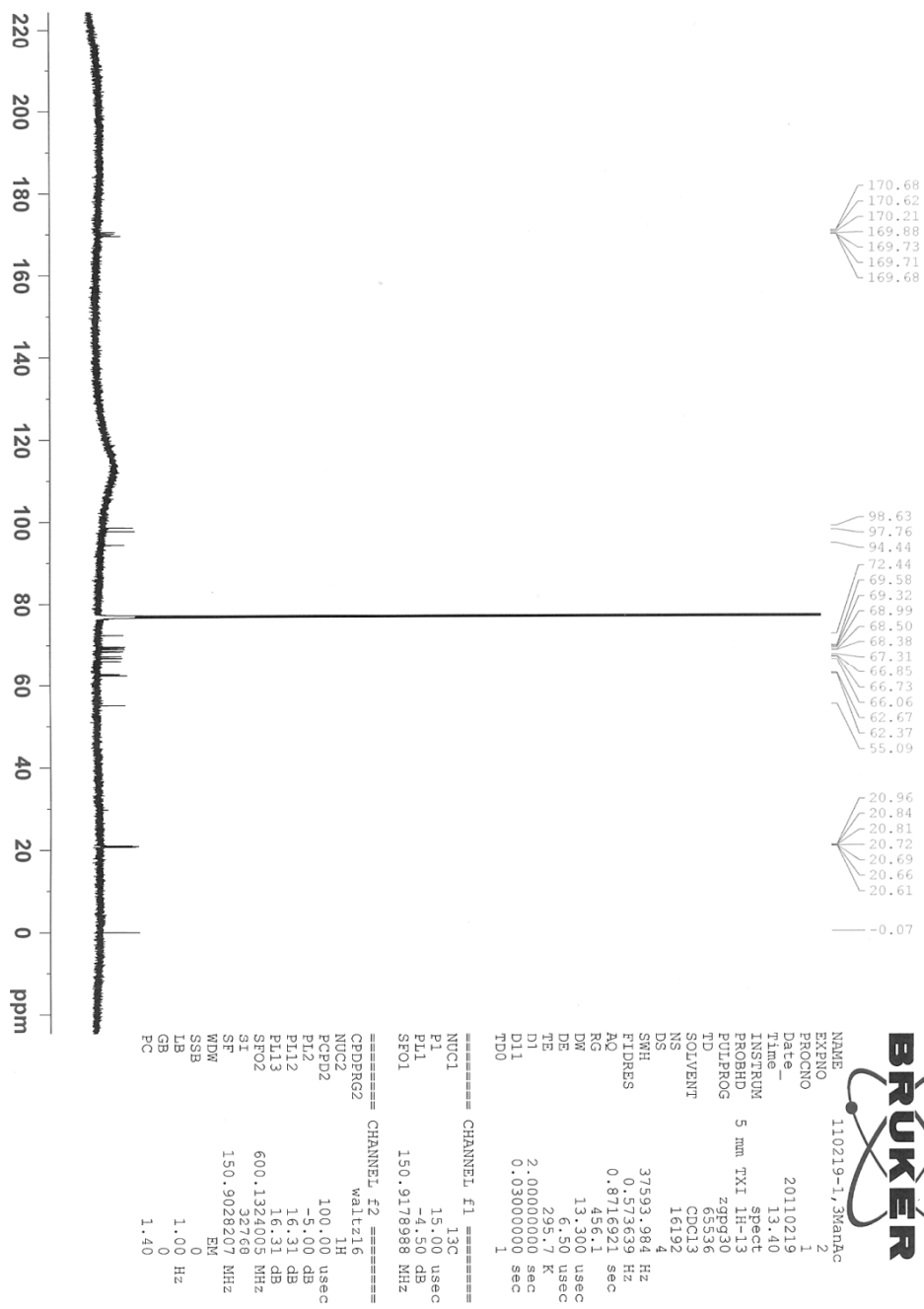


Fig S18.  $^{13}\text{C}$  NMR of compound 17.

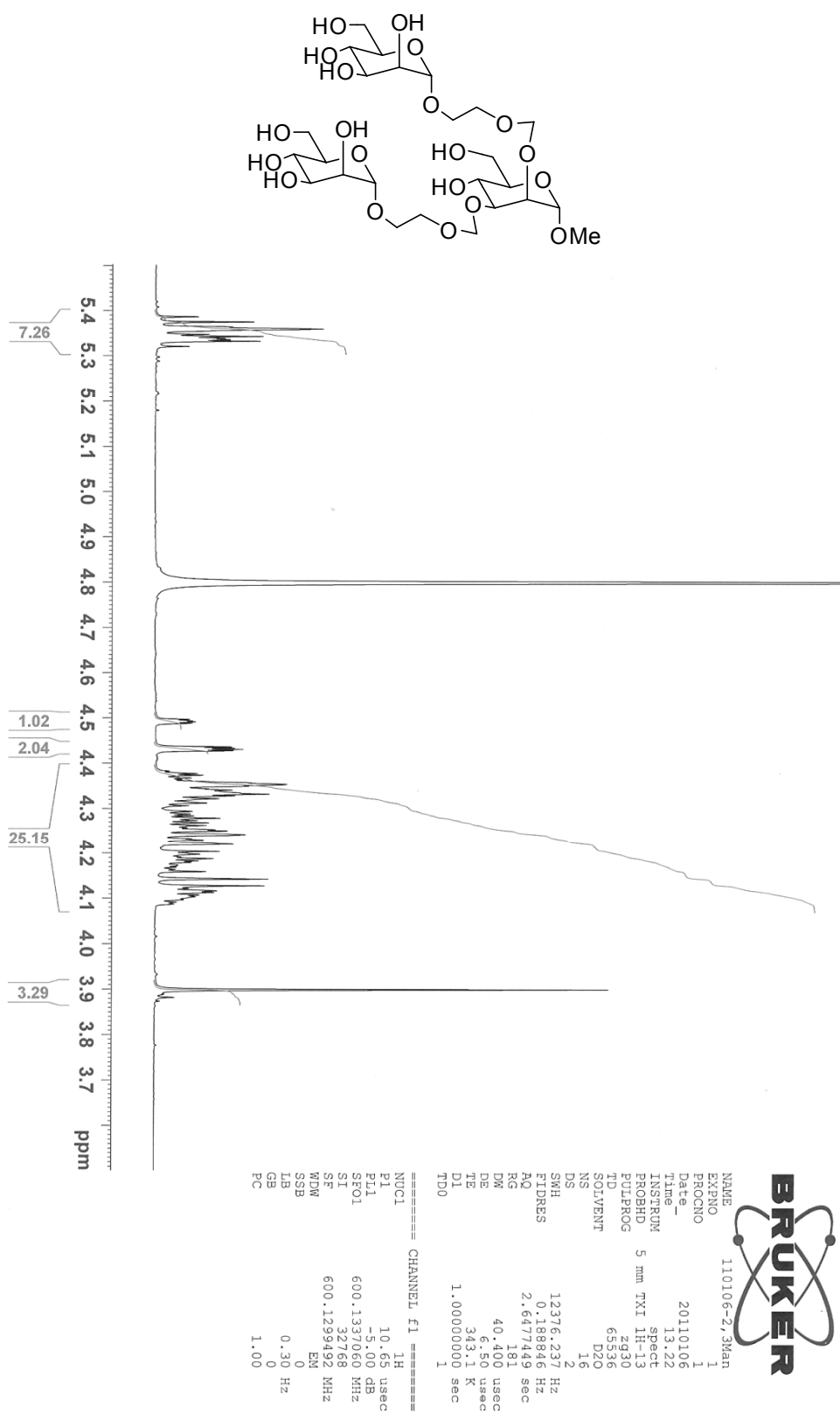


Fig S19. <sup>1</sup>H NMR of compound 18.

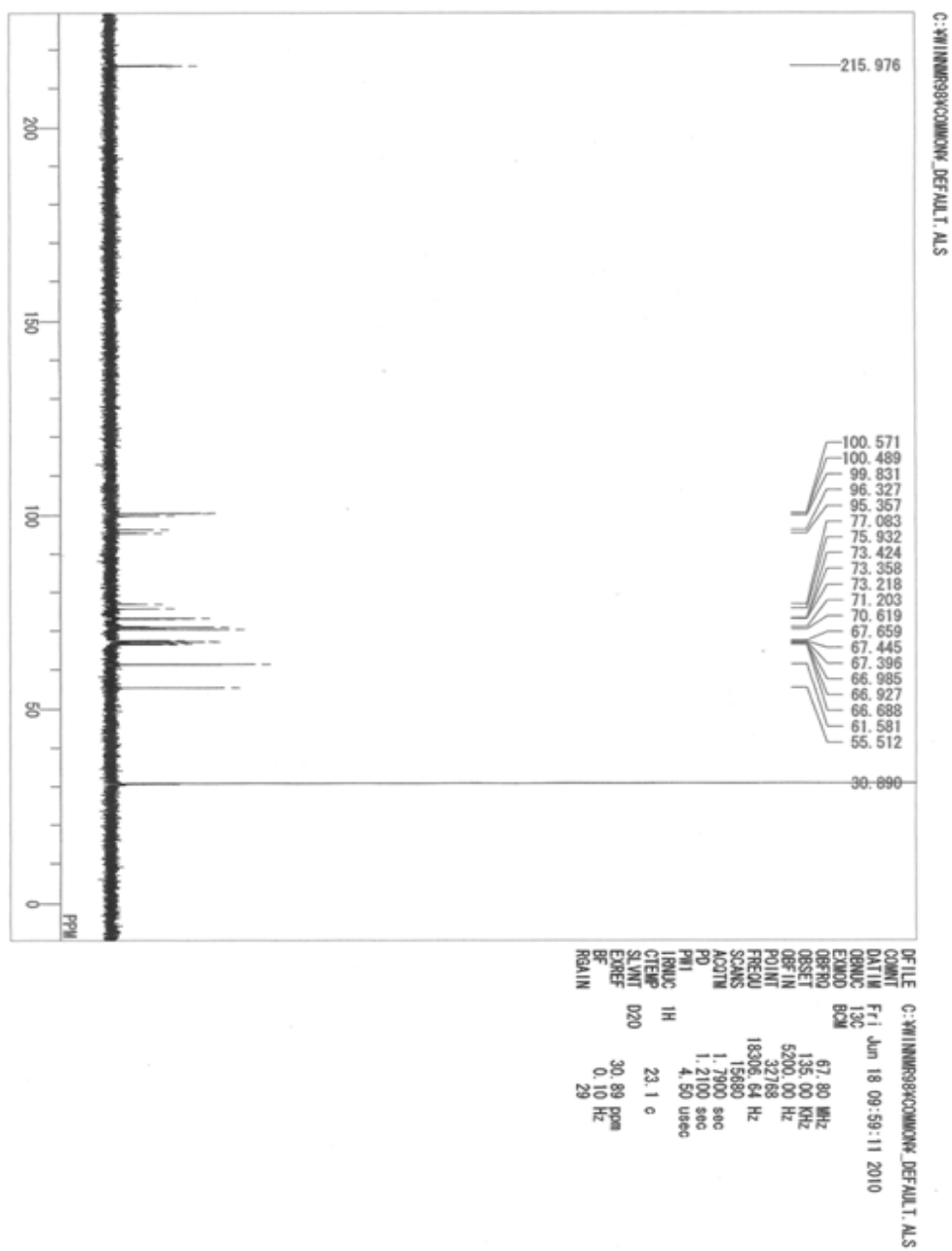


Fig S20.  $^{13}\text{C}$  NMR of compound 18.

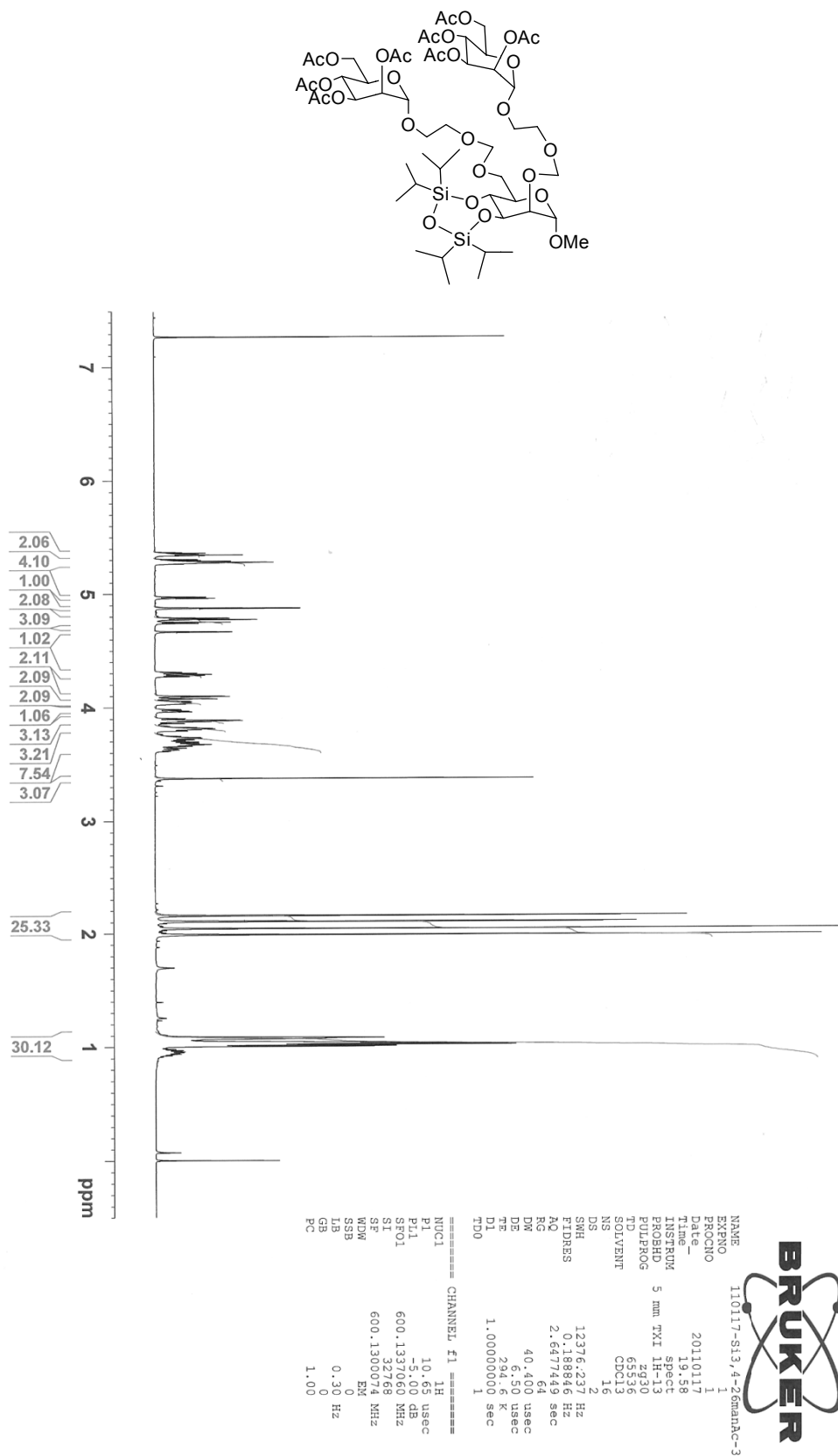


Fig S21. <sup>1</sup>H NMR of compound 20.

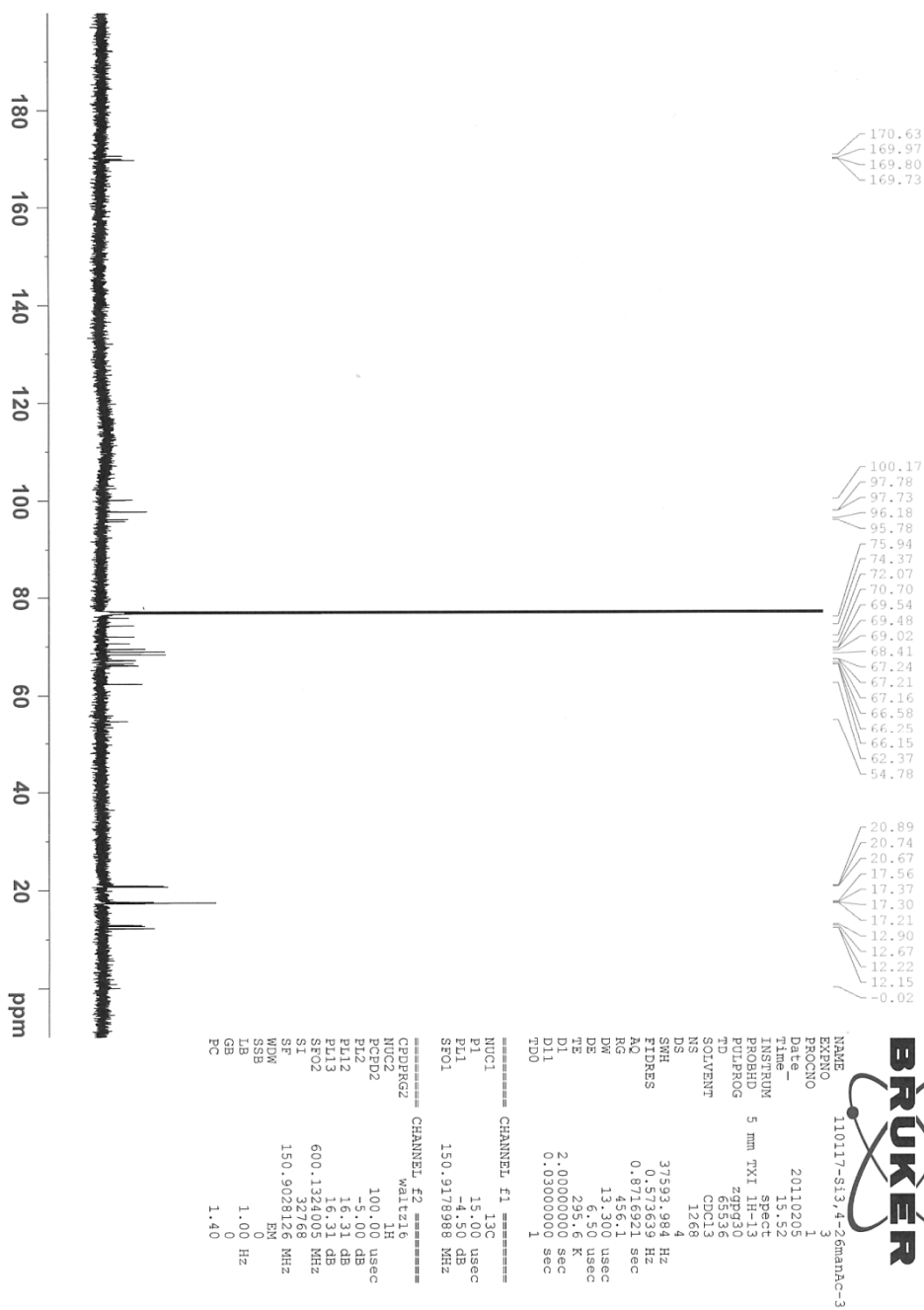


Fig S22.  $^{13}\text{C}$  NMR of compound 20.

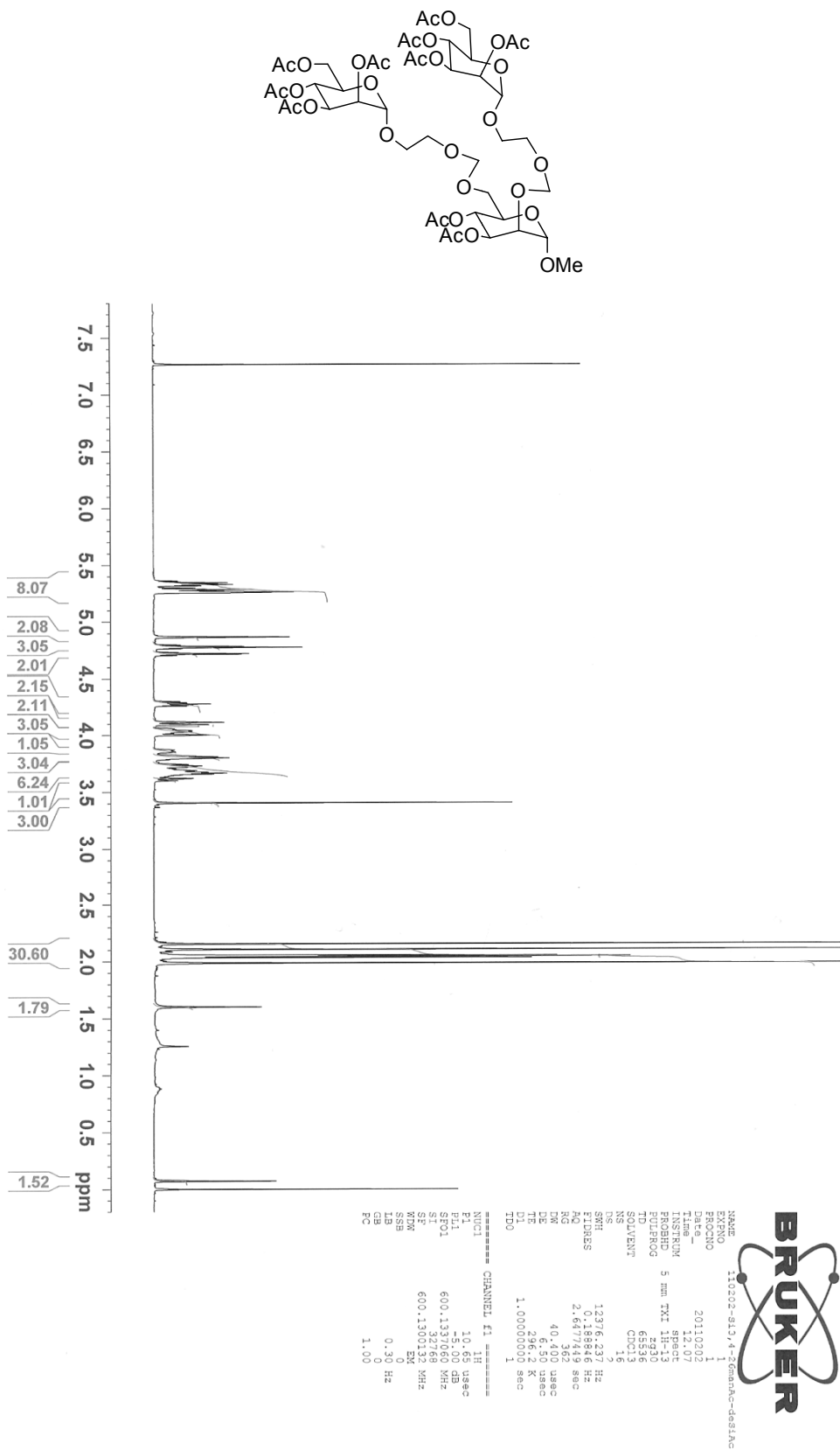


Fig S23. <sup>1</sup>H NMR of compound 22.



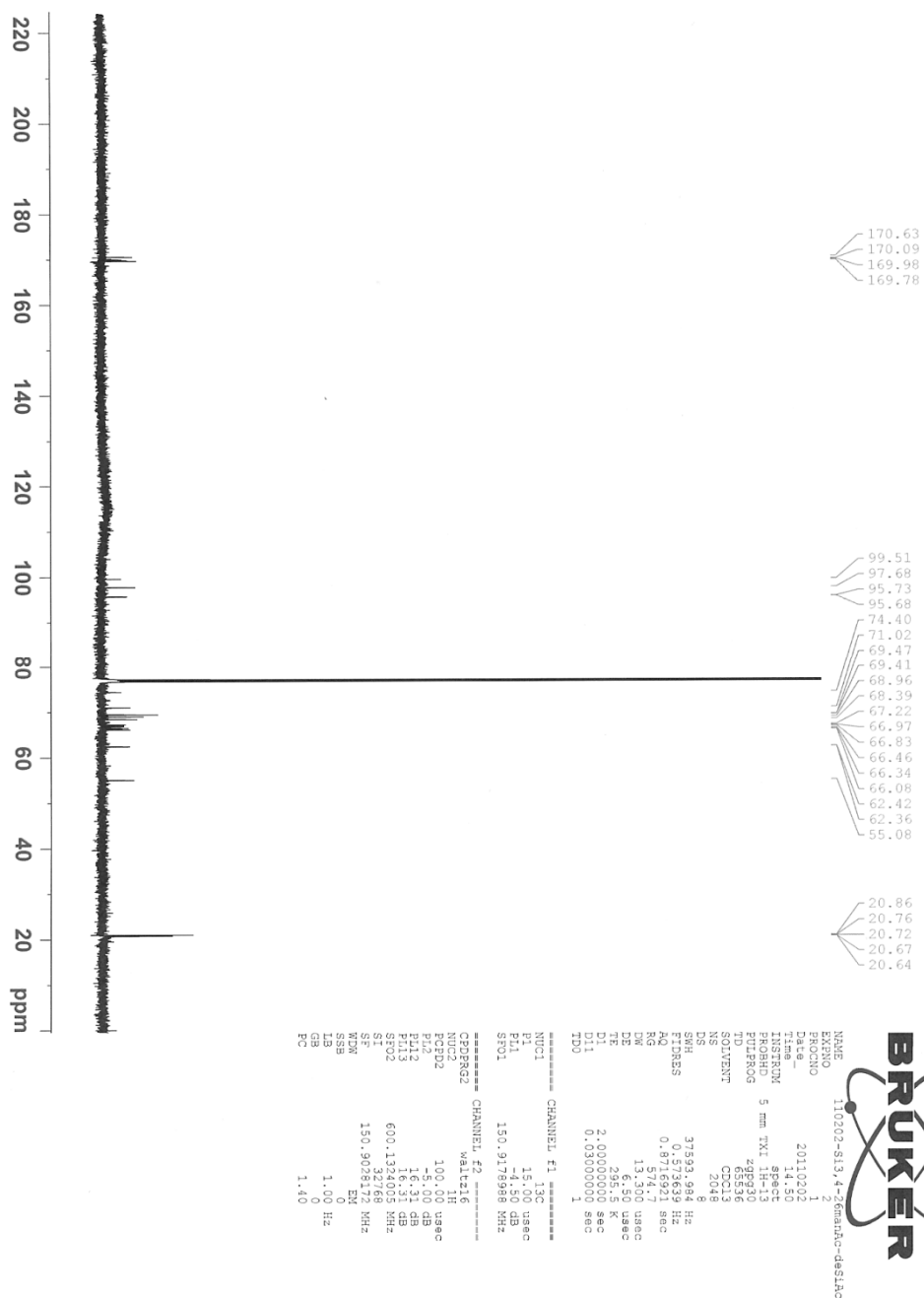


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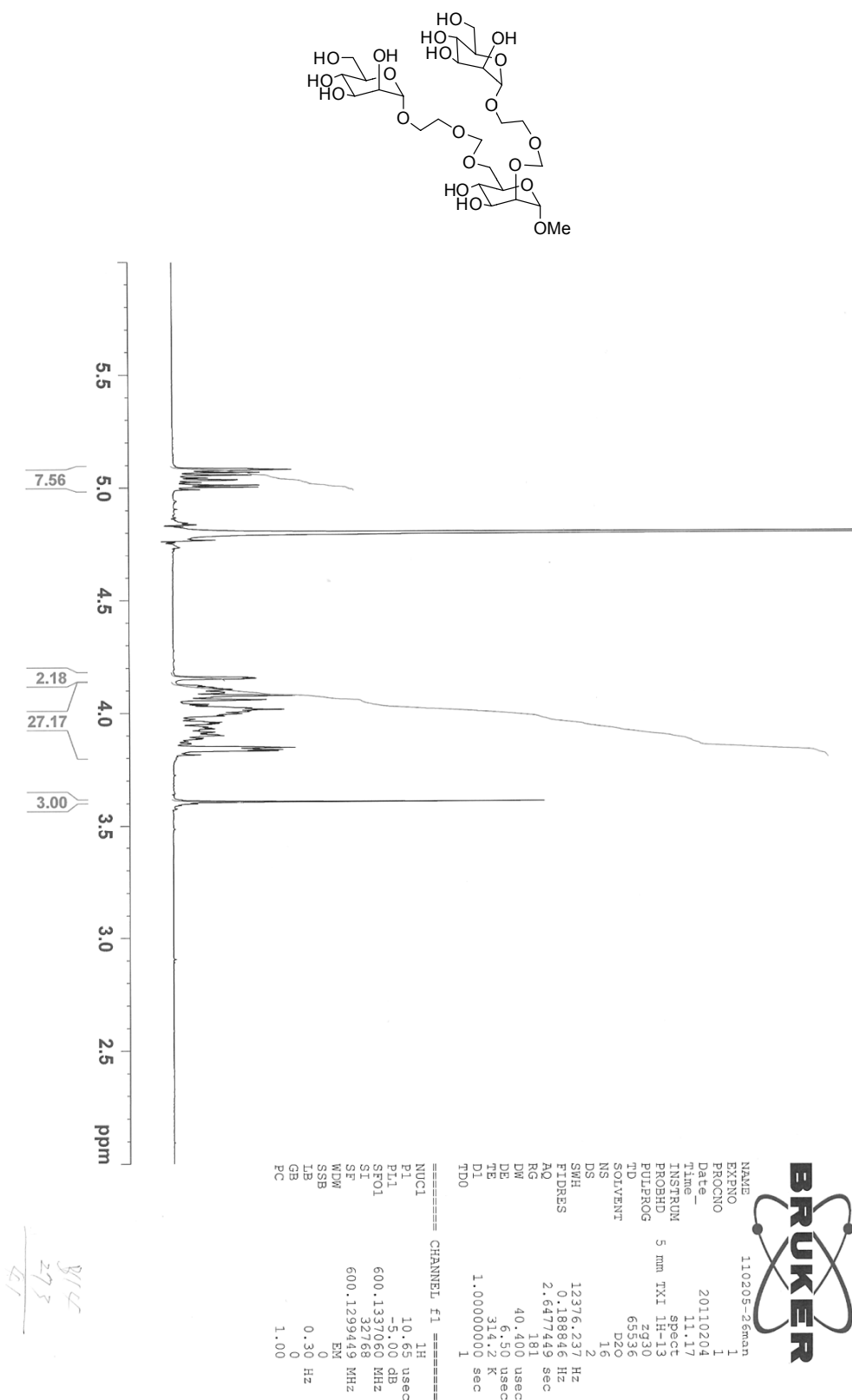


Fig S25. <sup>1</sup>H NMR of compound 23.

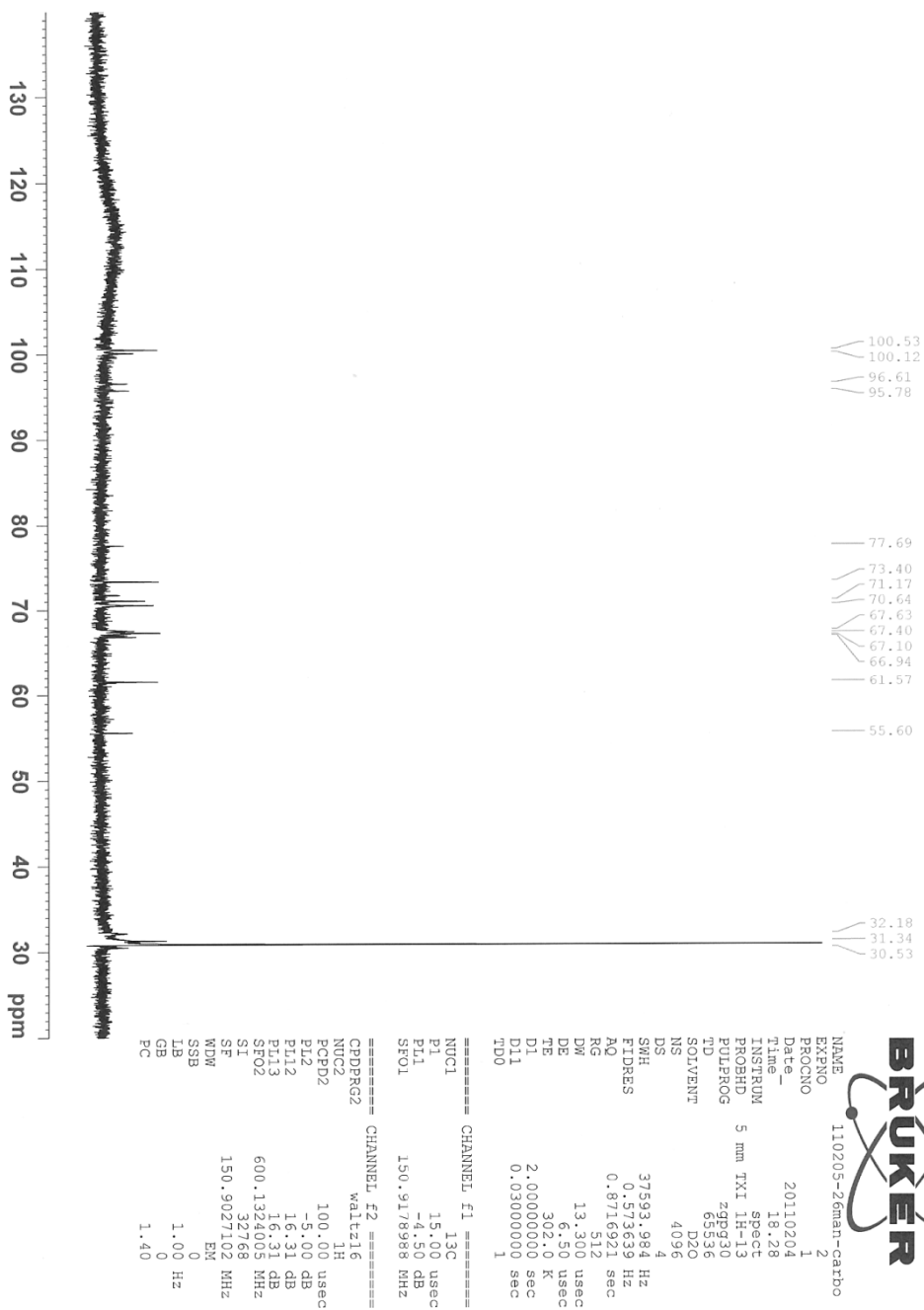


Fig S26.  $^{13}\text{C}$  NMR of compound 23.