Supplementary Information for Synthesis of New Planar-Chiral Linked [2.2]paracyclophanes-N-([2.2]-paracyclophanylcarbamoyl)-4-([2.2]paracyclophanylcarboxamide, [2.2]paracyclophanyl-Substituted Triazolthiones and -Substituted Oxadiazoles

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SI Figure 1. <sup>1</sup>H NMR of compound (*rac*)-1



SI Figure 2. <sup>13</sup>C NMR of compound (*rac*)-1



SI Figure 3. <sup>1</sup>H NMR of *diastreomer-3* 



SI Figure 4. <sup>13</sup>C NMR of diastreomer-3



SI Figure 5. <sup>1</sup>H NMR spectrum of compound (*Sp-Sp*)-3



SI Figure 6. <sup>13</sup>C NMR spectrum of compound (*Sp-Sp*)-3



SI Figure 7. <sup>1</sup>H NMR of compound 12a



SI Figure 8. <sup>13</sup>C NMR of compound 12a



Figure 9. <sup>1</sup>H NMR of compound 12b







SI Figure 11. Mass spectrum of compound 12b



SI Figure 12. <sup>1</sup>H NMR spectrum of compound 12c



SI Figure 13. <sup>13</sup>C NMR spectrum of compound 12c



SI Figure 14. Mass spectrum of compound 12c



SI Figure 15. <sup>1</sup>H NMR spectrum of compound 12d





SI Figure 16. <sup>13</sup>C NMR spectrum of compound 12d

SI Figure 17. Mass spectrum of compound 12d



SI Figure 18. <sup>1</sup>H NMR spectrum of compound 12e



SI Figure 19. <sup>13</sup>C NMR spectrum of compound 12e



SI Figure 20. Mass spectrum of compound 12e



SI Figure 21. <sup>1</sup>H NMR spectrum of compound 12f



SI Figure 22. <sup>13</sup>C NMR spectrum of compound 12f



SI Figure 23. <sup>1</sup>H NMR spectrum of compound 13a



SI Figure 24. <sup>13</sup>C NMR spectrum of compound 13a



SI Figure 25. <sup>1</sup>H NMR spectrum of compound 13b



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



SI Figure 27. <sup>1</sup>H NMR spectrum of compound 13c



SI Figure 28. <sup>13</sup>C NMR spectrum of compound 13c



SI Figure 29. <sup>1</sup>H NMR spectrum of compound 13d



SI Figure 30. <sup>13</sup>C NMR spectrum of compound 13d



SI Figure 31. <sup>1</sup>H NMR spectrum of compound 13e



SI Figure 32. <sup>13</sup>C NMR spectrum of compound 13e