

Article

# 1-(1-Arylethylpiperidin-4-yl)thymine Analogs as Antimycobacterial TMPK Inhibitors

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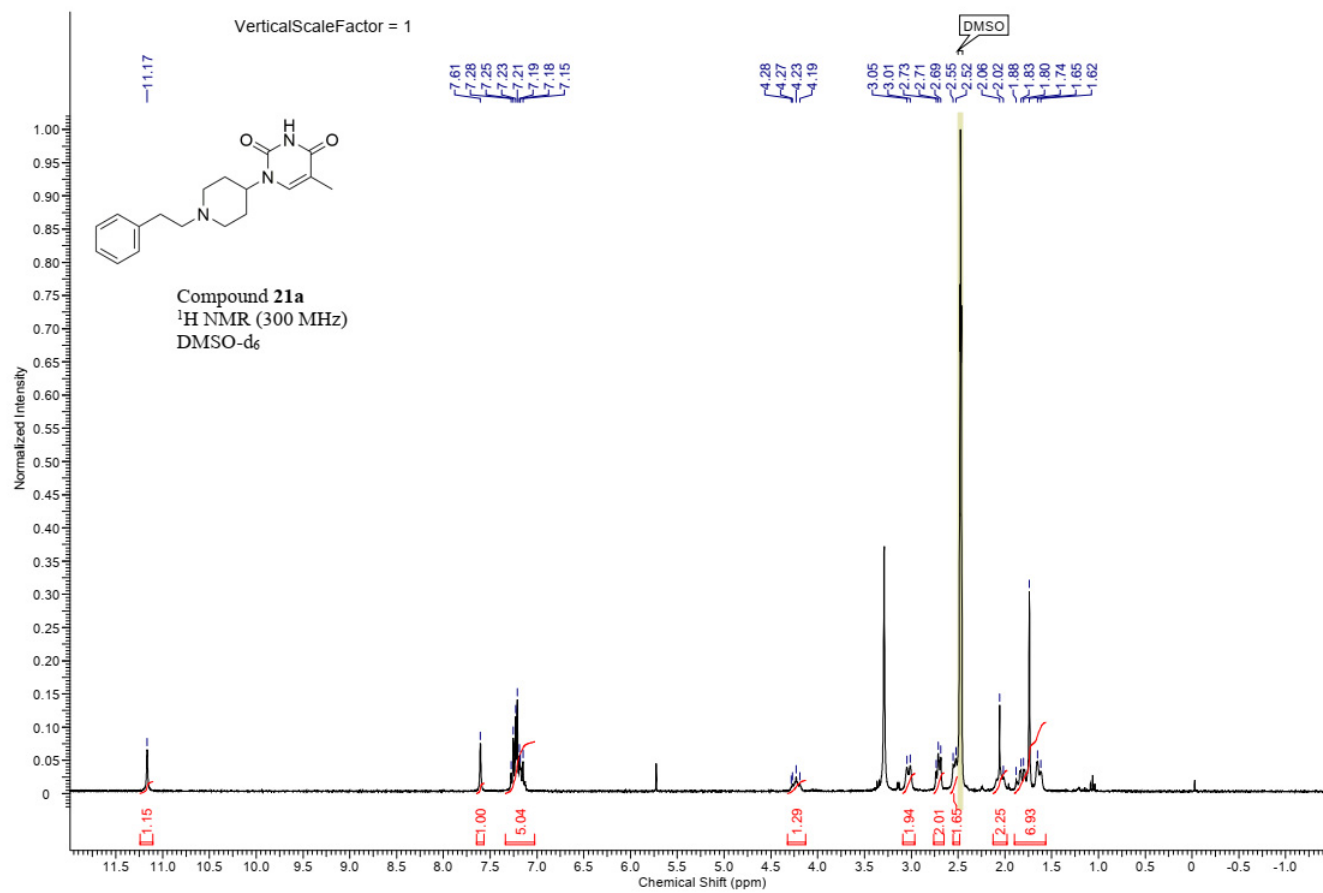
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Figure S1. <sup>1</sup>H NMR spectrum of compound 21a.

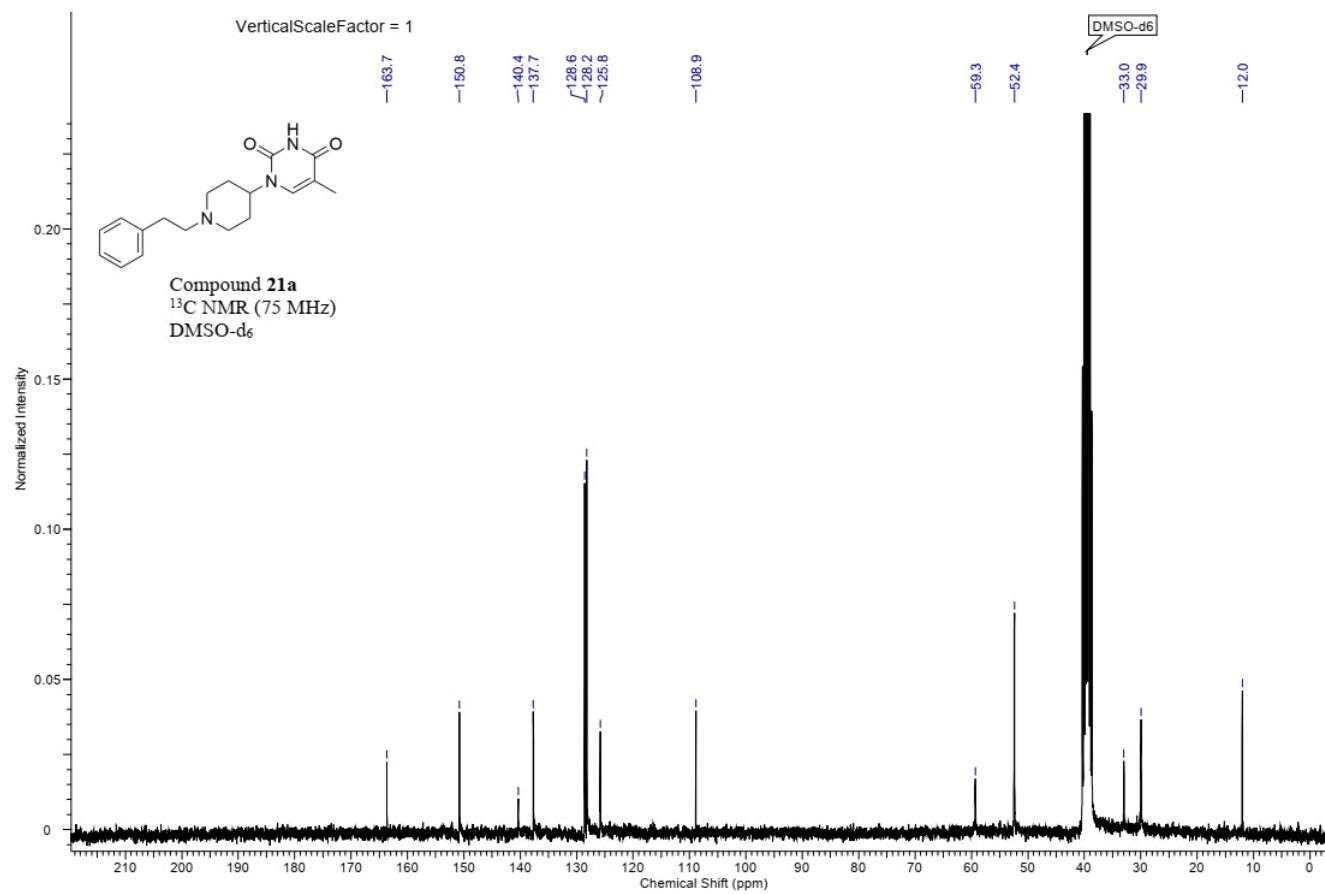
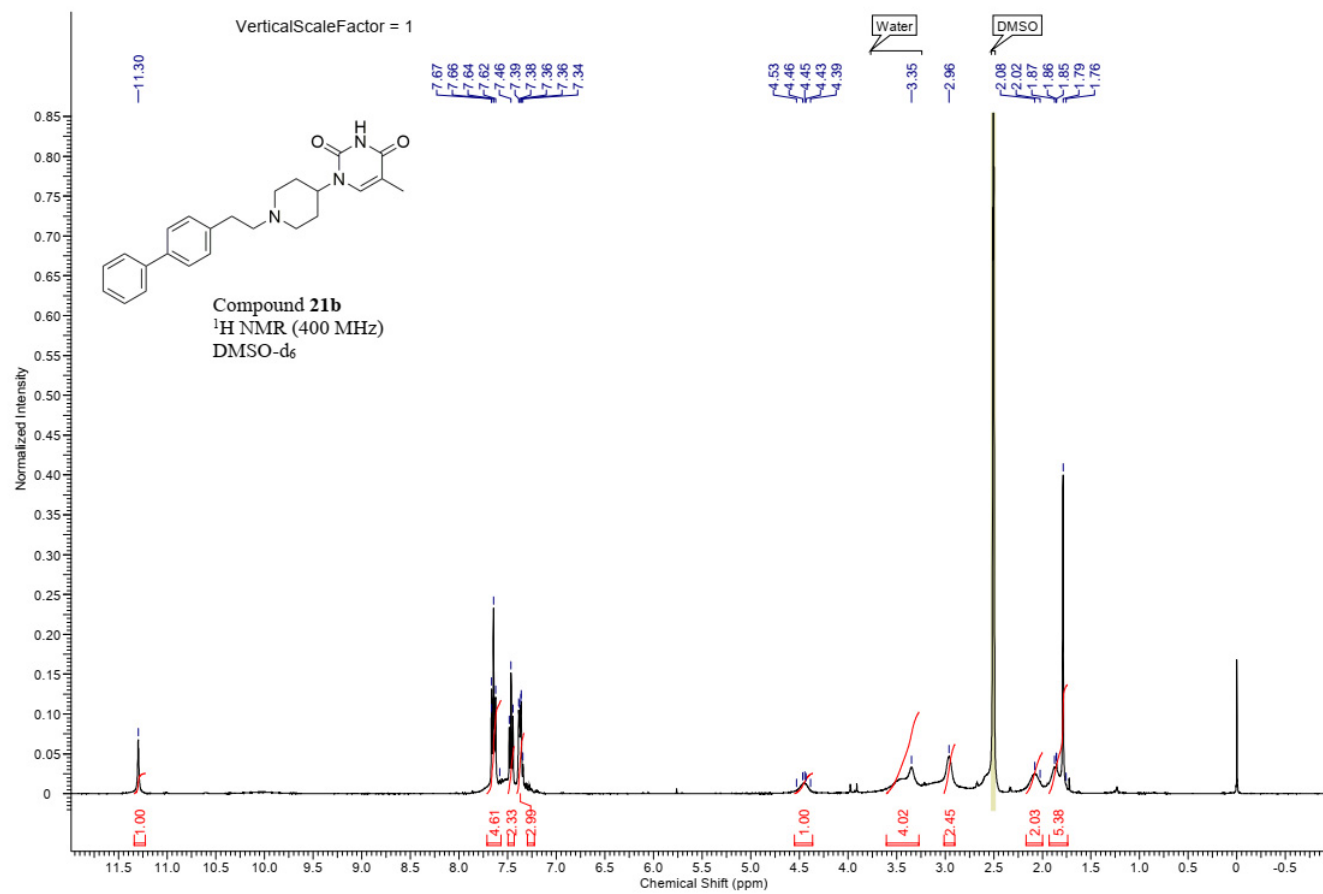


Figure S2. <sup>13</sup>C NMR spectrum of compound **21a**.

Figure S3. <sup>1</sup>H NMR spectrum of compound **21b**.

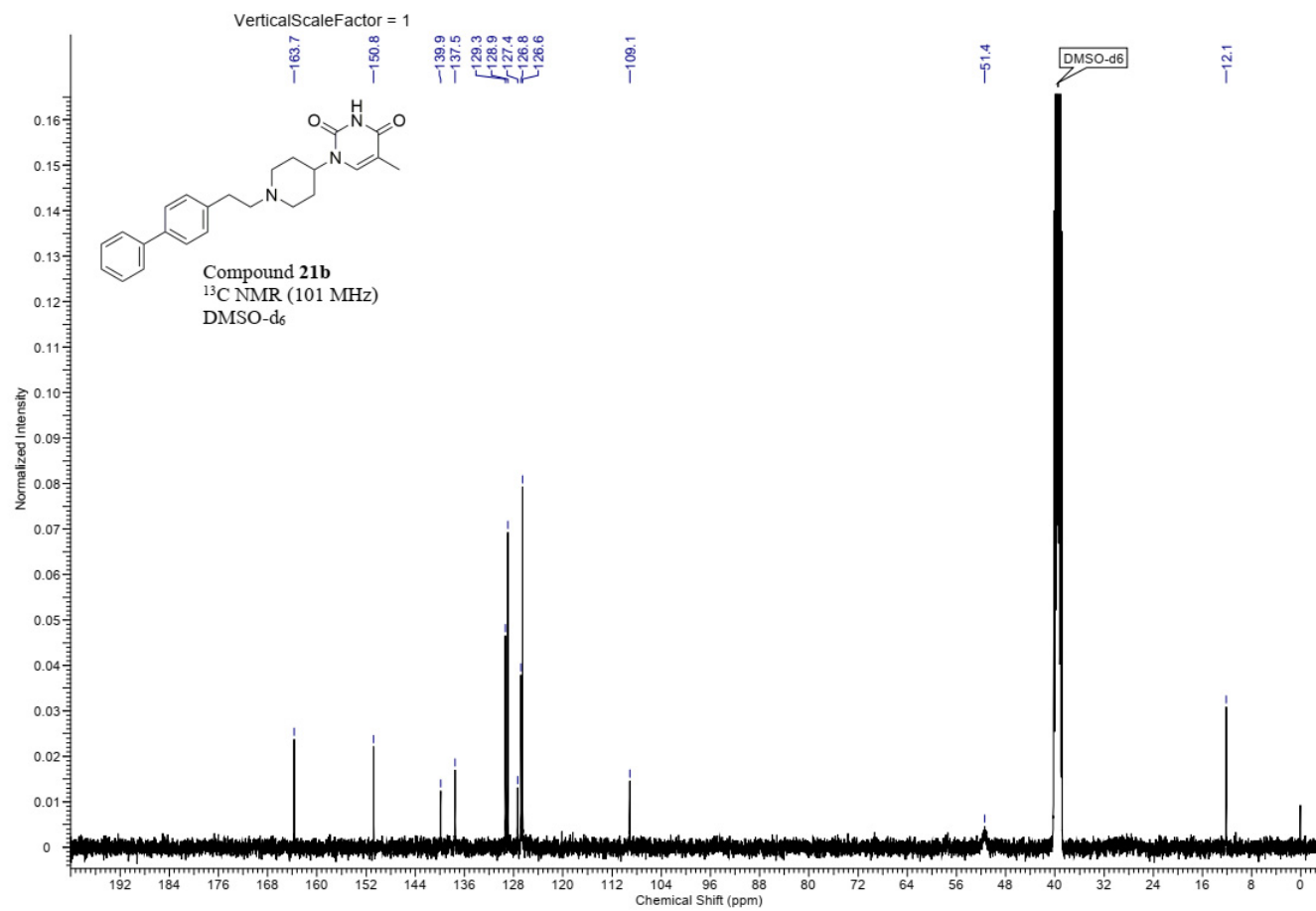


Figure S4. <sup>13</sup>C NMR spectrum of compound **21b**.

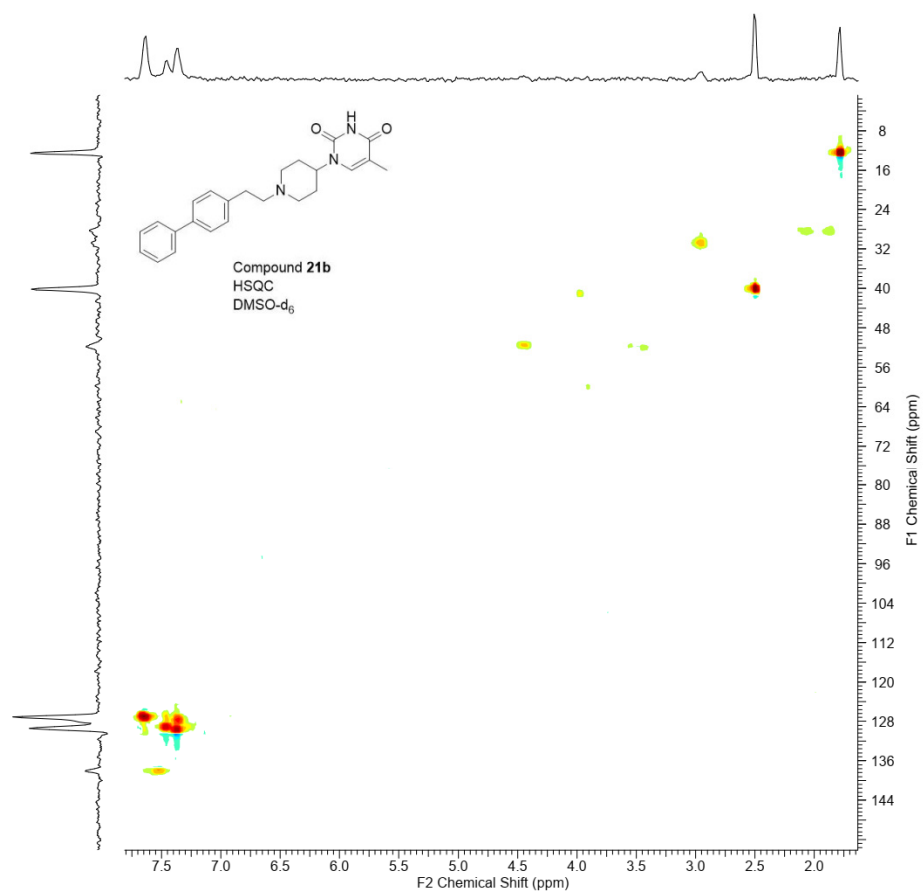


Figure S5. HSQC spectrum of compound 21b.

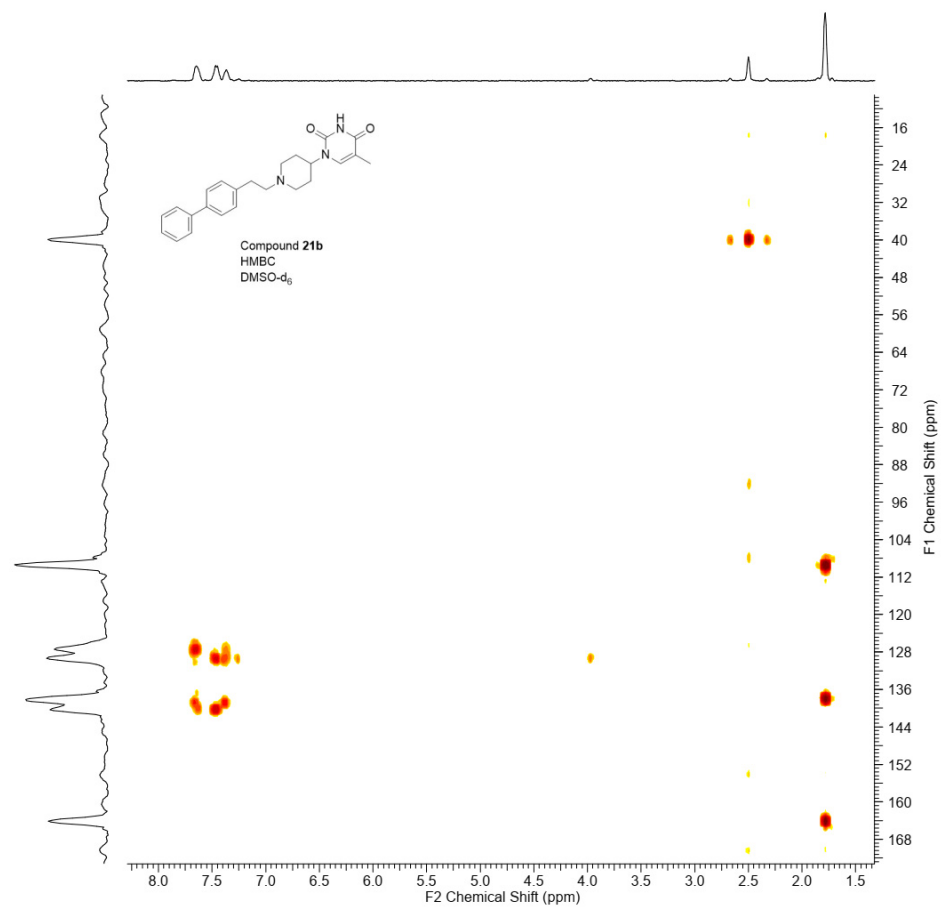
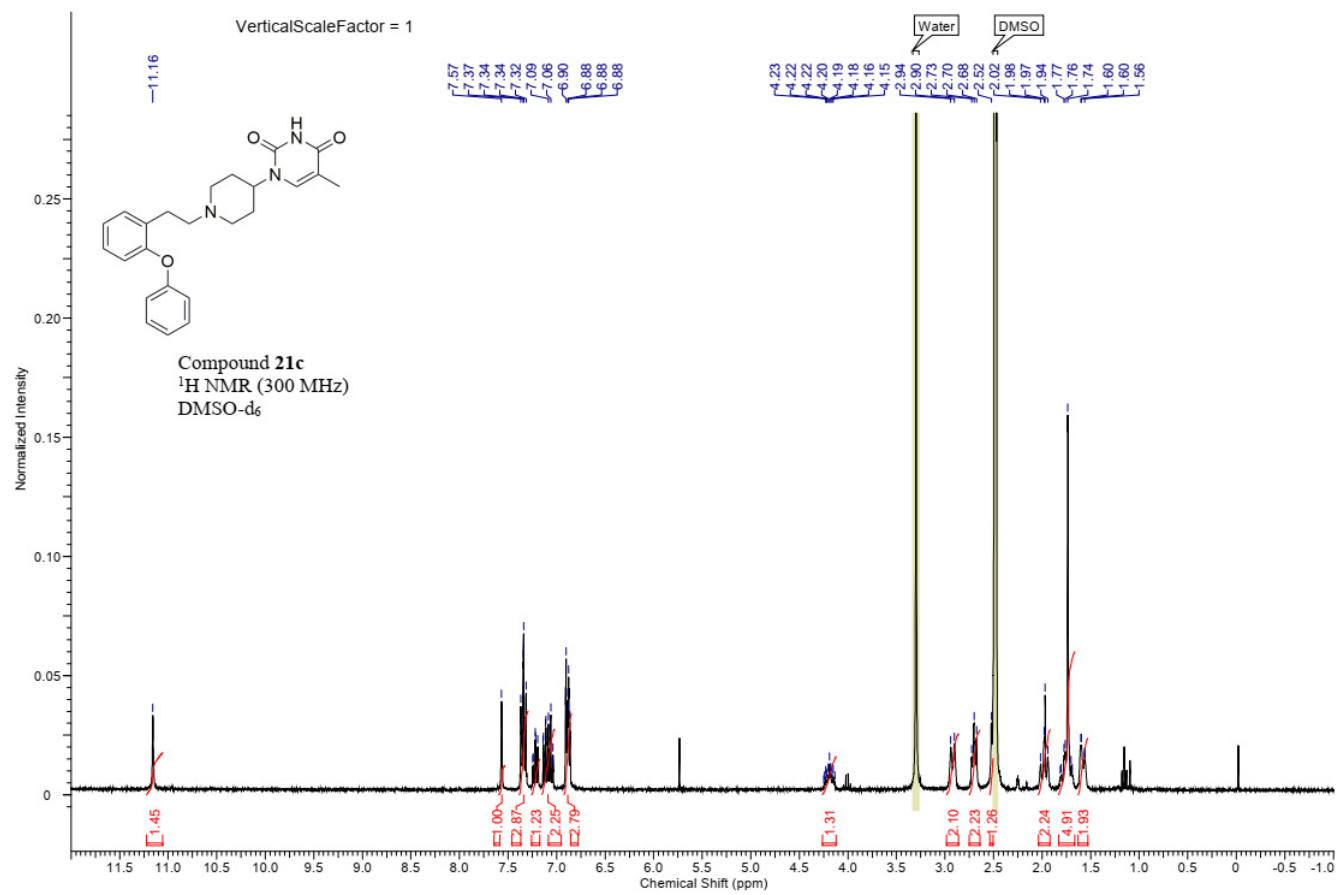
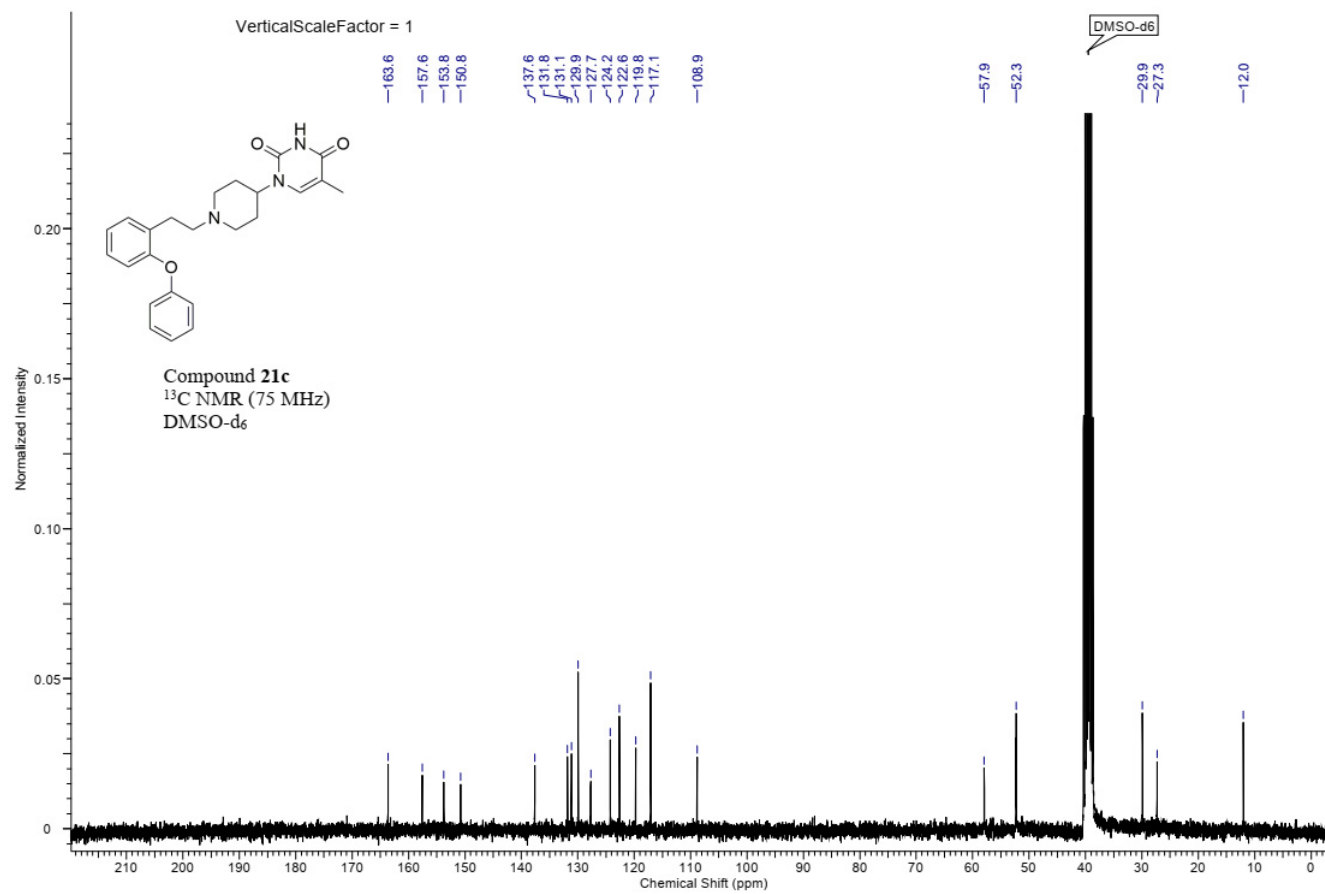
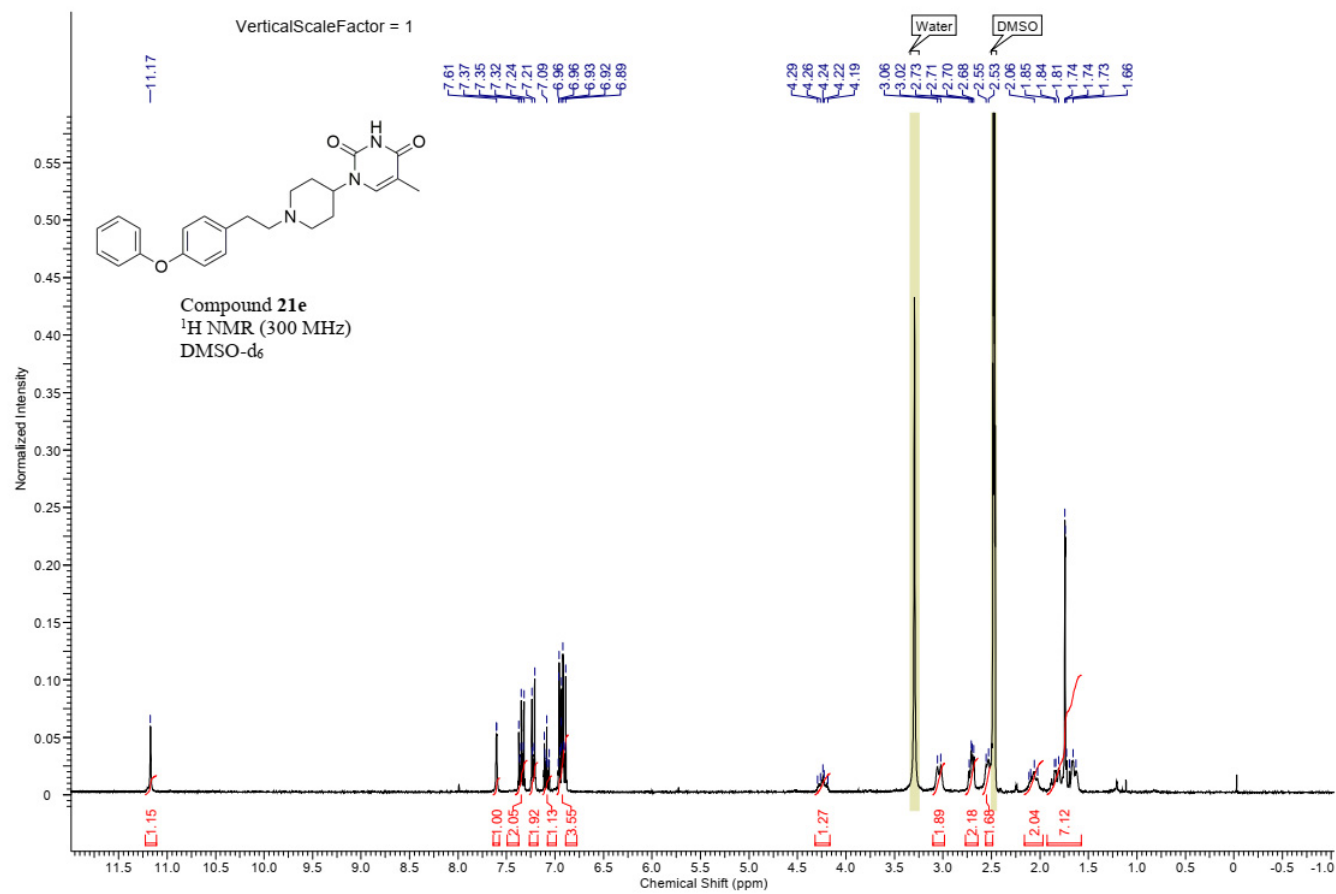


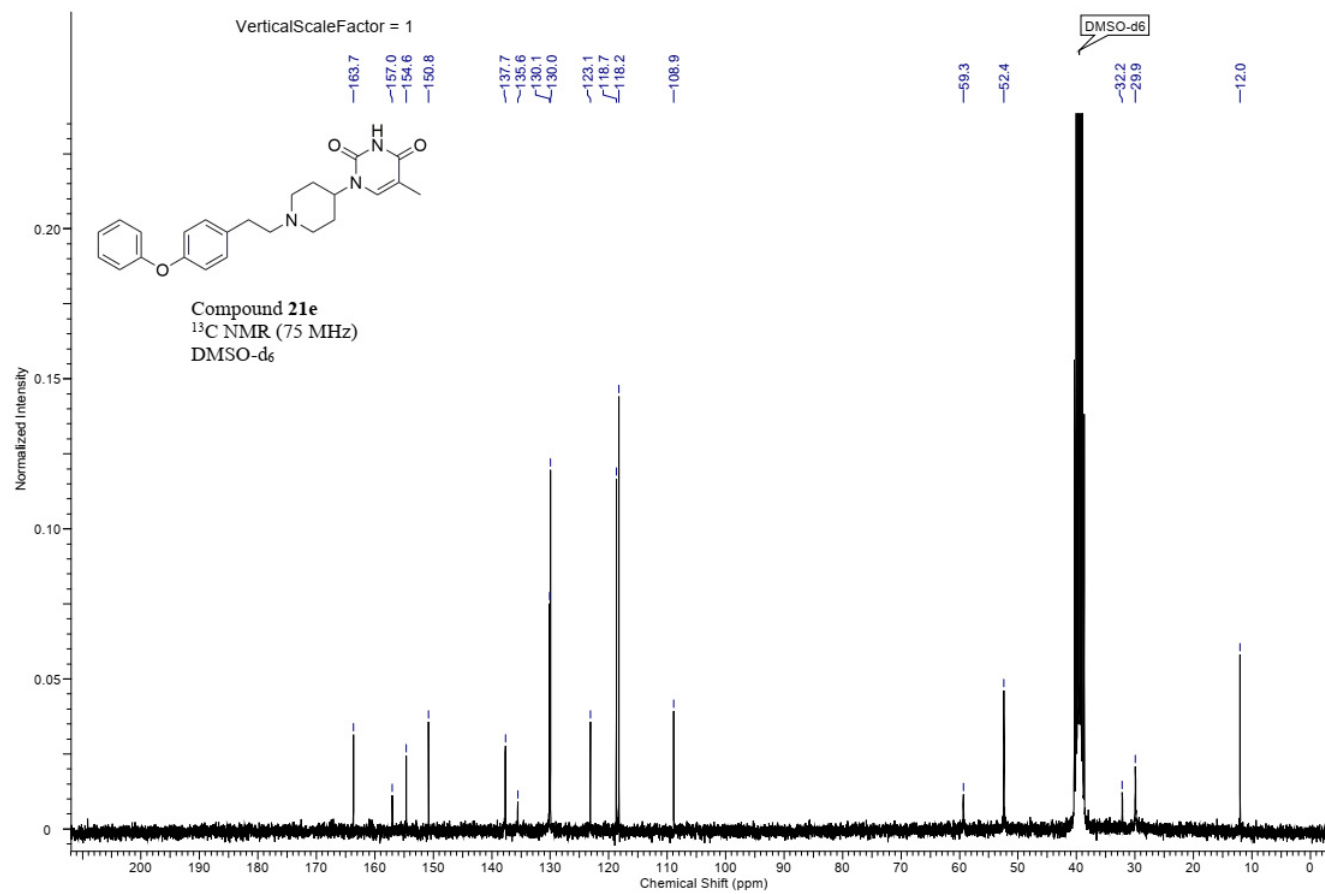
Figure S6. HMBC spectrum of compound 21b.

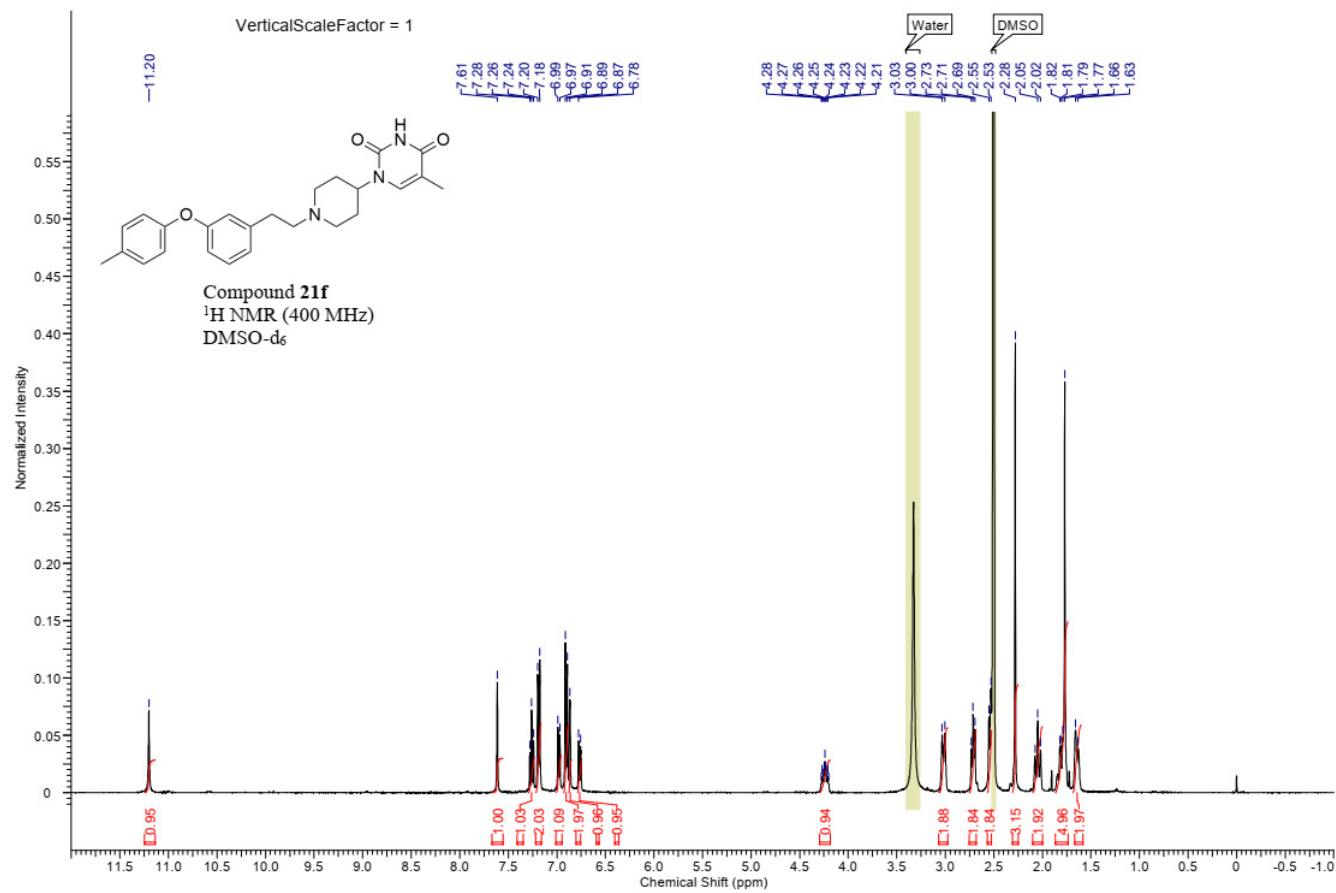
Figure S7. <sup>1</sup>H NMR spectrum of compound 21c.



Figure S8.  $^{13}\text{C}$  NMR spectrum of compound 21c.

Figure S9. <sup>1</sup>H NMR spectrum of compound **21e**.

Figure S10. <sup>13</sup>C NMR spectrum of compound **21e**.

Figure S11. <sup>1</sup>H NMR spectrum of compound 21f.

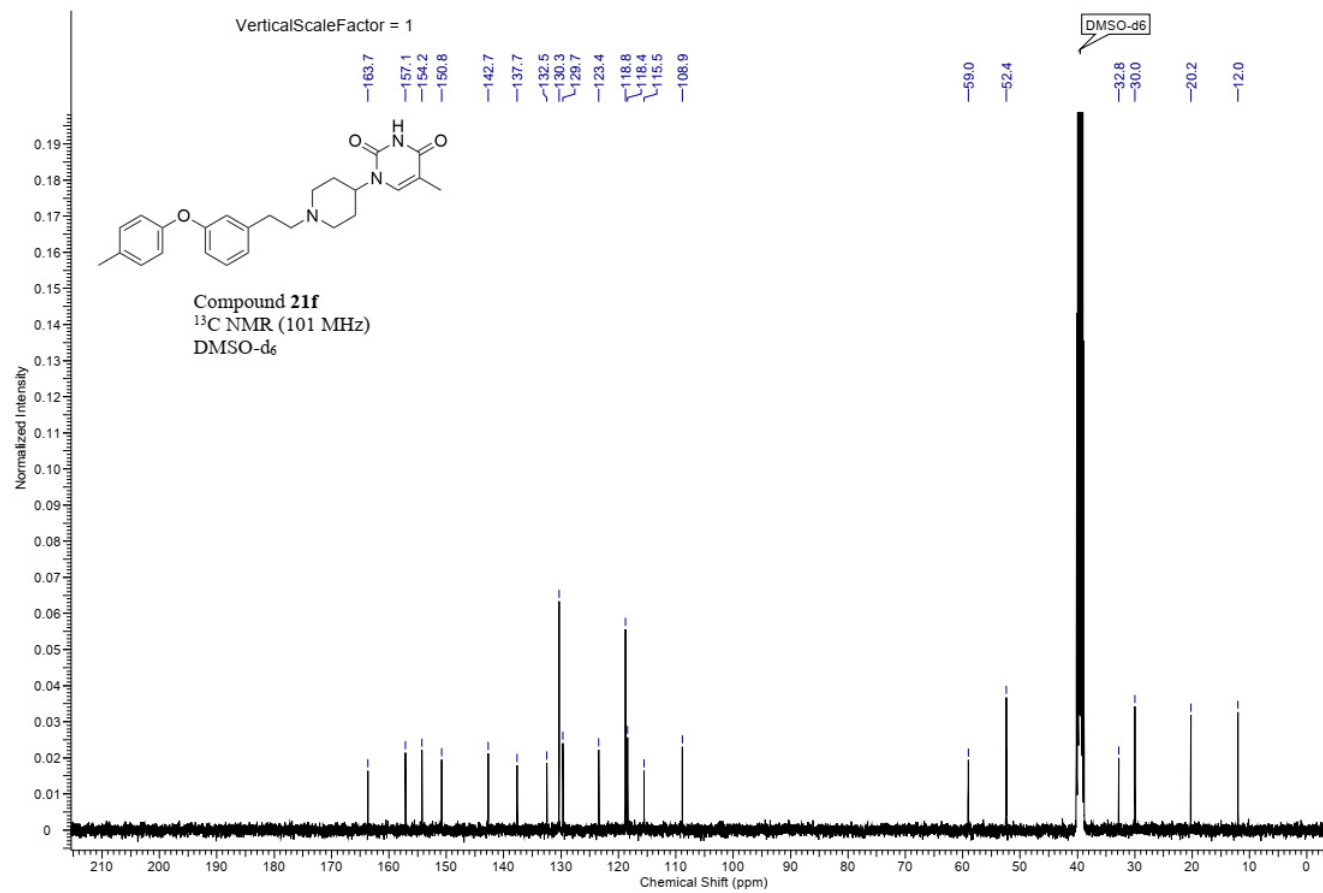
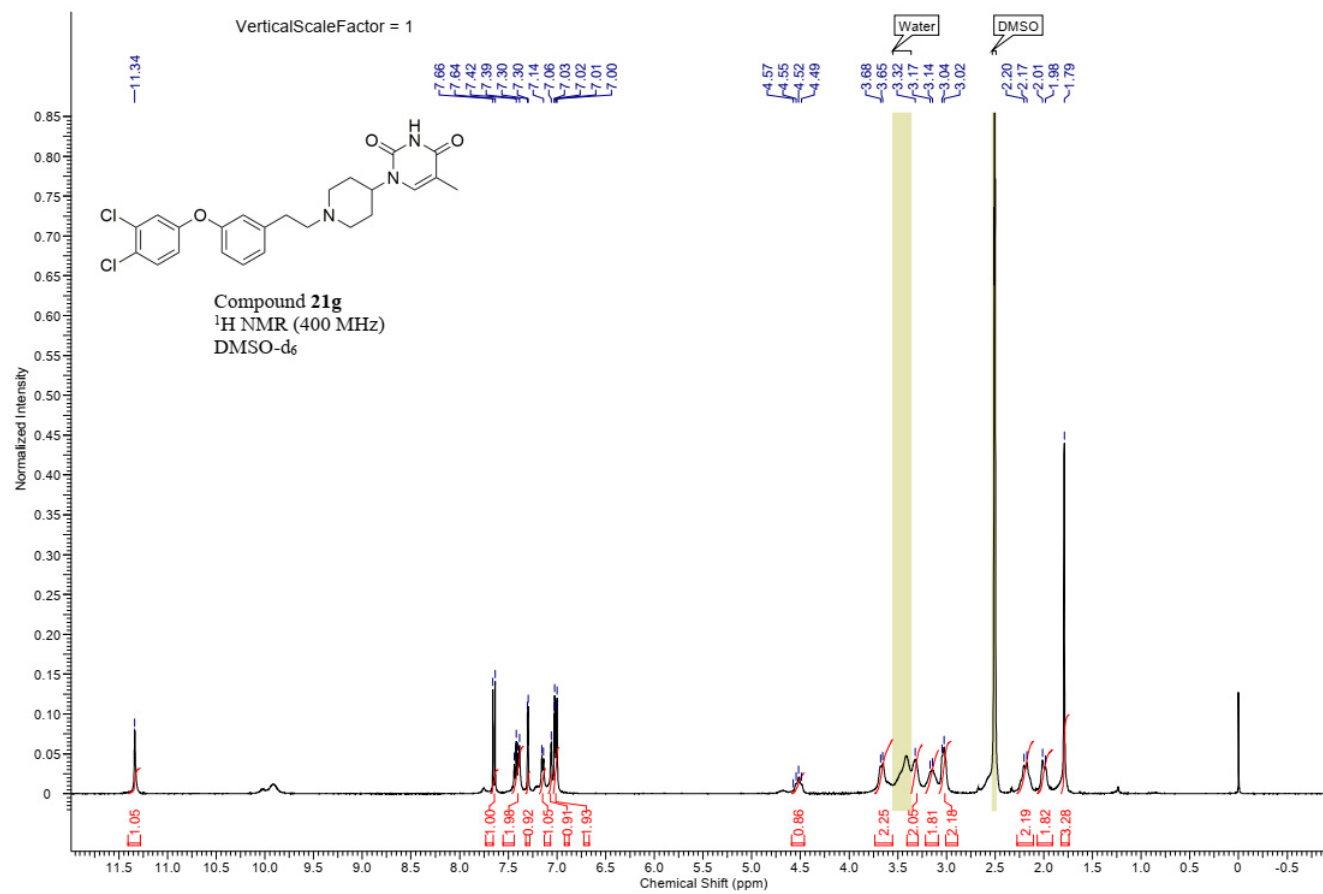


Figure S12.  $^{13}\text{C}$  NMR spectrum of compound **21f**.

Figure S13. <sup>1</sup>H NMR spectrum of compound 21g.

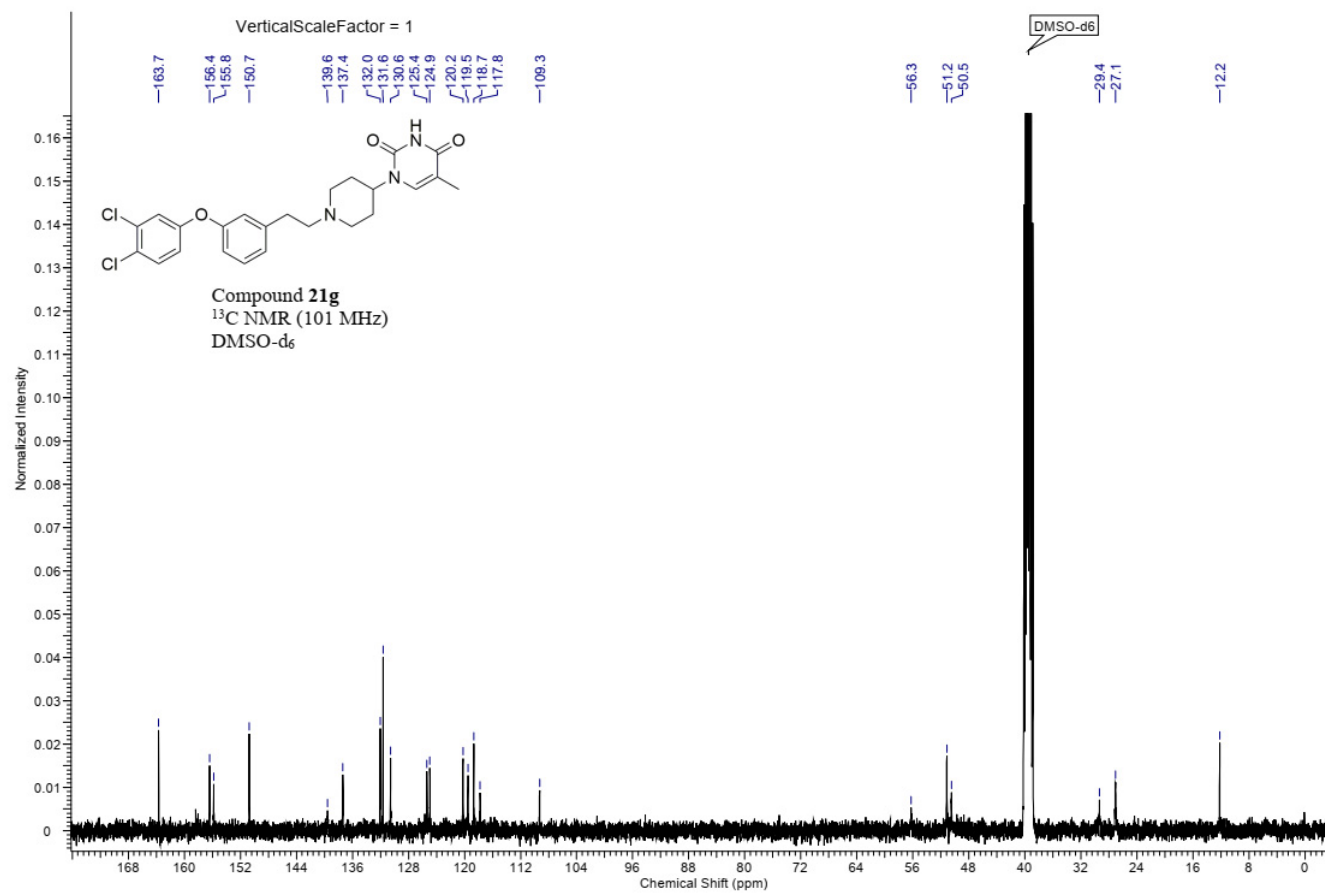
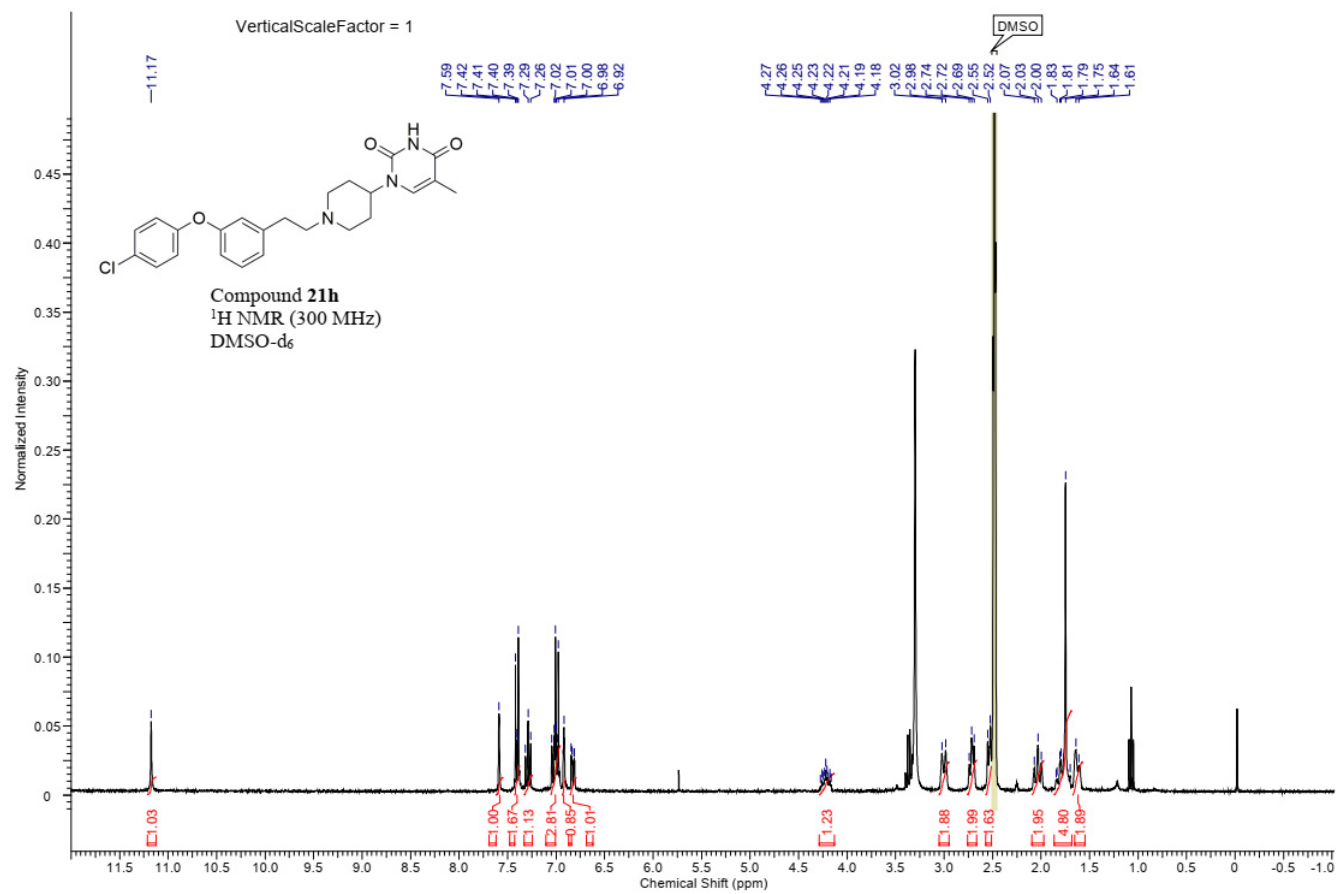


Figure S14.  $^{13}\text{C}$  NMR spectrum of compound **21g**.

Figure S15. <sup>1</sup>H NMR spectrum of compound 21h.



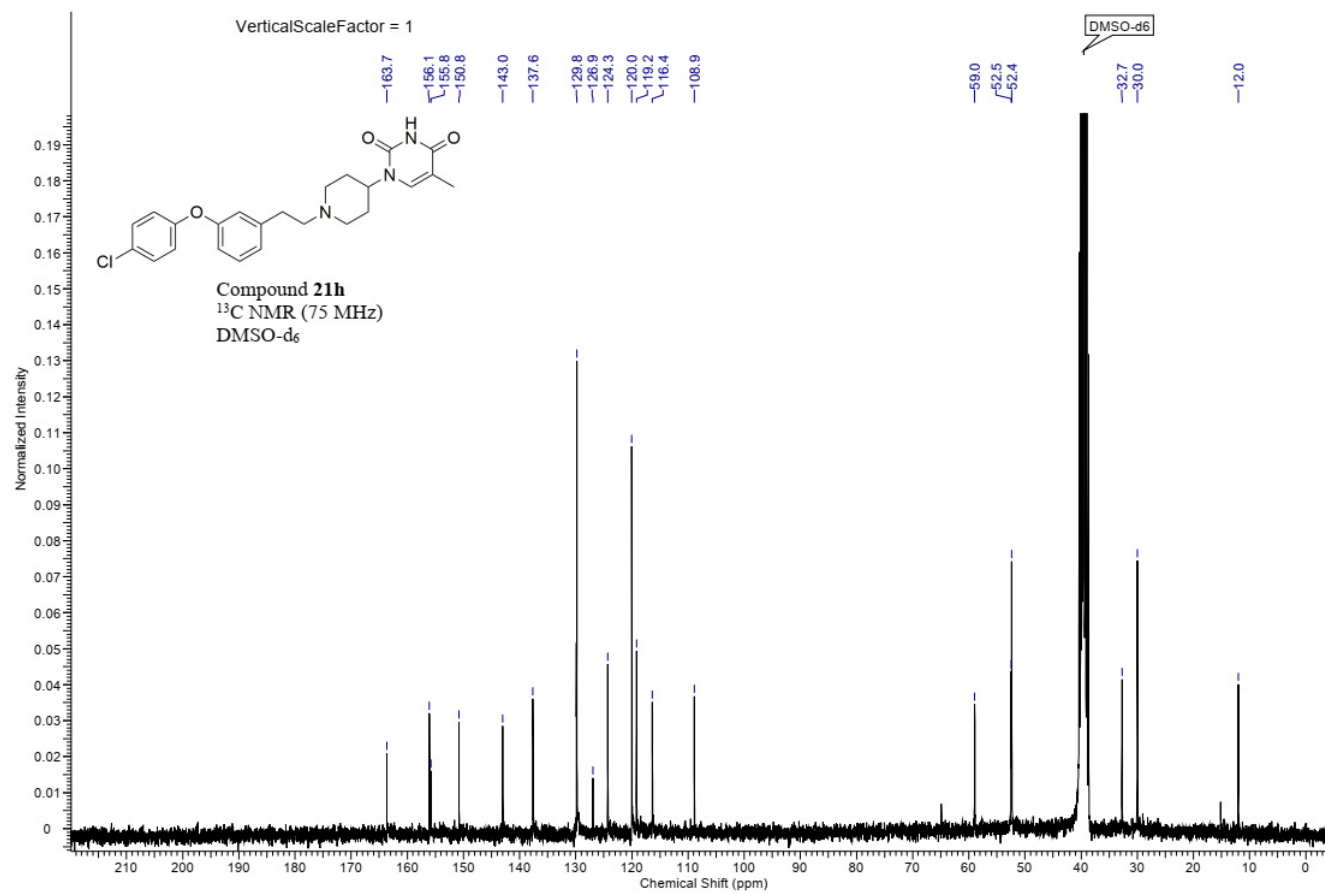
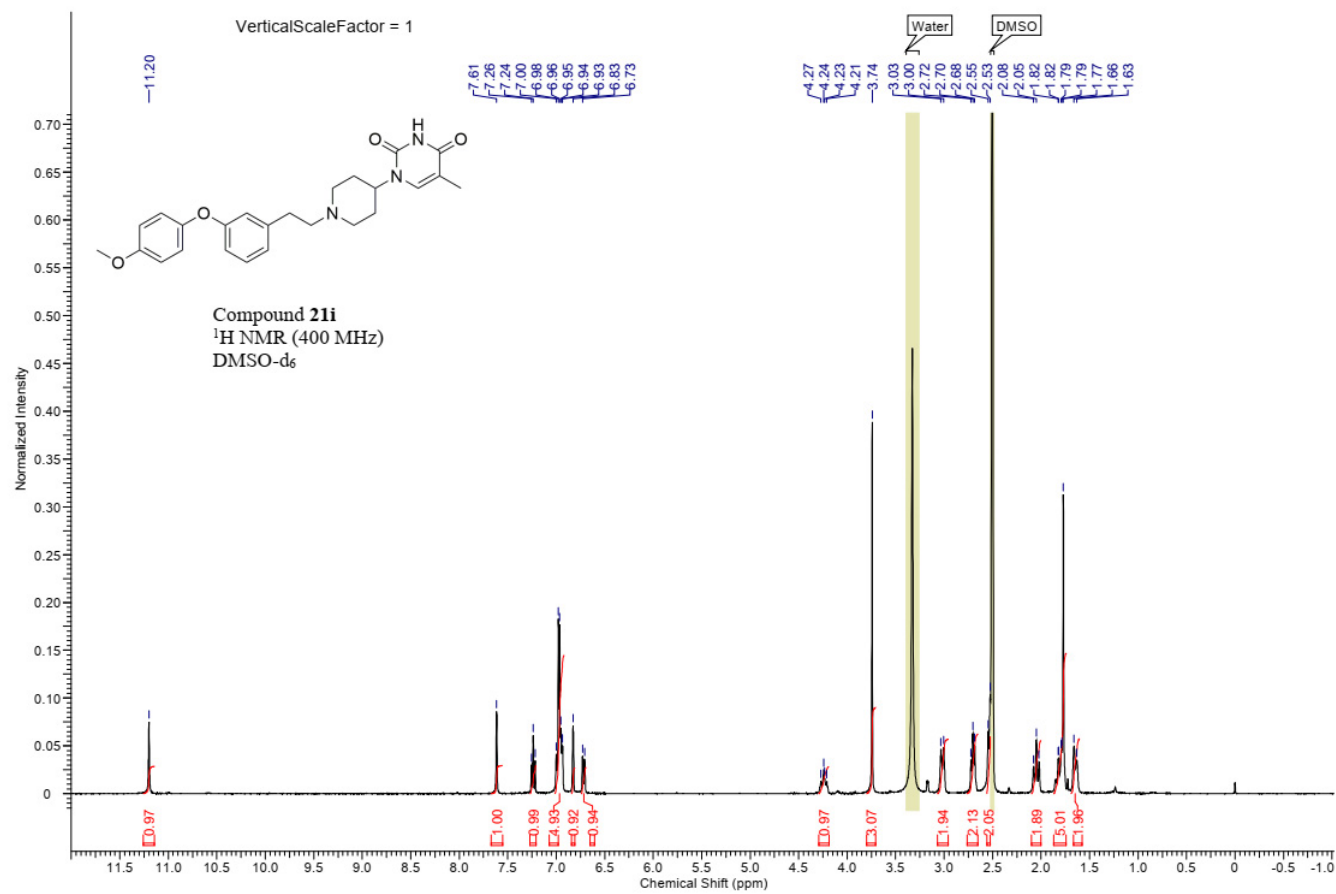


Figure S16.  $^{13}\text{C}$  NMR spectrum of compound **21h**.

Figure S17. <sup>1</sup>H NMR spectrum of compound **21i**.

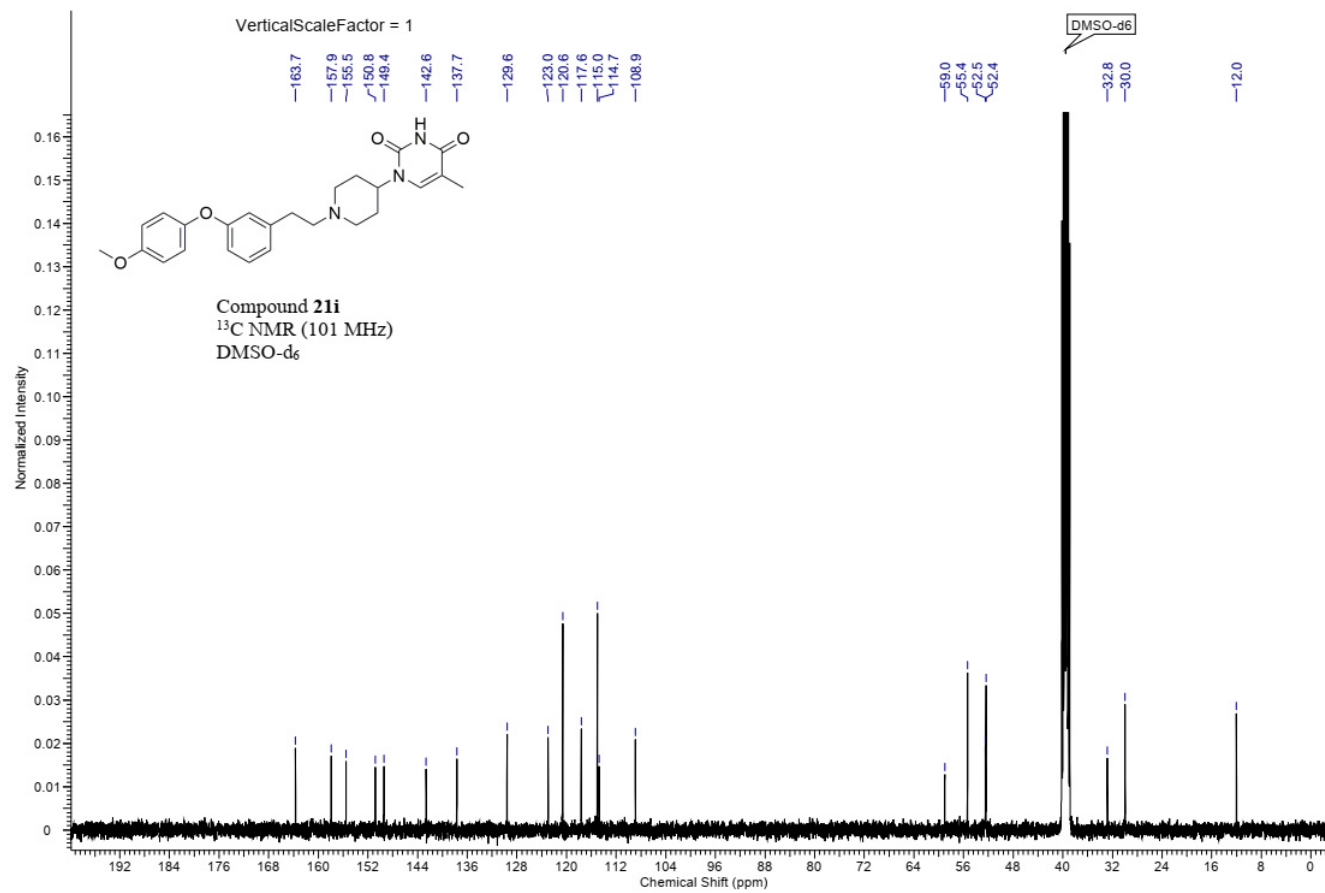
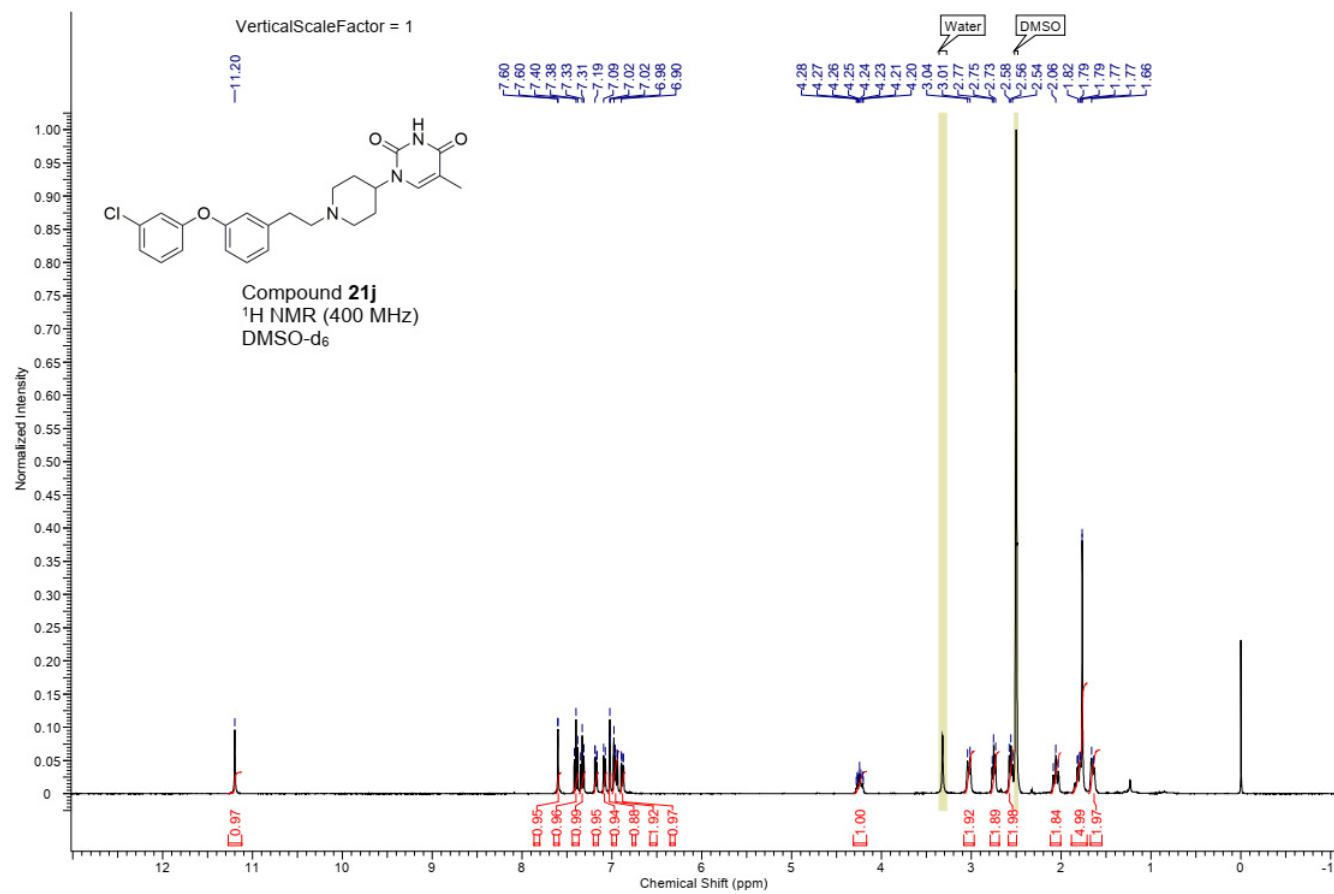


Figure S18. <sup>13</sup>C NMR spectrum of compound 21i.

Figure S19. <sup>1</sup>H NMR spectrum of compound **21j**.

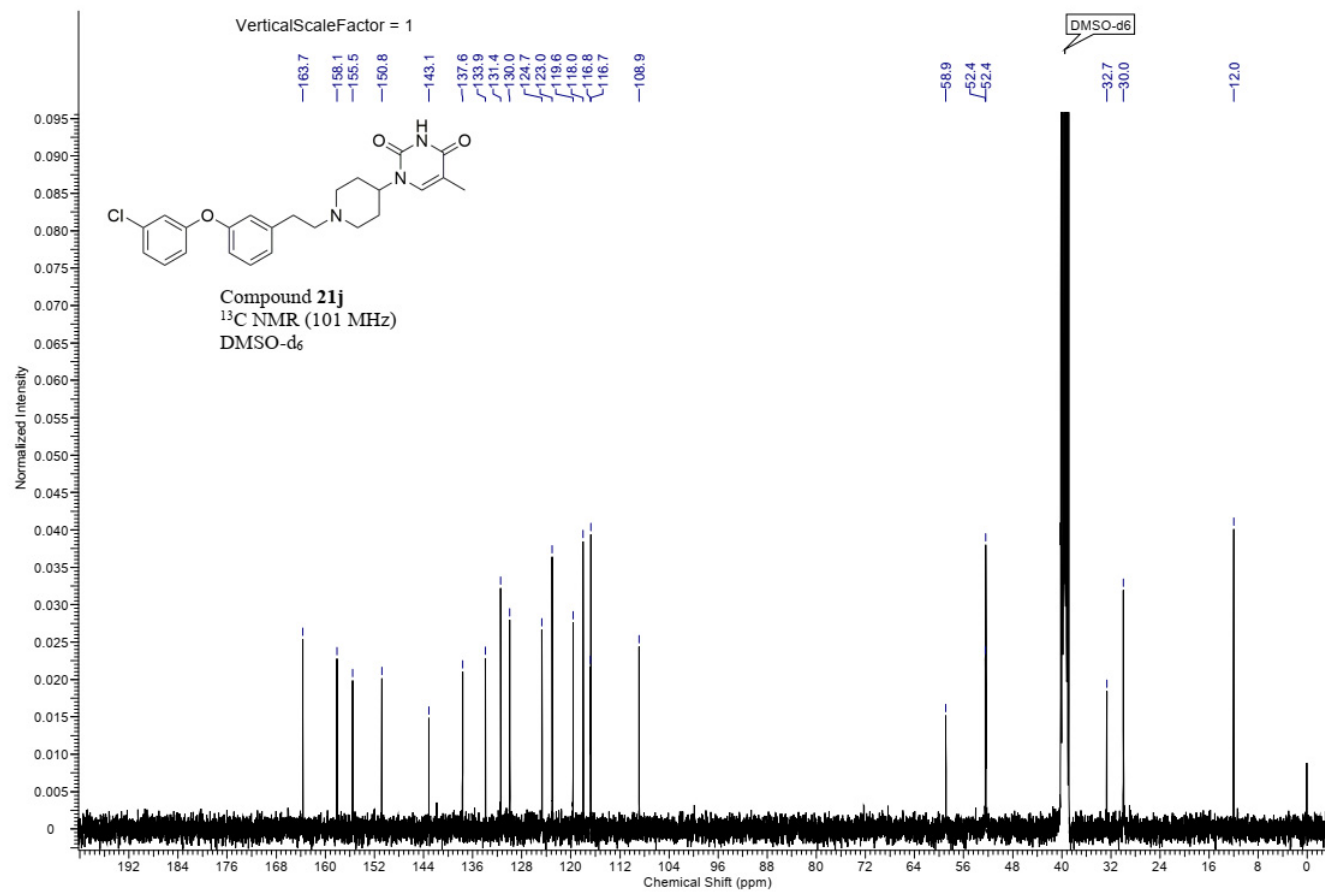
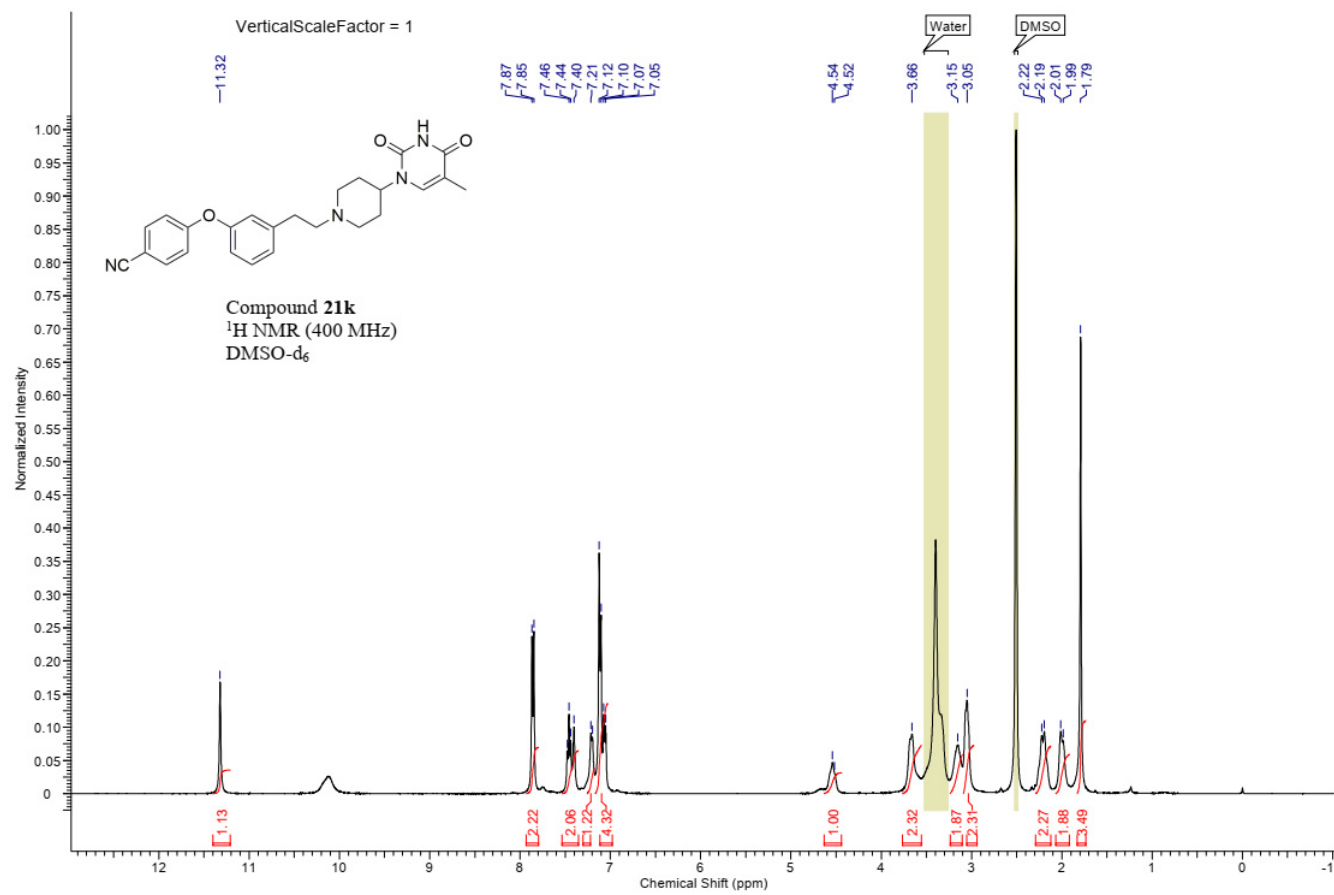


Figure S20.  $^{13}\text{C}$  NMR spectrum of compound 21j.

Figure S21. <sup>1</sup>H NMR spectrum of compound **21k**.

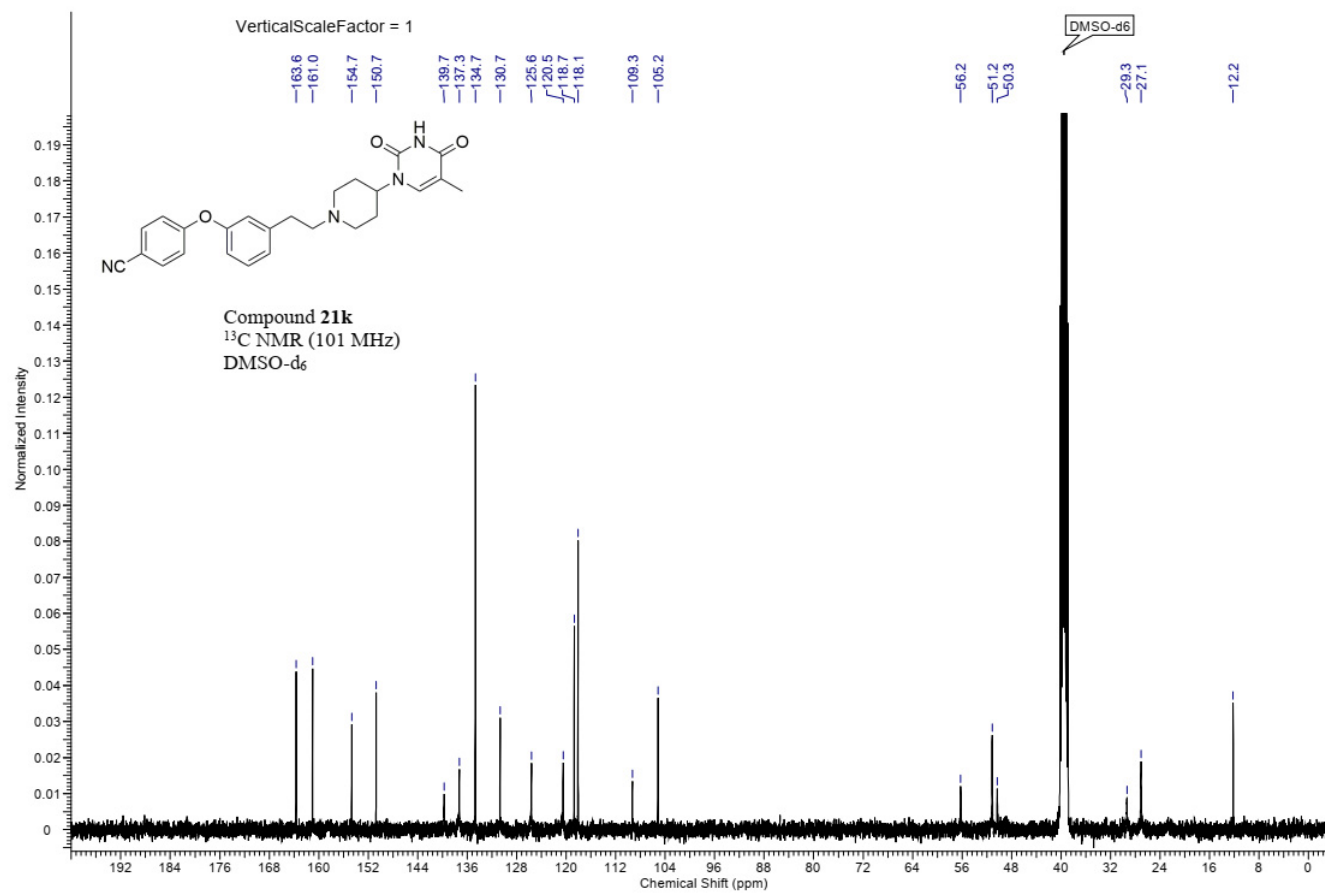


Figure S22.  $^{13}\text{C}$  NMR spectrum of compound **21k**.

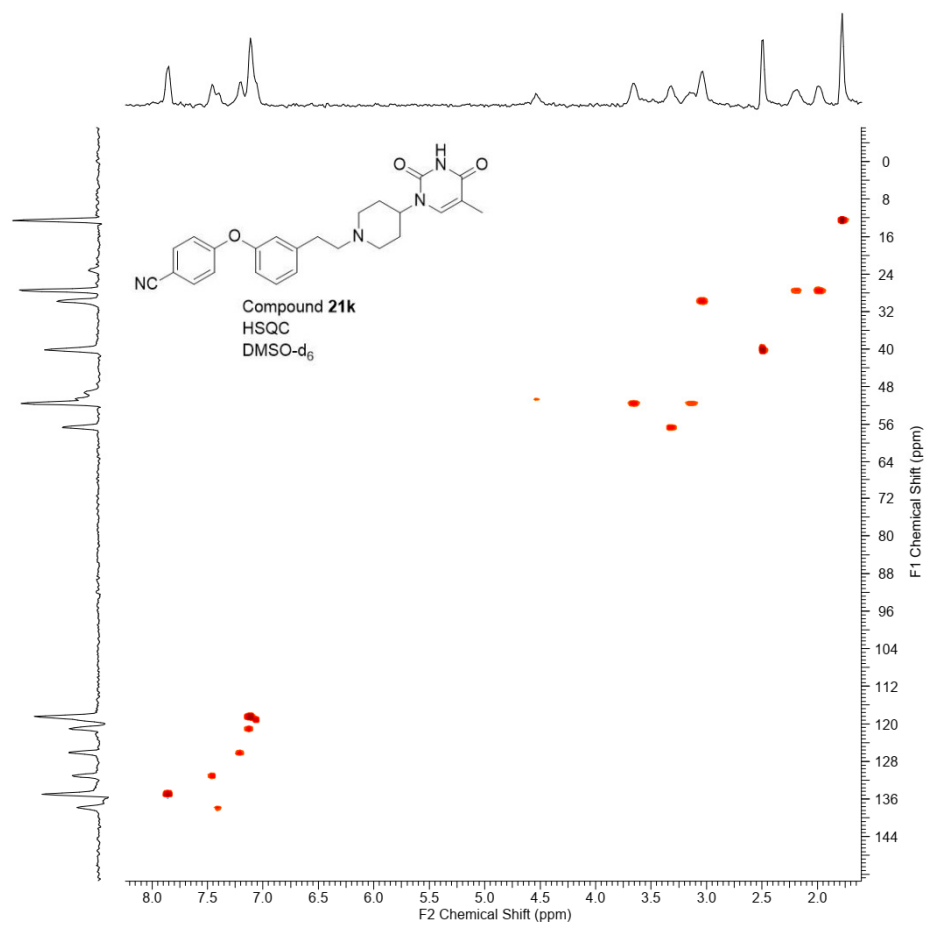


Figure S23. HSQC spectrum of compound 21k.



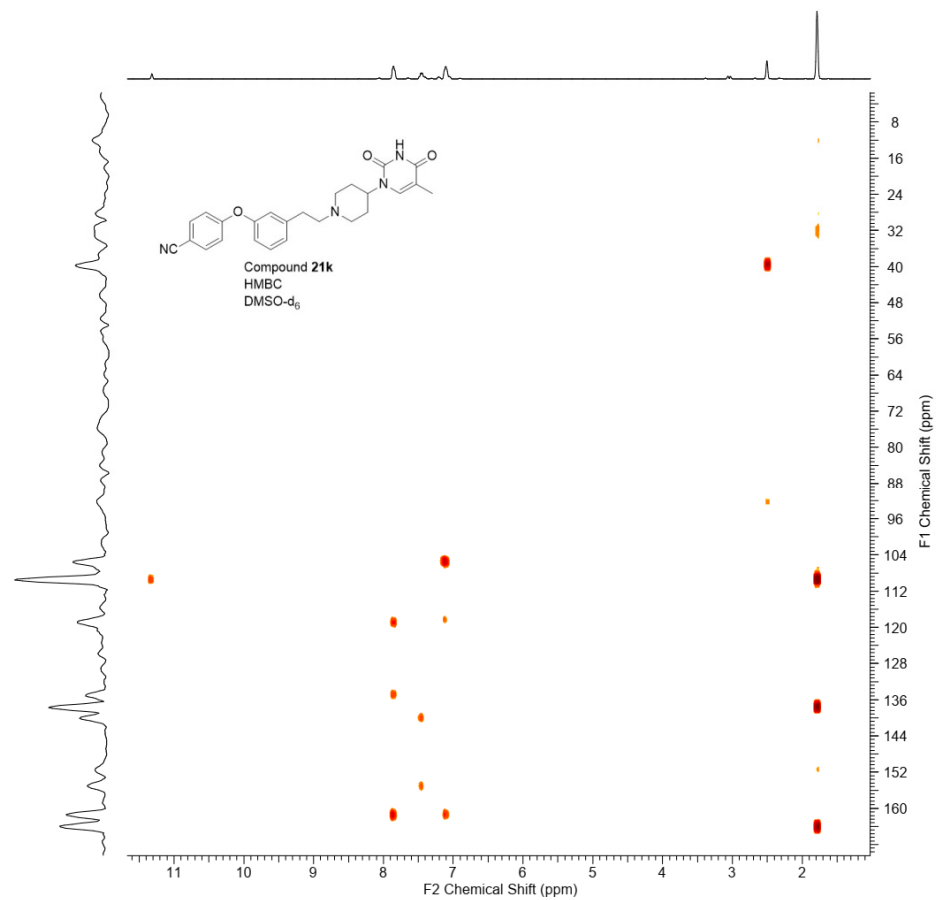
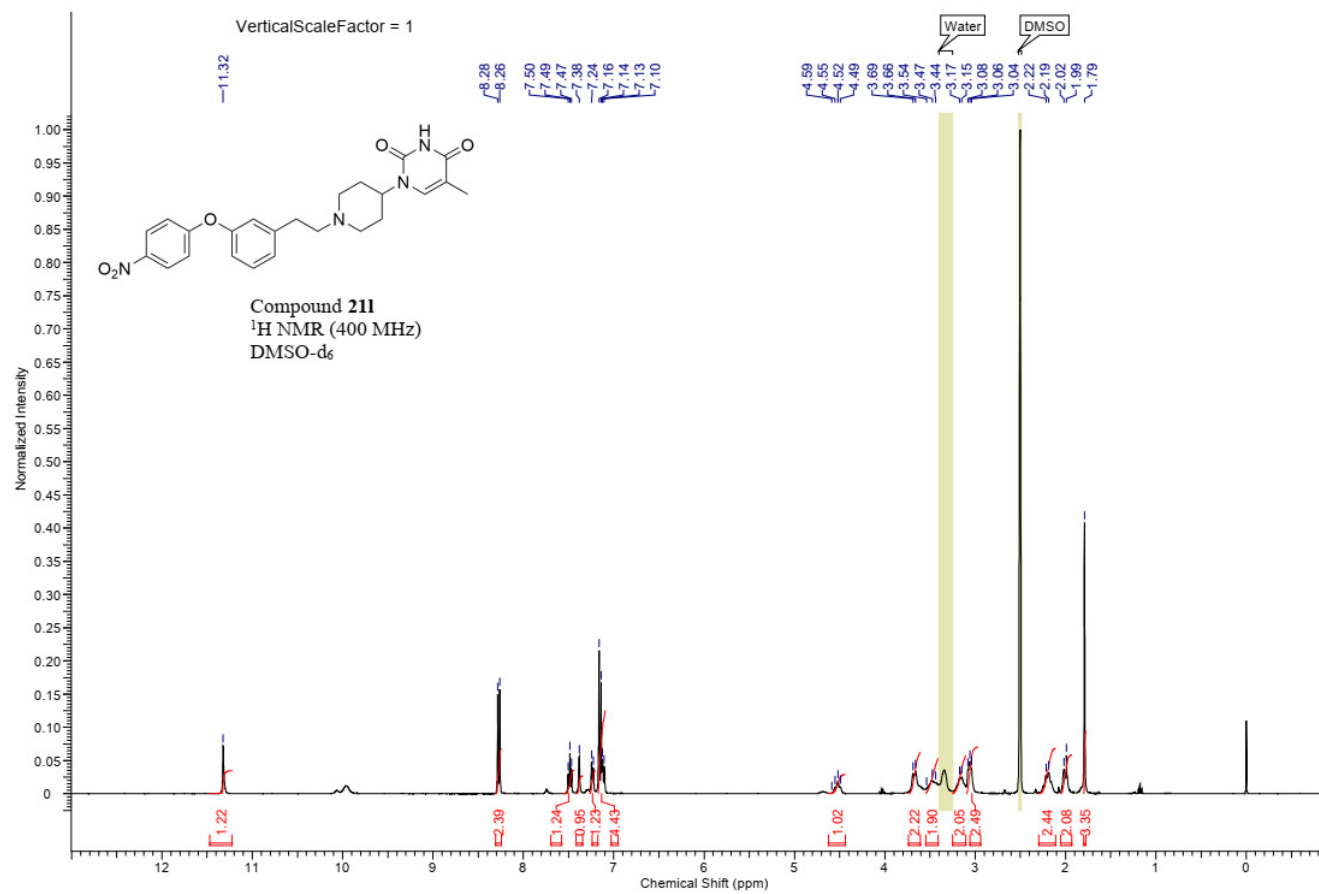


Figure S24. HMBC spectrum of compound 21k.

Figure S25. <sup>1</sup>H NMR spectrum of compound 211.

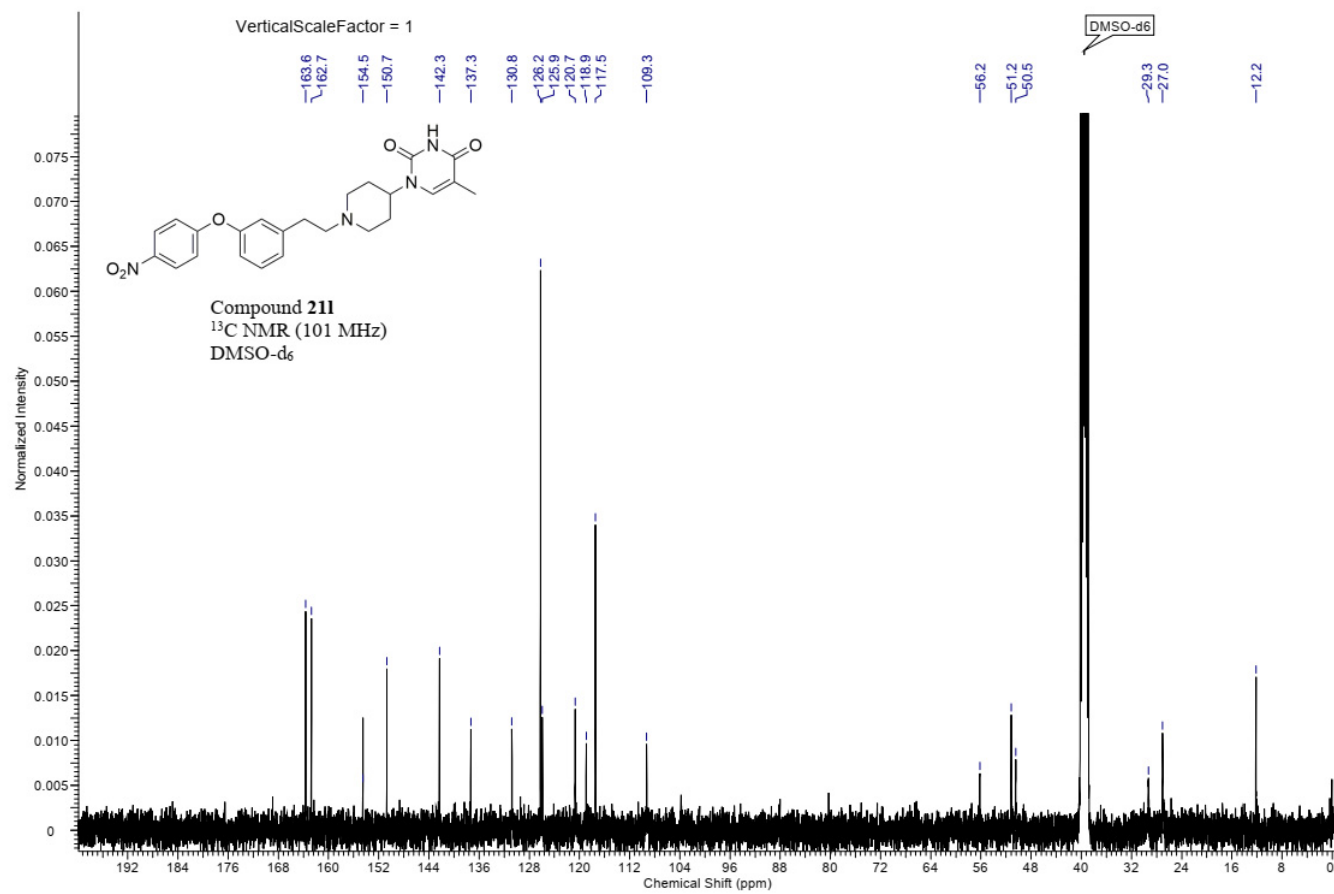
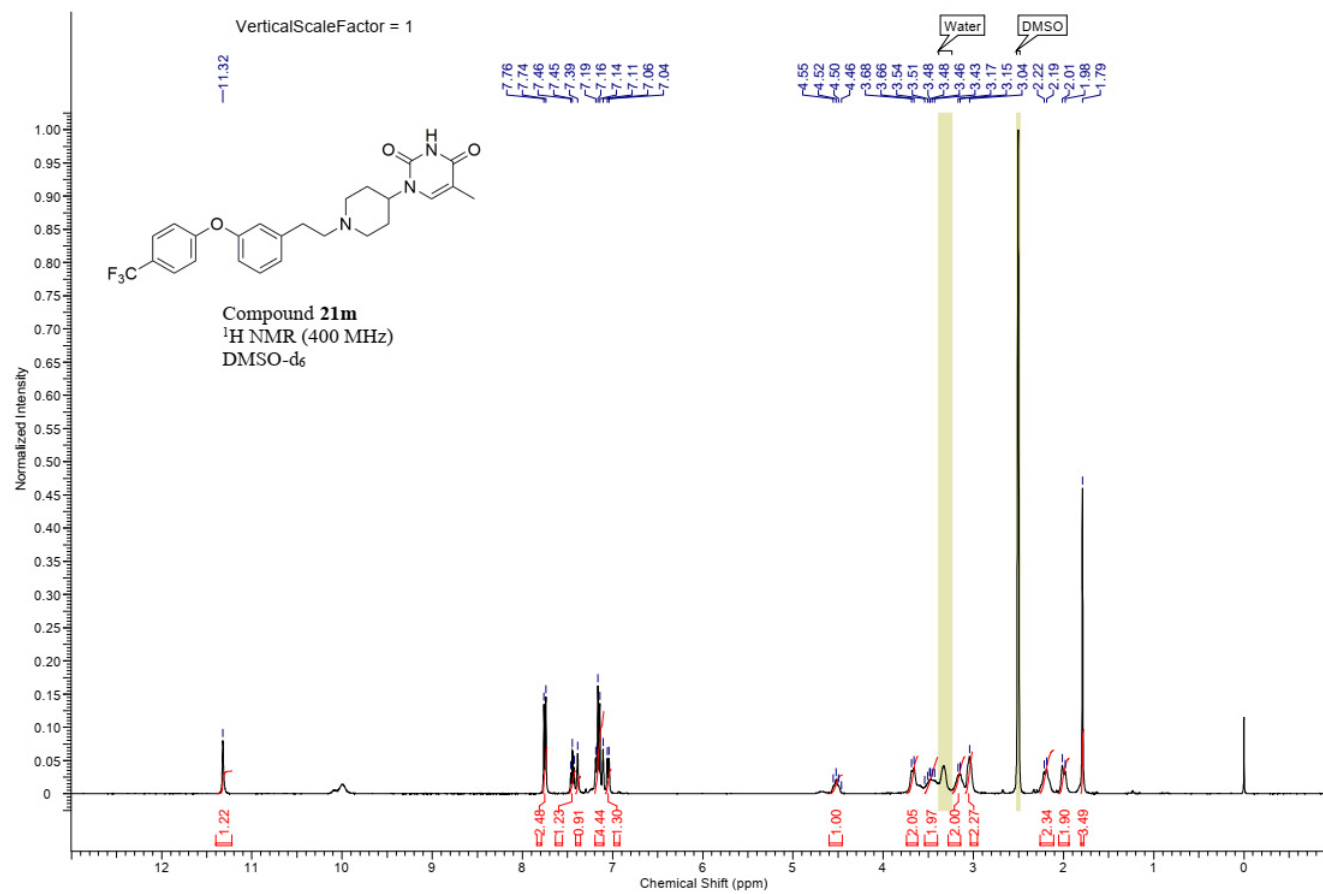


Figure S26.  $^{13}\text{C}$  NMR spectrum of compound 211.

Figure S27. <sup>1</sup>H NMR spectrum of compound **21m**.

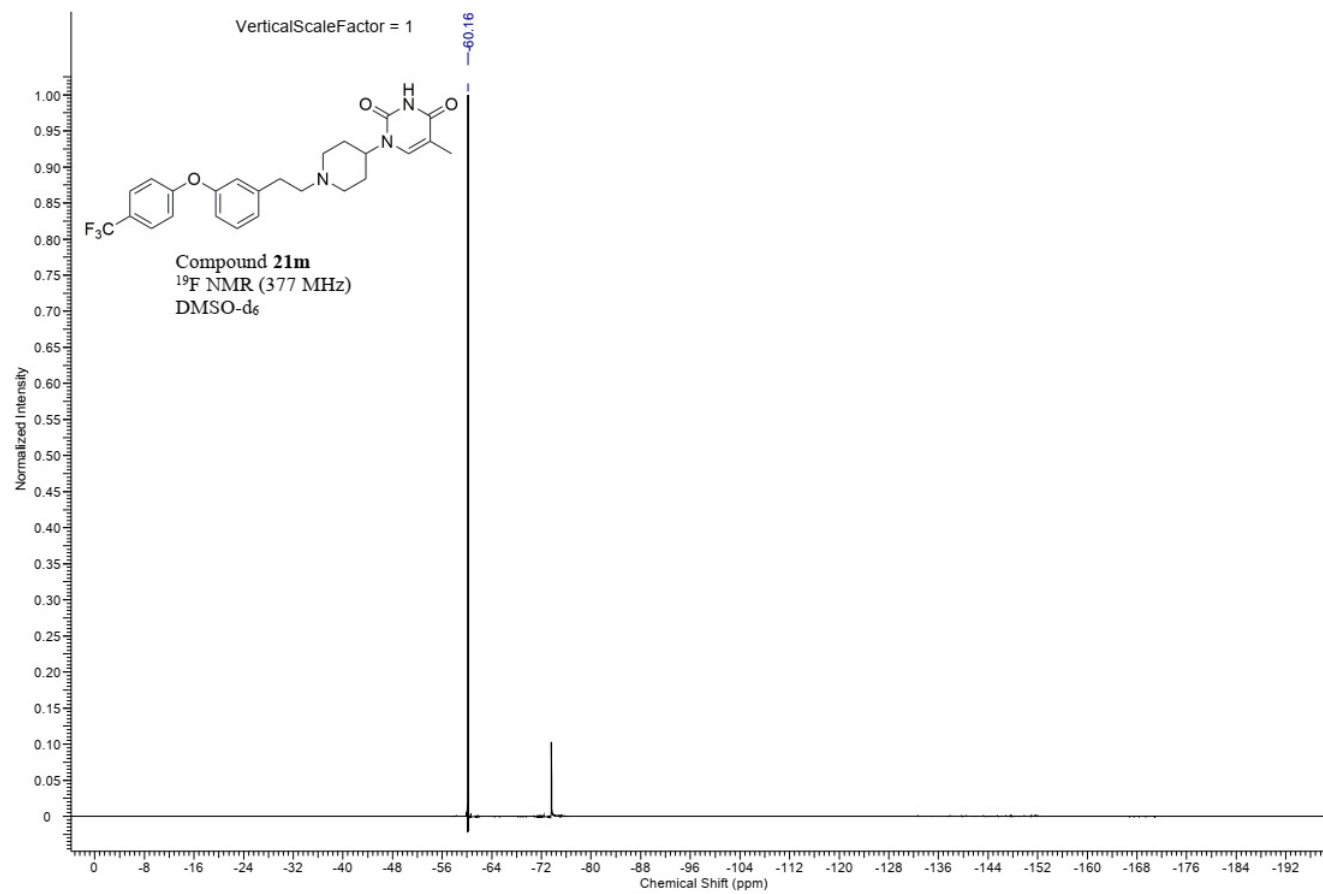
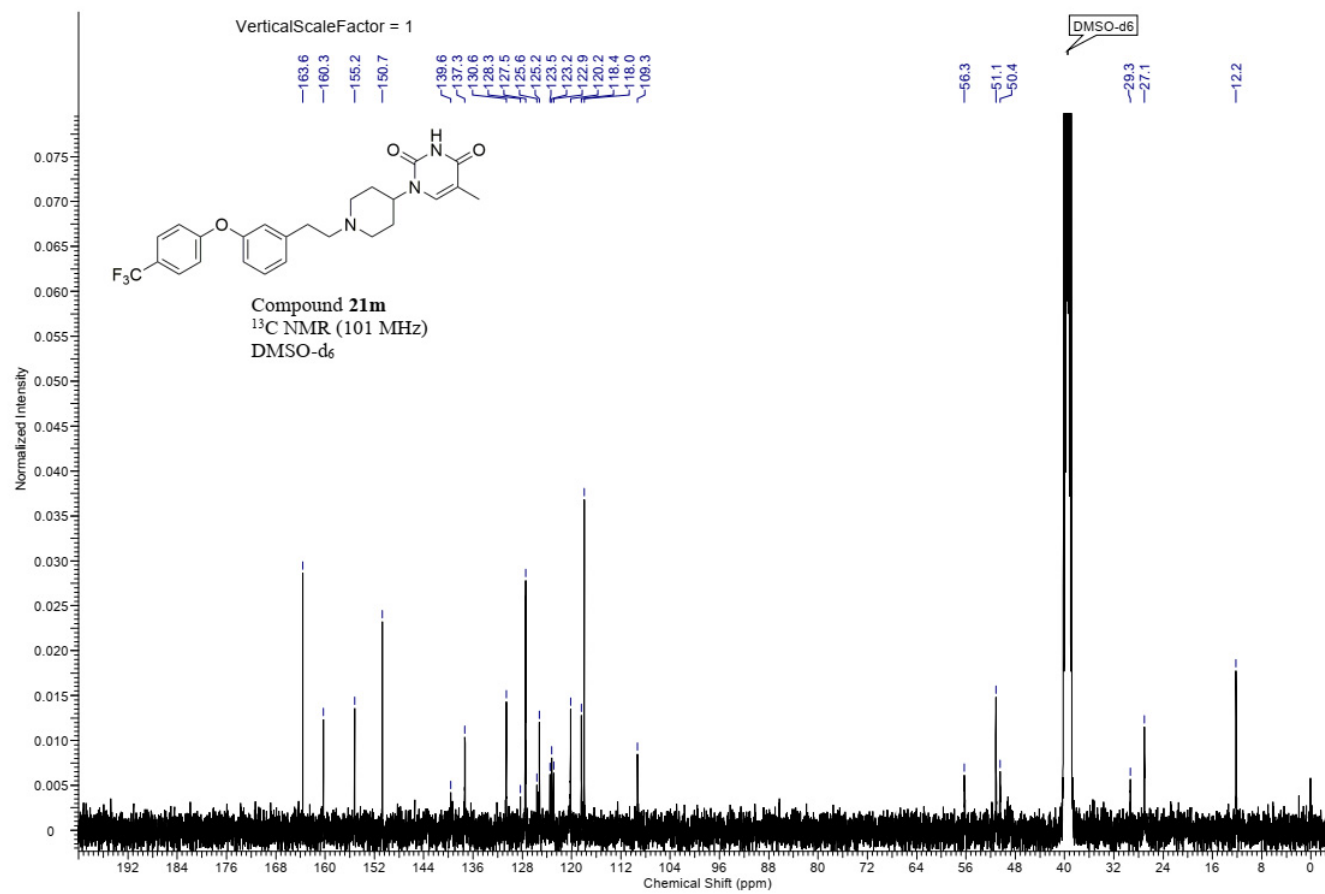
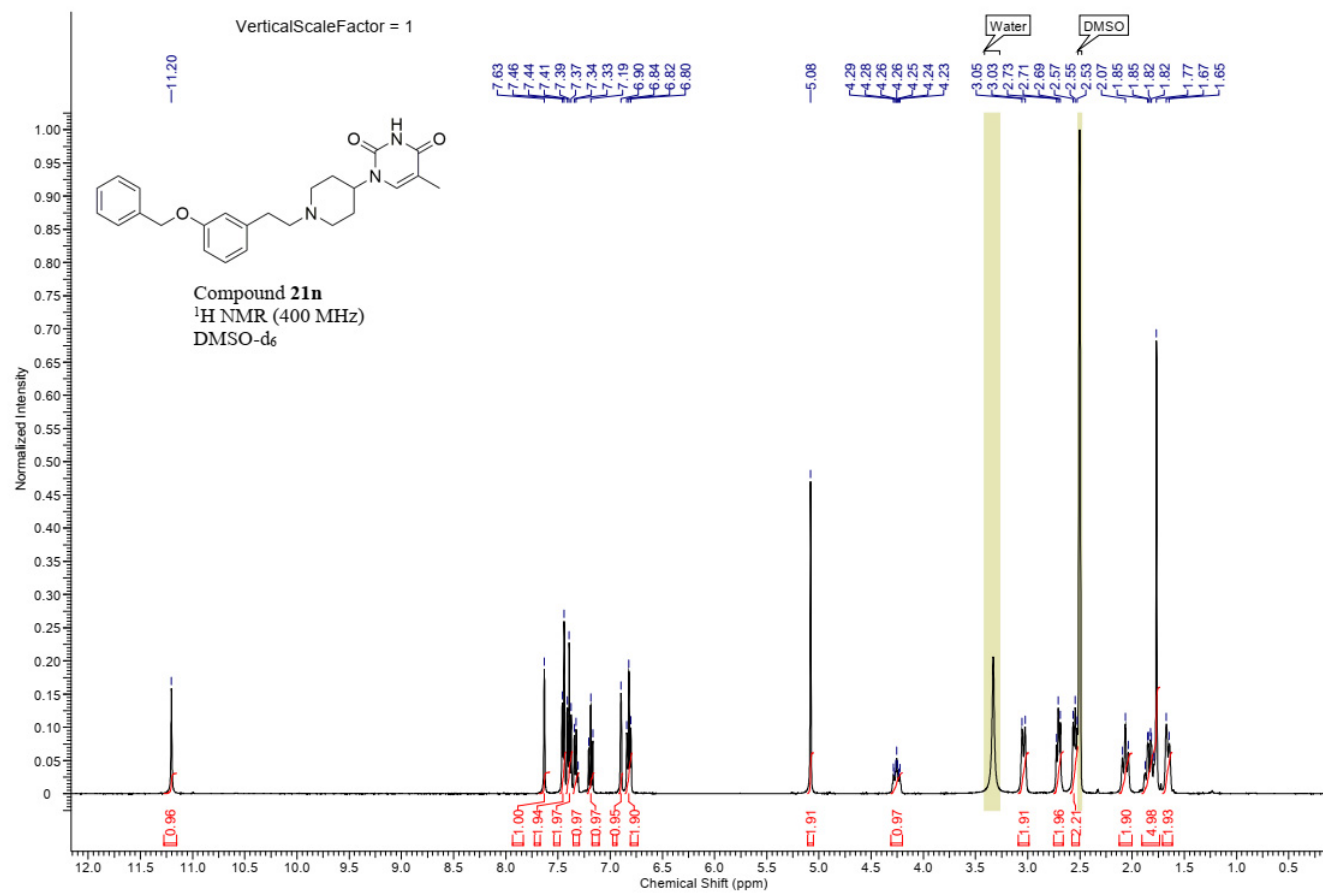


Figure S28. <sup>19</sup>F NMR spectrum of compound **21m**.

Figure S29.  $^{13}\text{C}$  NMR spectrum of compound **21m**.

Figure S30. <sup>1</sup>H NMR spectrum of compound **21n**.

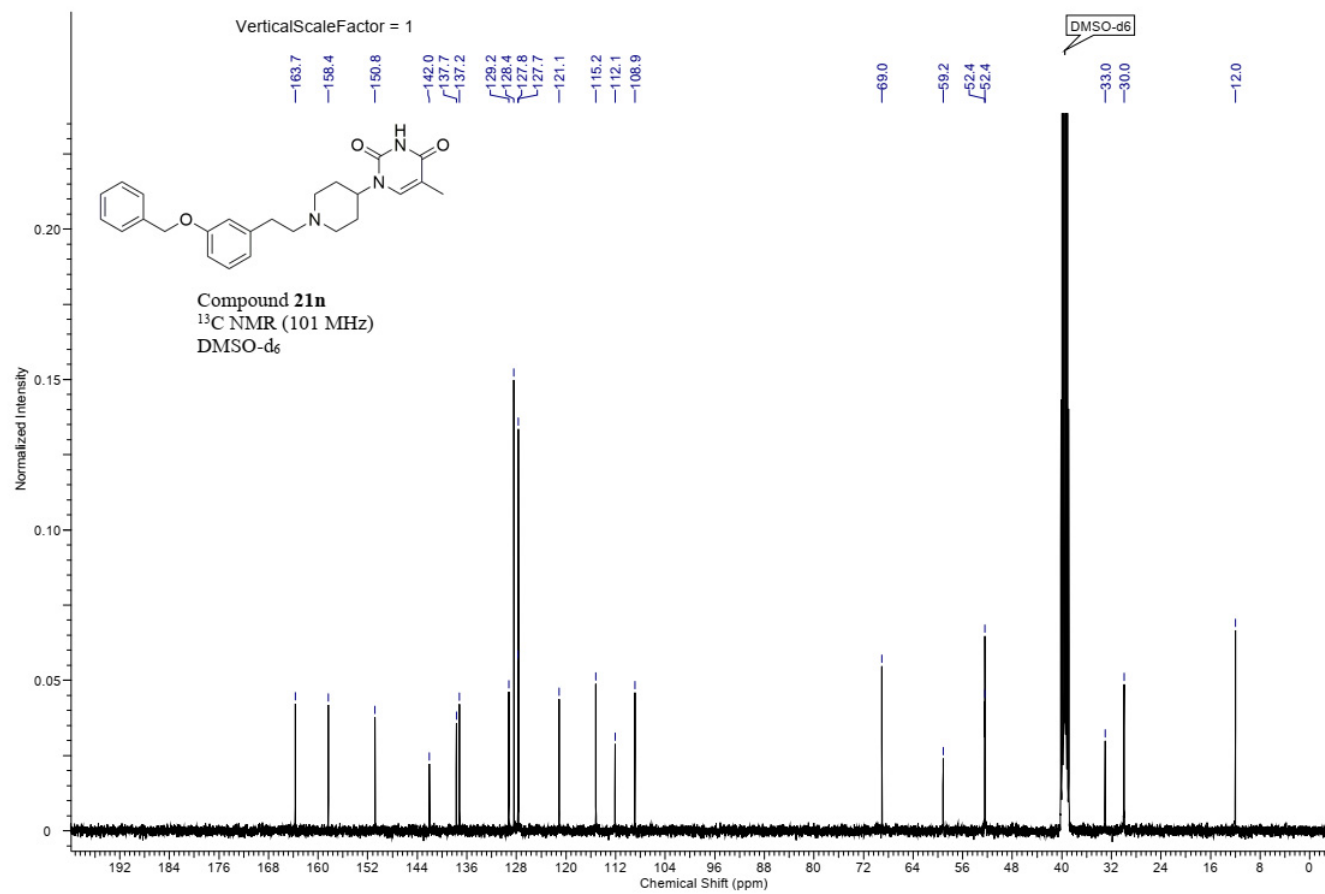
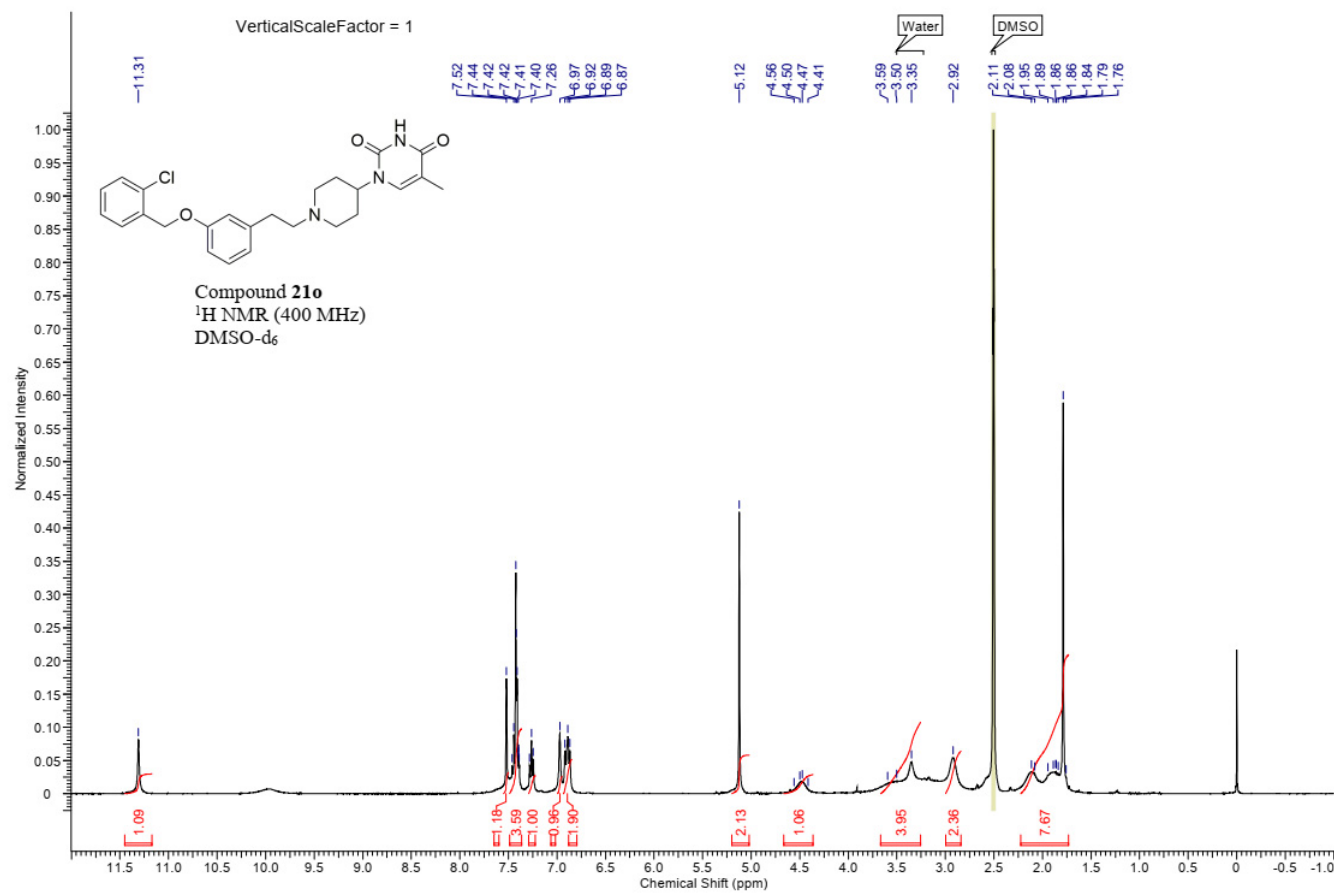


Figure S31.  $^{13}\text{C}$  NMR spectrum of compound 21n.



Figure S32. <sup>1</sup>H NMR spectrum of compound 21o.

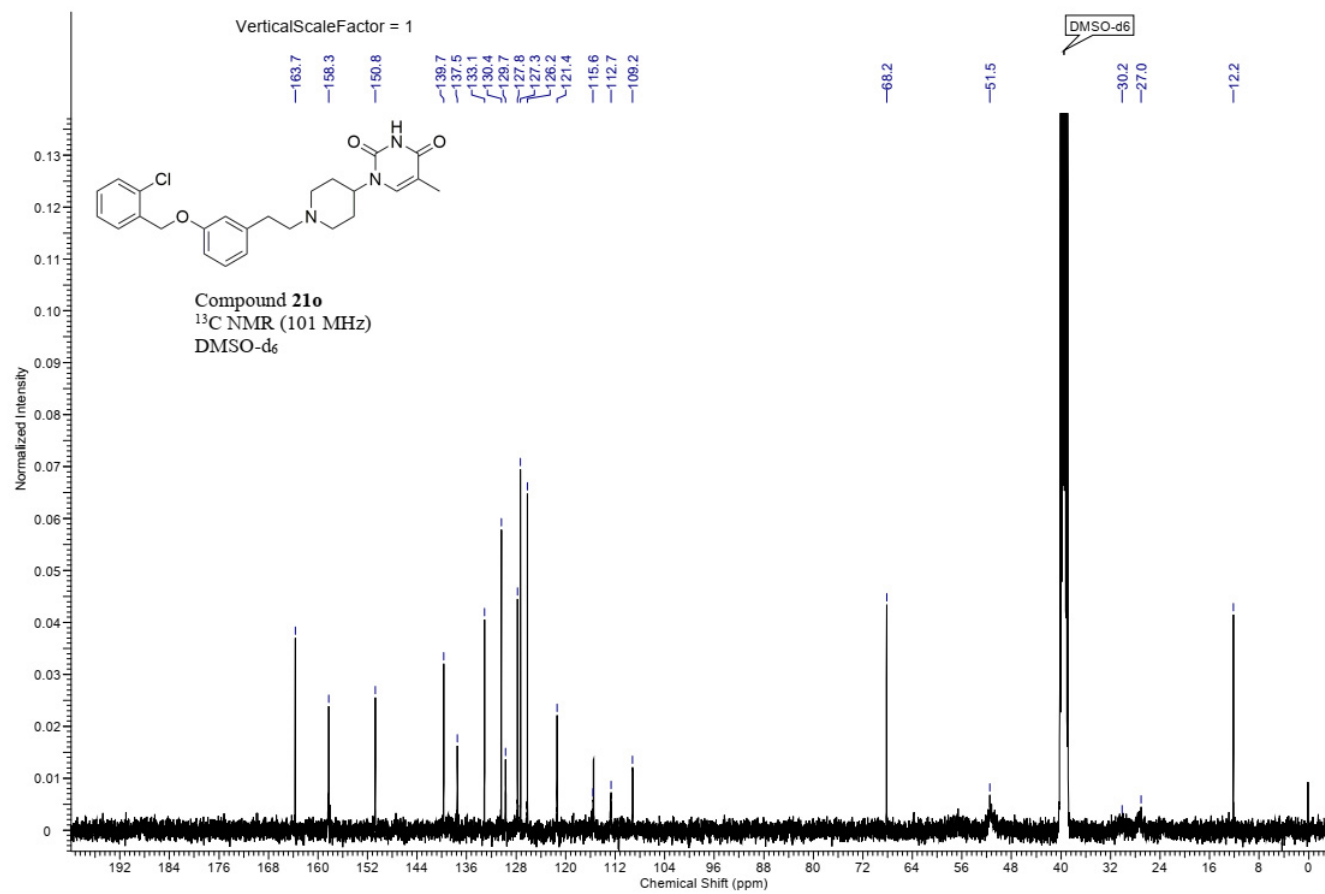
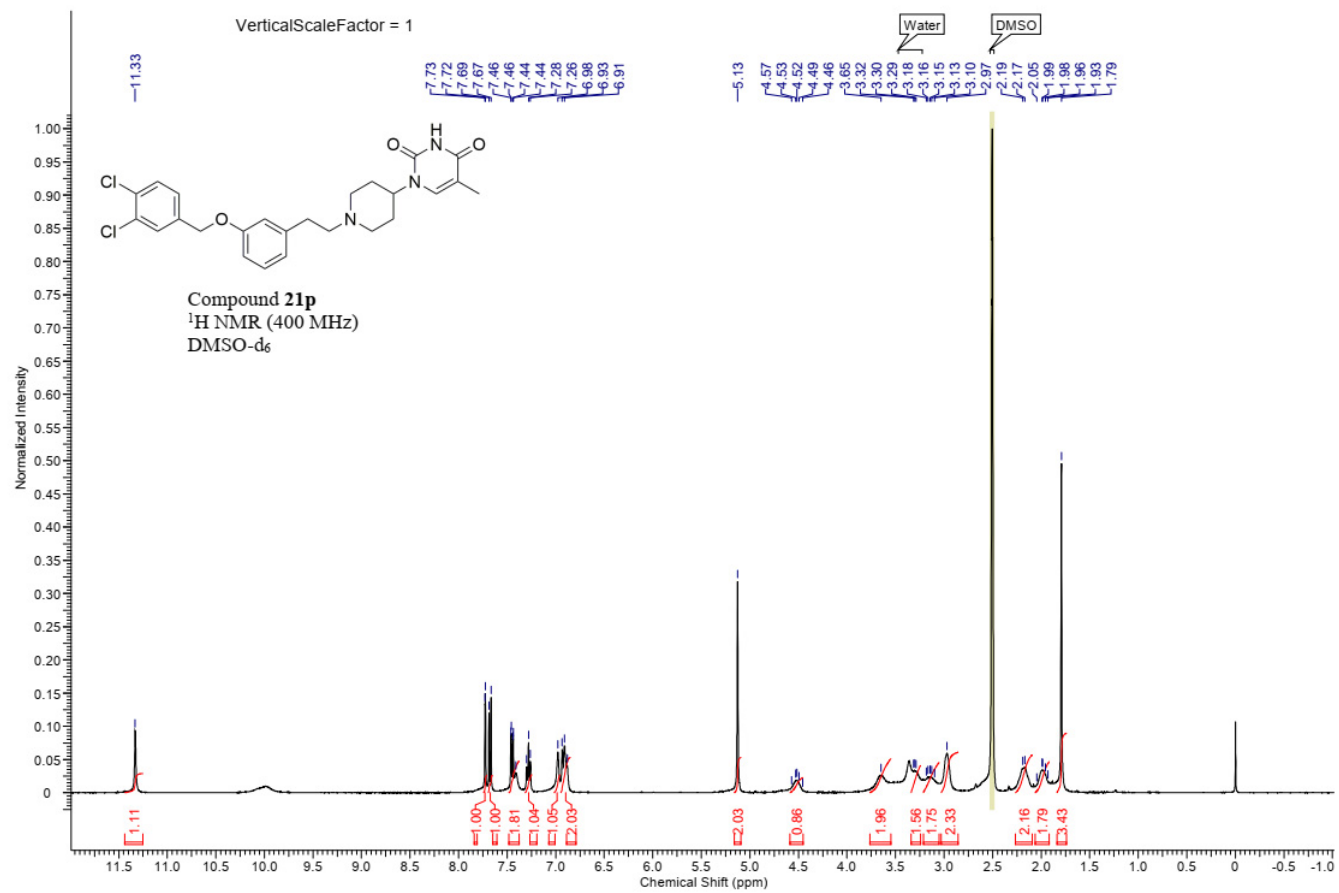
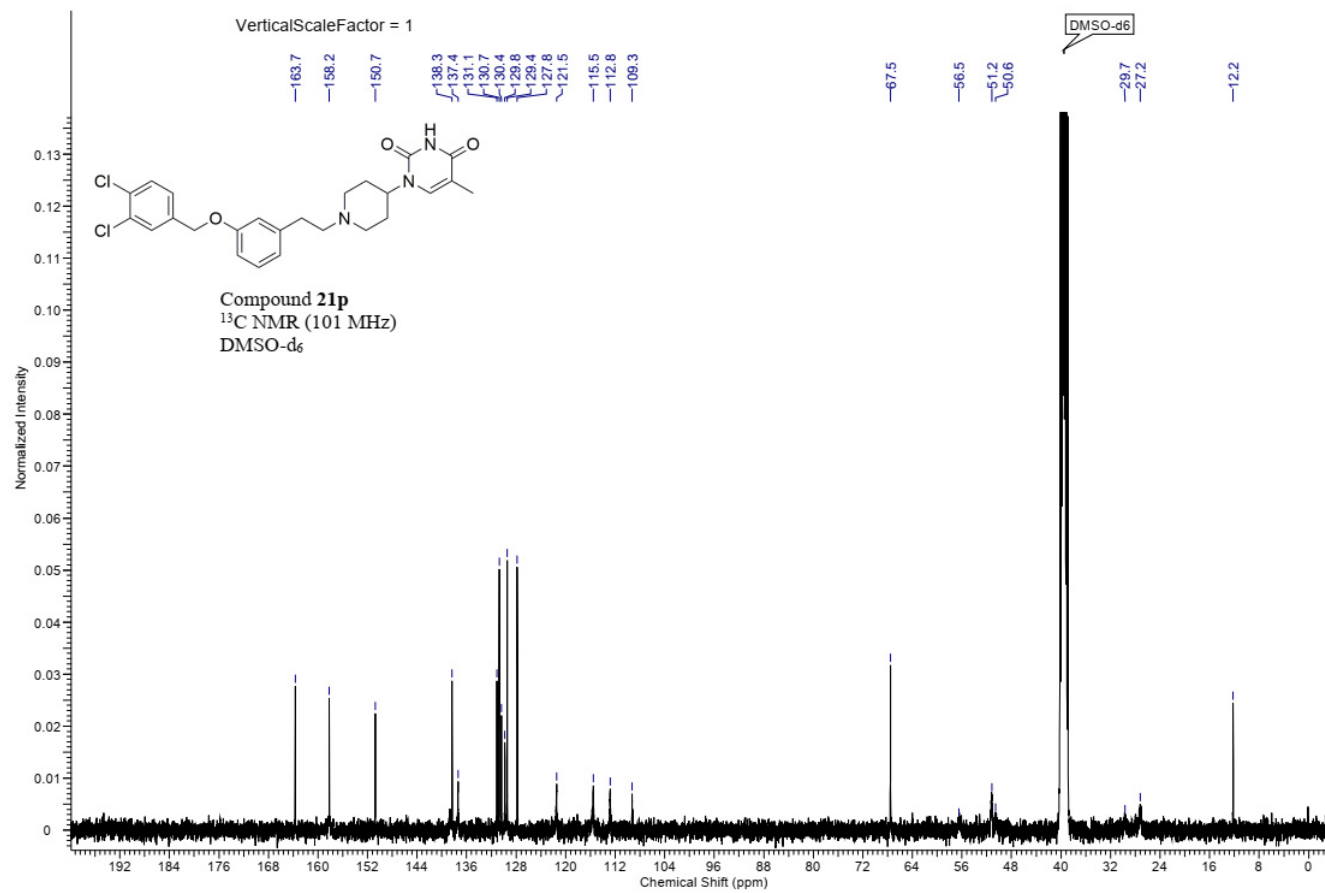
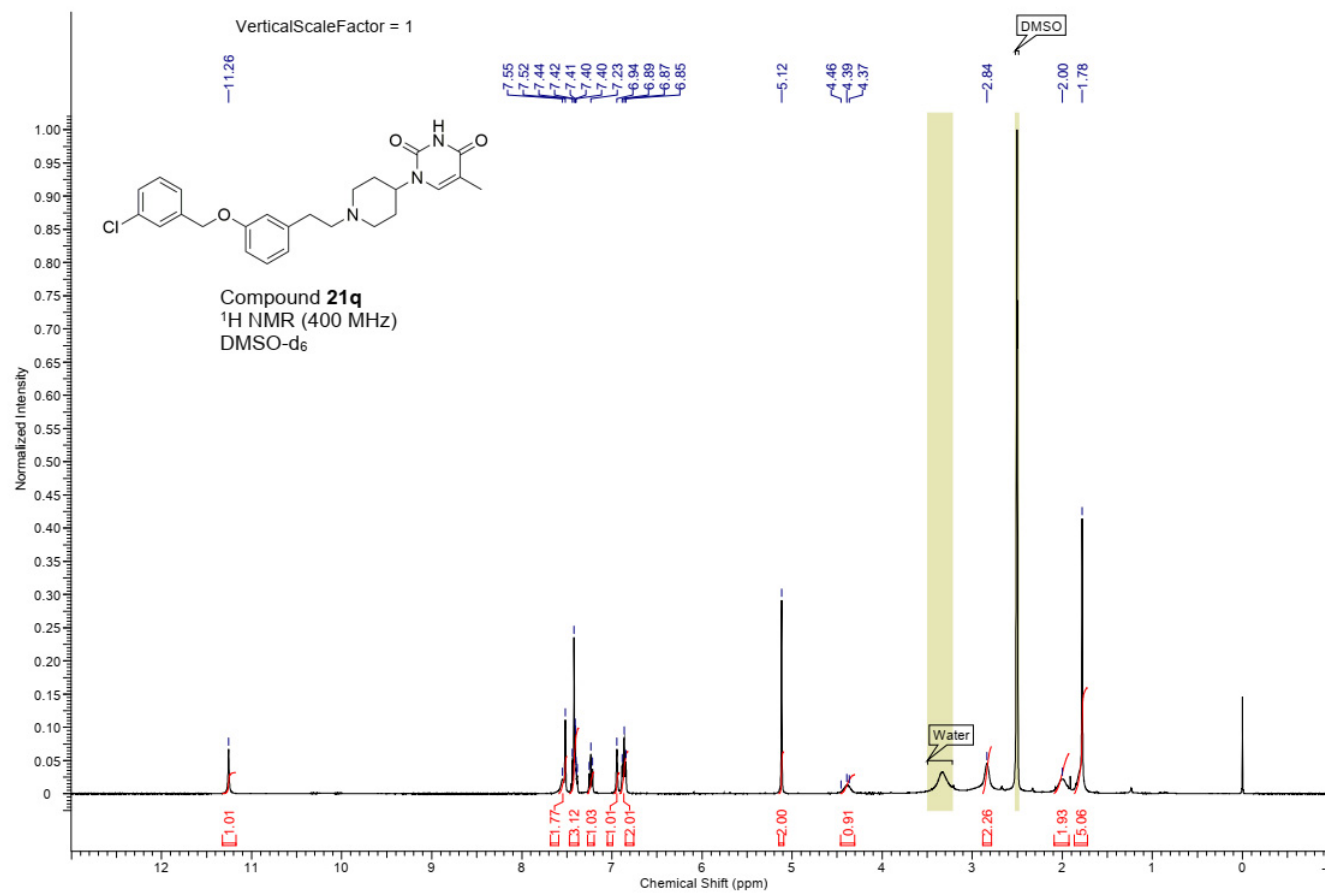
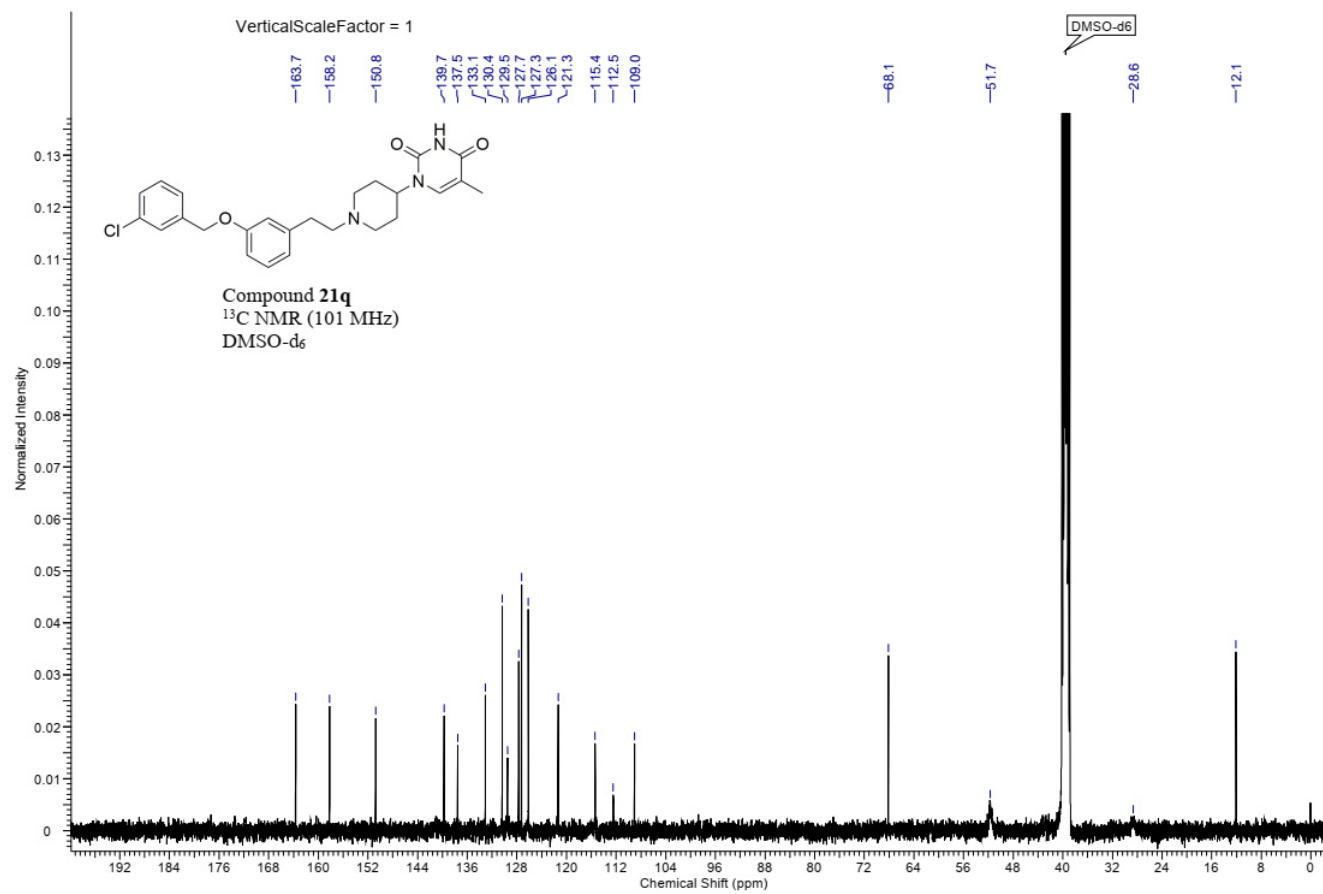


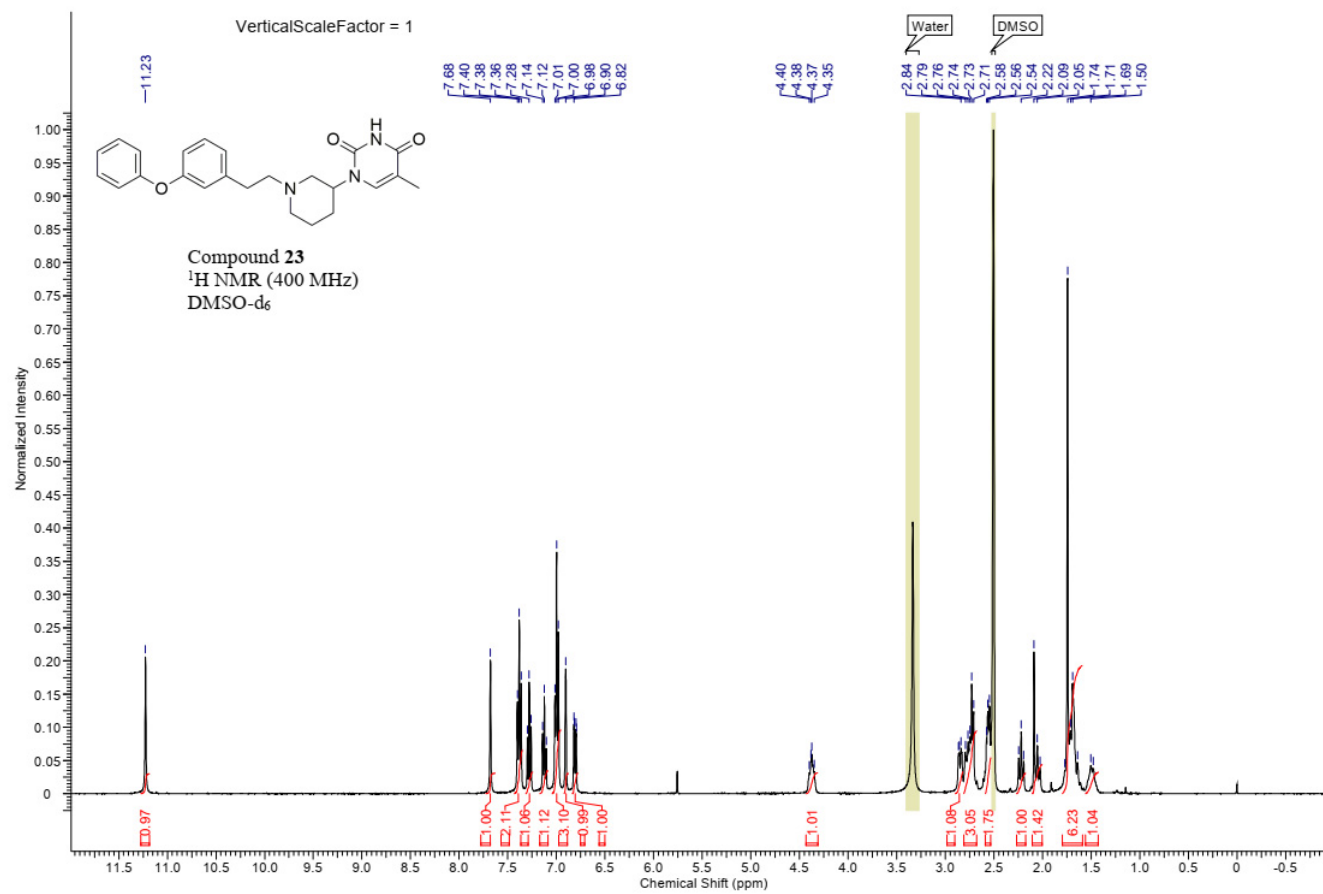
Figure S33.  $^{13}\text{C}$  NMR spectrum of compound **21o**.

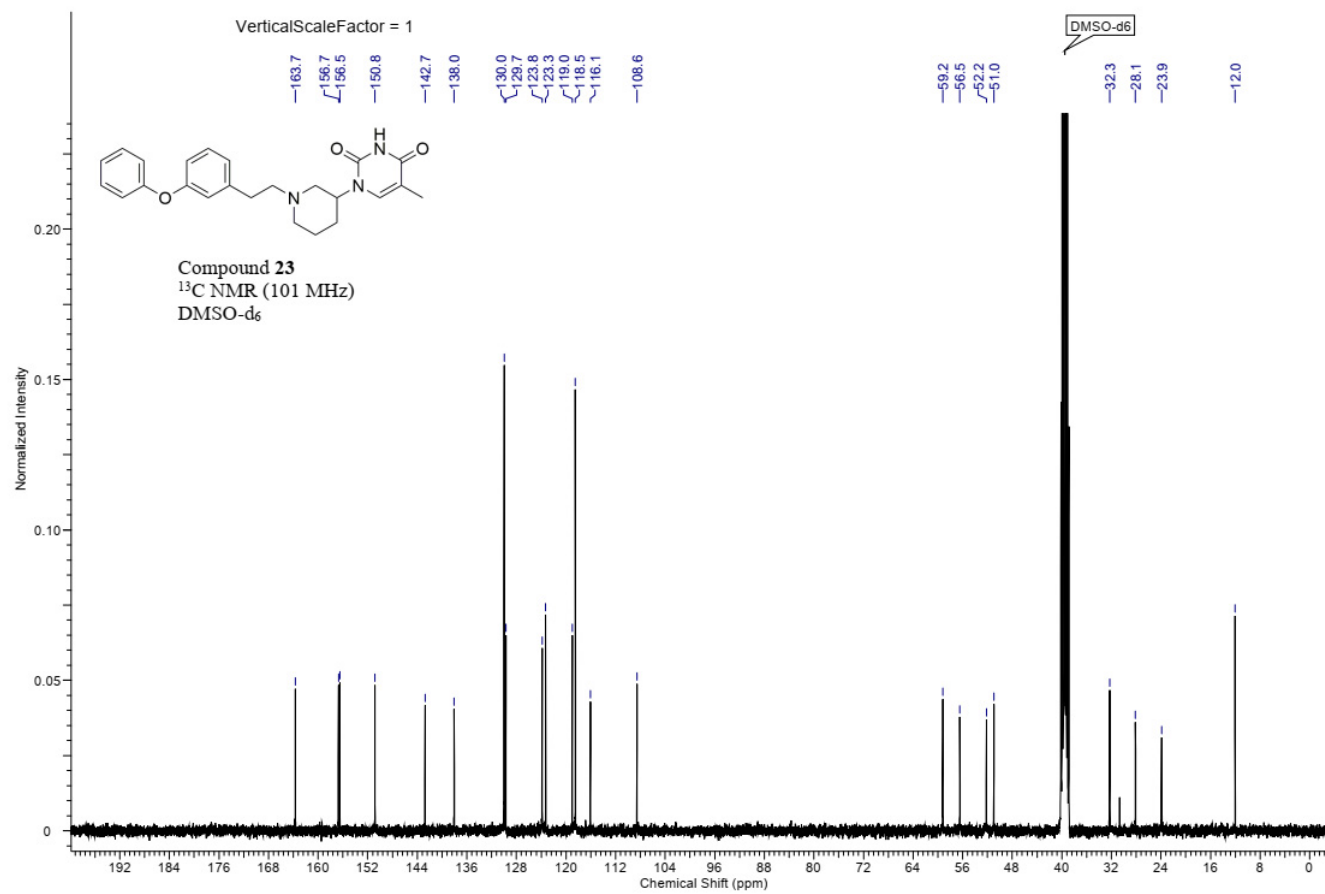
Figure S34. <sup>1</sup>H NMR spectrum of compound 21p.

Figure S35.  $^{13}\text{C}$  NMR spectrum of compound 21p.

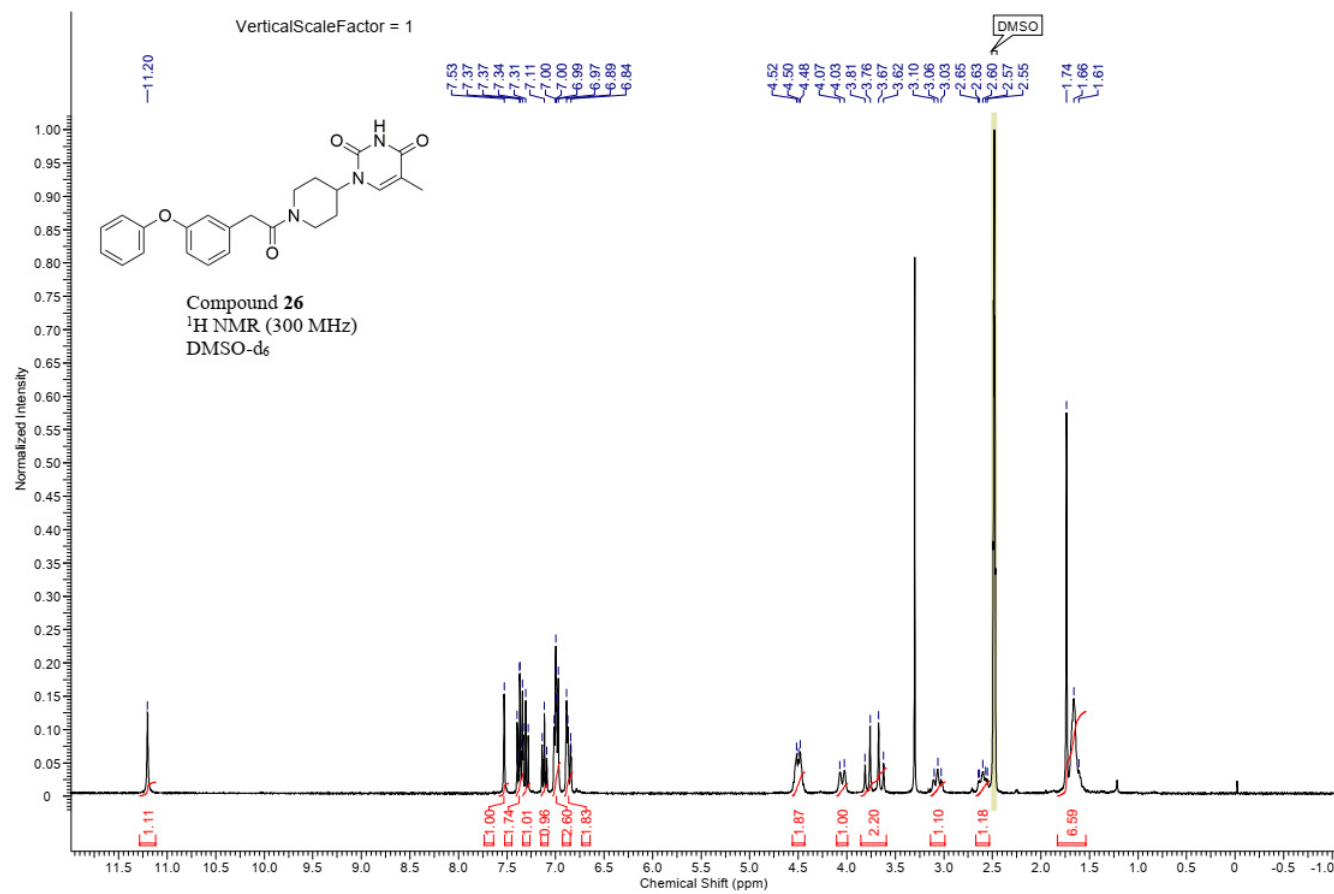
Figure S36. <sup>1</sup>H NMR spectrum of compound **21q**.

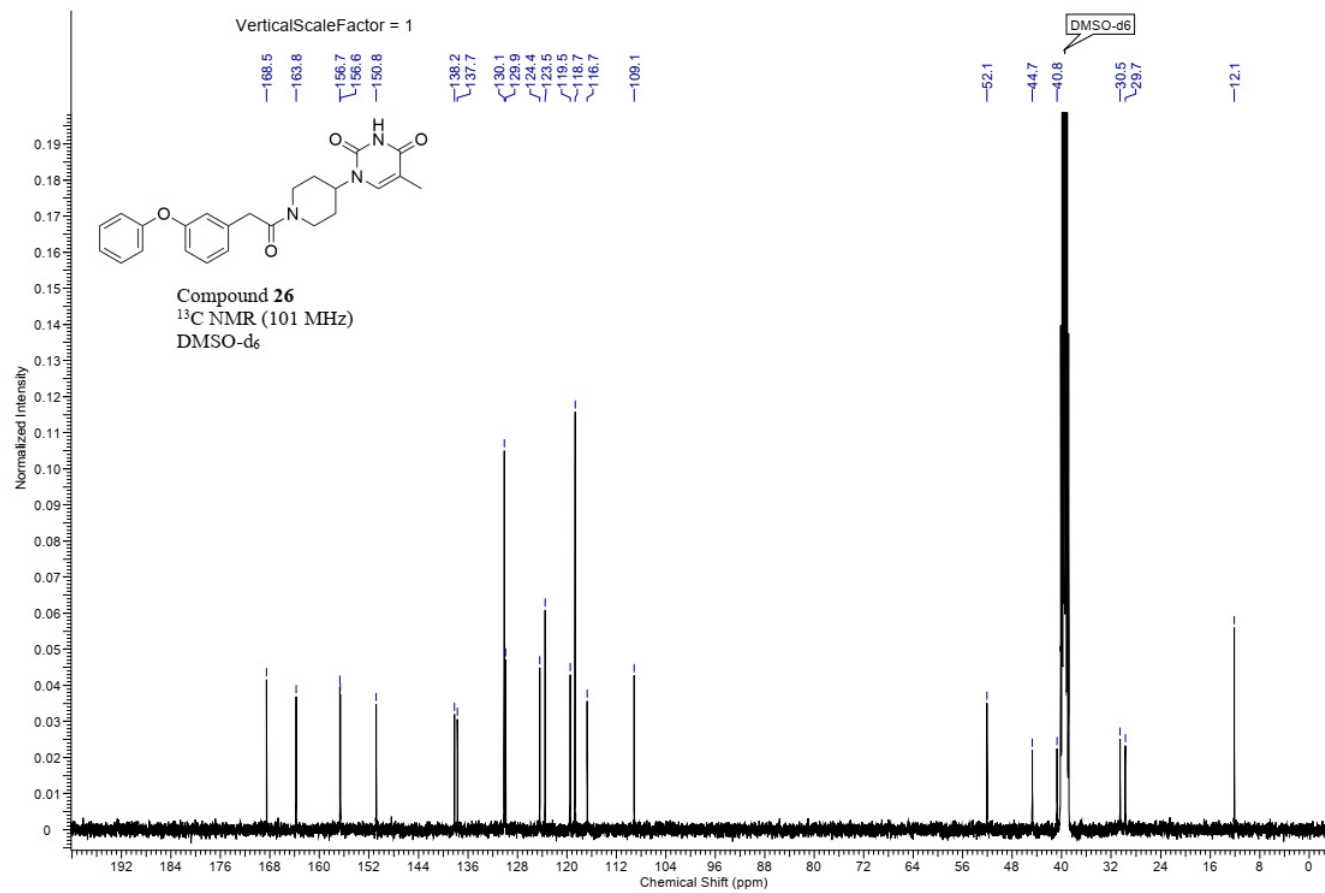
Figure S37. <sup>13</sup>C NMR spectrum of compound 21q.

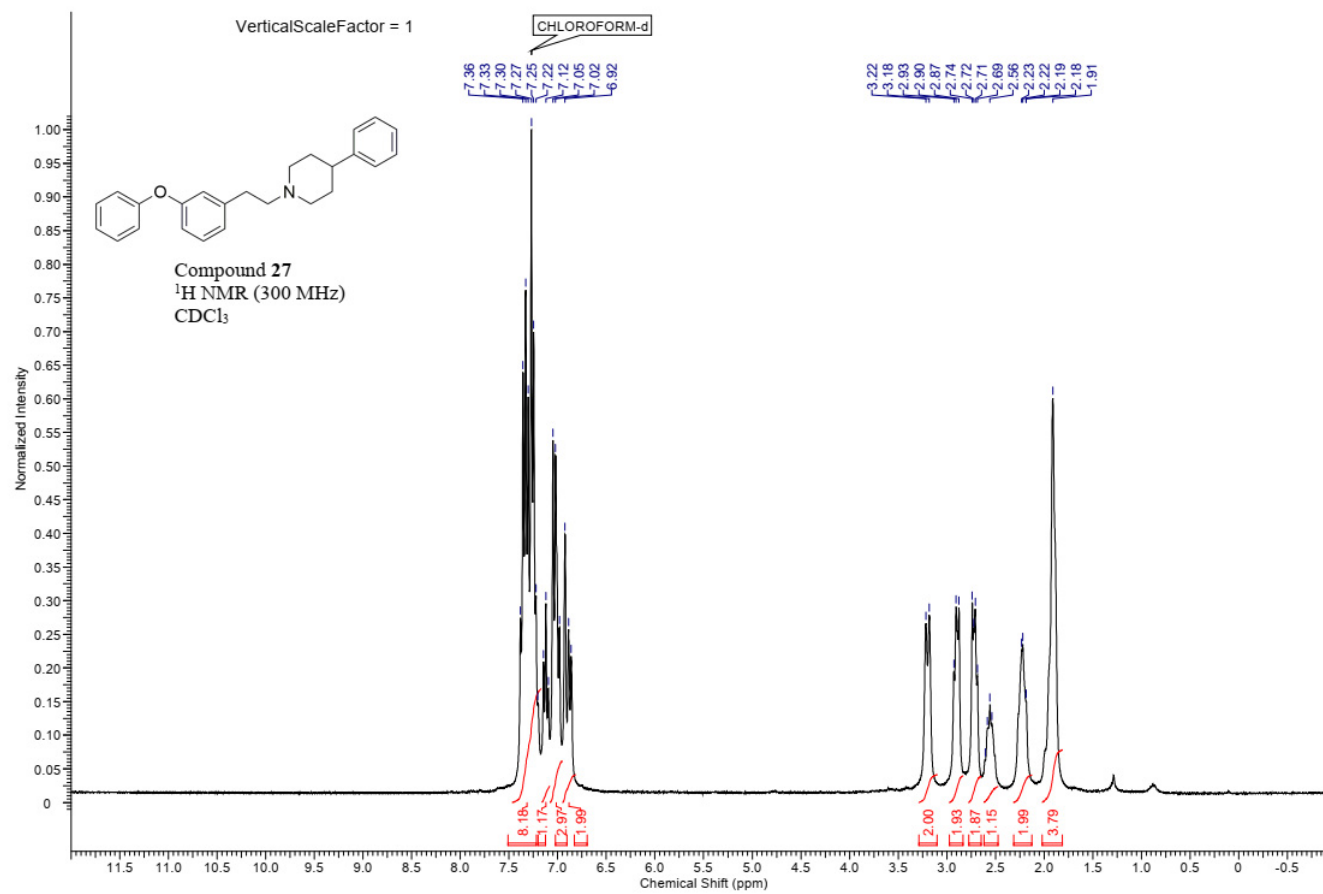
Figure S38. <sup>1</sup>H NMR spectrum of compound **23**.

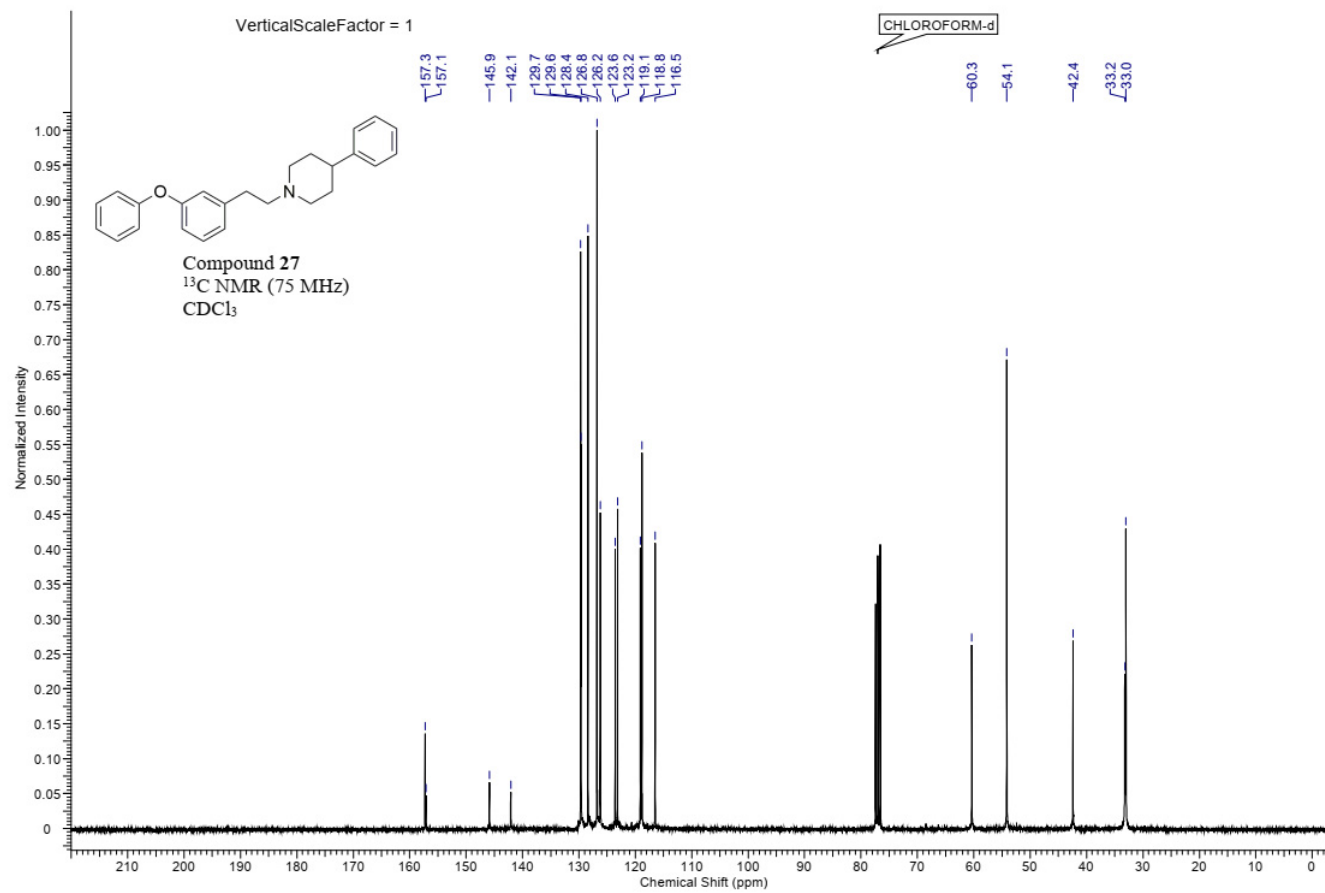
Figure S39. <sup>13</sup>C NMR spectrum of compound 23.



Figure S40. <sup>1</sup>H NMR spectrum of compound 26.

Figure S41. <sup>13</sup>C NMR spectrum of compound 26.

Figure S42. <sup>1</sup>H NMR spectrum of compound 27.

Figure S43.  $^{13}\text{C}$  NMR spectrum of compound 27.



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