Supplementary Information

Studies Toward the Synthesis of Caramboxin Analogues

Ronaldo E. Oliveira Filho, Vanessa M. Higa and Álvaro T. Omori

*Centro de Ciências Naturais e Humanas, Universidade Federal do ABC, 09210-580 Santo André-SP, Brazil

e-mail: alvaro.omori@ufabc.edu.br
Figure S1. $^1$H NMR spectrum (300 MHz, CDCl$_3$) of compound 5.
Figure S2. $^1$H NMR spectrum (300 MHz, CDCl$_3$) of compound 7.
Figure S3. $^{13}$C NMR spectrum (75 MHz, CDCl$_3$) of compound 7.
Figure S4. $^1$H NMR spectrum (300 MHz, CDCl$_3$) of compound 9.
Figure S5. $^{13}$C NMR spectrum (75 MHz, CDCl$_3$) of compound 9.
Figure S6. $^1$H NMR spectrum (300 MHz, CDCl$_3$) of compound 10.
Figure S7. $^{13}$C NMR spectrum (126 MHz, CDCl$_3$) of compound 10.
Figure S8. $^1$H NMR spectrum (500 MHz, CDCl$_3$) of compound 12.
Figure S9. $^{13}$C NMR spectrum (126 MHz, CDCl$_3$) of compound 12.
Figure S10. $^1$H NMR spectrum (500 MHz, CDCl$_3$) of compound 15.
Figure S11. $^{13}$C NMR spectrum (126 MHz, CDCl$_3$) of compound 15.
Figure S12. $^1$H NMR spectrum (500 MHz, CDCl$_3$) of compound 16.
Figure S13. $^{13}$C NMR spectrum (126 MHz, CDCl$_3$) of compound 16.
Figure S14. $^1$H NMR spectrum (500 MHz, CDCl$_3$) of compound 19.
Figure S15. $^{13}$C NMR spectrum (126 MHz, CDCl$_3$) of compound 19.
Figure S16. $^1$H NMR spectrum (500 MHz, DMSO-$d_6$) of compound 22.
Figure S17. $^{13}$C NMR spectrum (126 MHz, DMSO-$d_6$) of compound 22.
Figure S18. HMBC NMR spectrum (500 MHz, DMSO-$d_6$) of compound 22.
Figure S19. $^1$H NMR spectrum (500 MHz, CDCl$_3$) of compound 23.
Figure S20. $^{13}$C NMR spectrum (126 MHz, CDCl$_3$) of compound 23.
Figure S21. $^1$H NMR spectrum (500 MHz, CDCl$_3$) of compound 24.
Figure S22. $^{13}$C NMR spectrum (126 MHz, CDCl$_3$) of compound 24.
Figure S23. $^1$H NMR spectrum (500 MHz, CDCl$_3$) of compound 27.
Figure S24. $^1$H NMR spectrum (500 MHz, CDCl$_3$) of compound 29.
Figure S25. $^1$H NMR spectrum (500 MHz, DMSO-$d_6$) of compound 30.
Figure S26. $^1$H NMR spectrum (500 MHz, CDCl$_3$) of compound 31.
Figure S27. $^{13}$C NMR spectrum (126 MHz, CDCl₃) of compound 31.
Figure S28. $^1$H NMR spectrum (500 MHz, CDCl$_3$) of compound 32.
Figure S29. \(^{13}\)C NMR spectrum (126 MHz, CDCl\(_3\)) of compound 32.
Figure S30. $^1$H NMR spectrum (500 MHz, DMSO-$d_6$) of compound 33.
Figure S31. $^{13}$C NMR spectrum (126 MHz, DMSO-$d_6$) of compound 33.
Figure S32. $^1$H NMR spectrum (500 MHz, DMSO-$d_6$) of compound 34.
Figure S33. $^{13}$C NMR spectrum (126 MHz, DMSO-$d_6$) of compound 34.
Figure S34. $^1$H NMR spectrum (500 MHz, DMSO-$d_6$) of compound 35.
Figure S35. $^{13}$C NMR spectrum (126 MHz, DMSO-$d_6$) of compound 35.