

Supplementary Material: Obtention of a sensitive acylated pyrogallol[4]arene-based sensor for detection of carnitine: An spectroscopic and DRX Study

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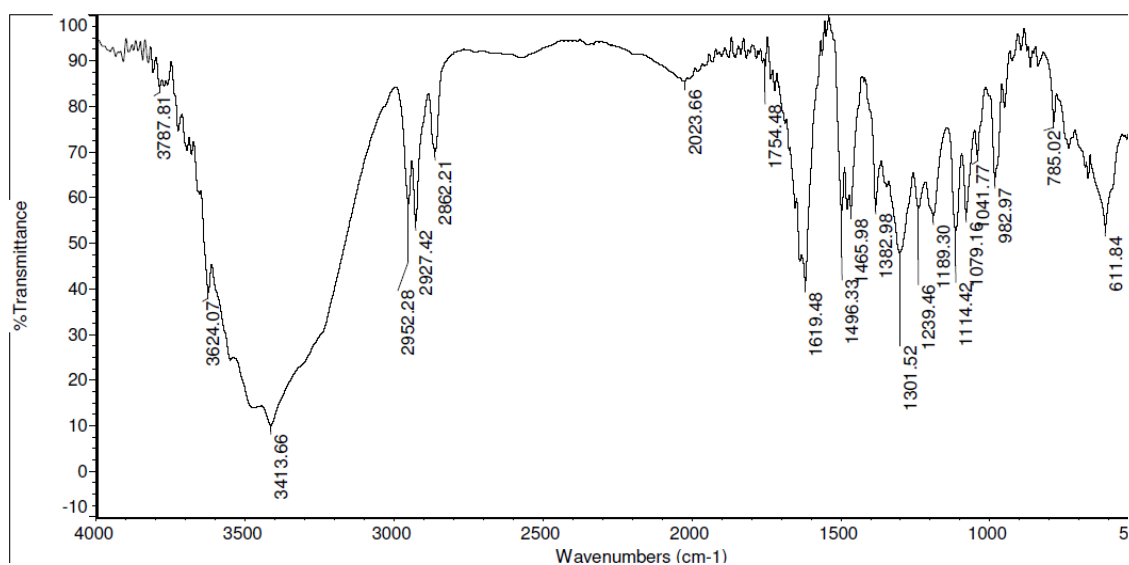


Figure S1. FT-IR spectra of C-tetra(propyl)pyrogallol[4]arene (crown) (**1**)

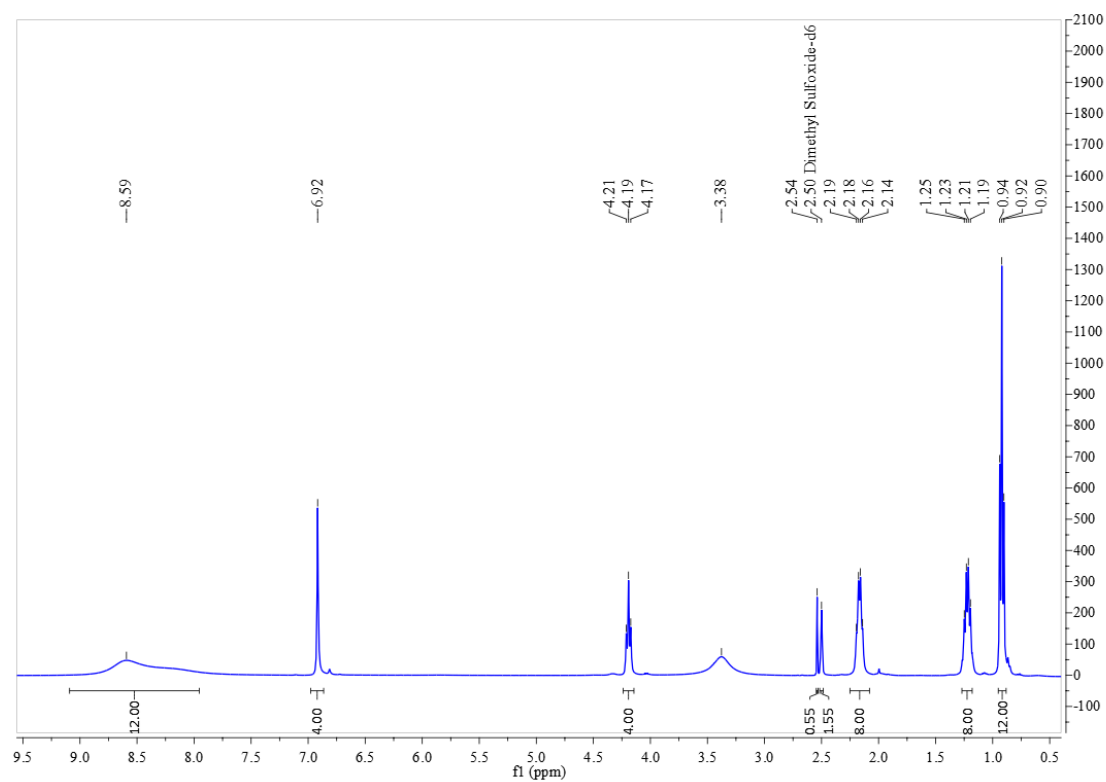


Figure S2. ¹H-NMR spectra of C-tetra(propyl)pyrogallol[4]arene (crown) (1)

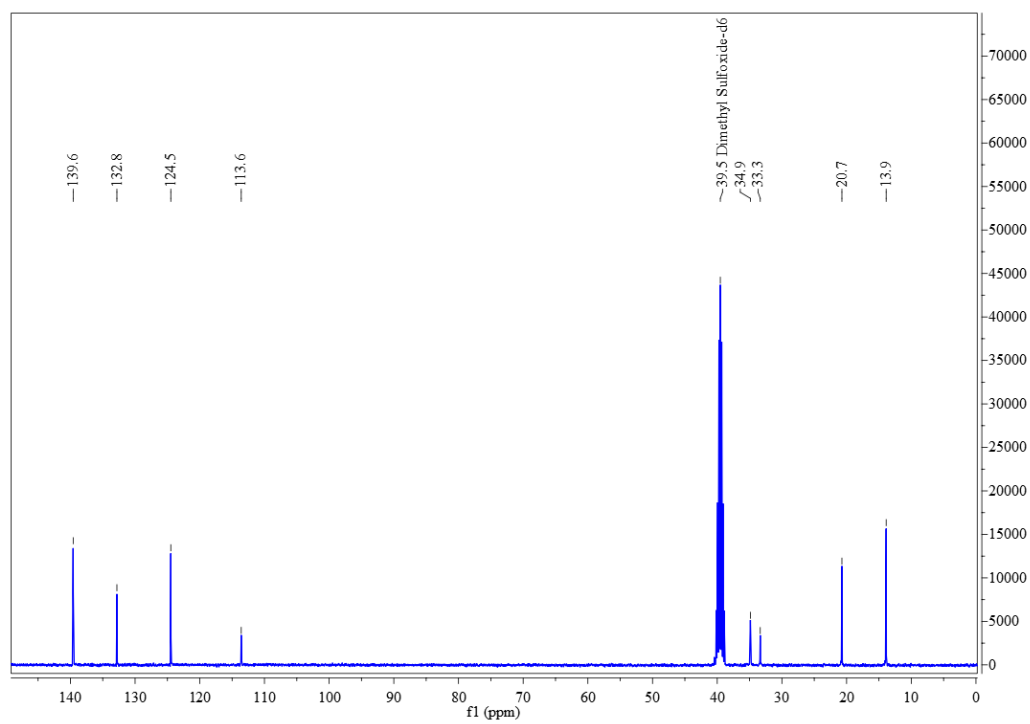


Figure S3. ¹³C-NMR spectra of C-tetra(propyl)pyrogallol[4]arene (crown) (1)

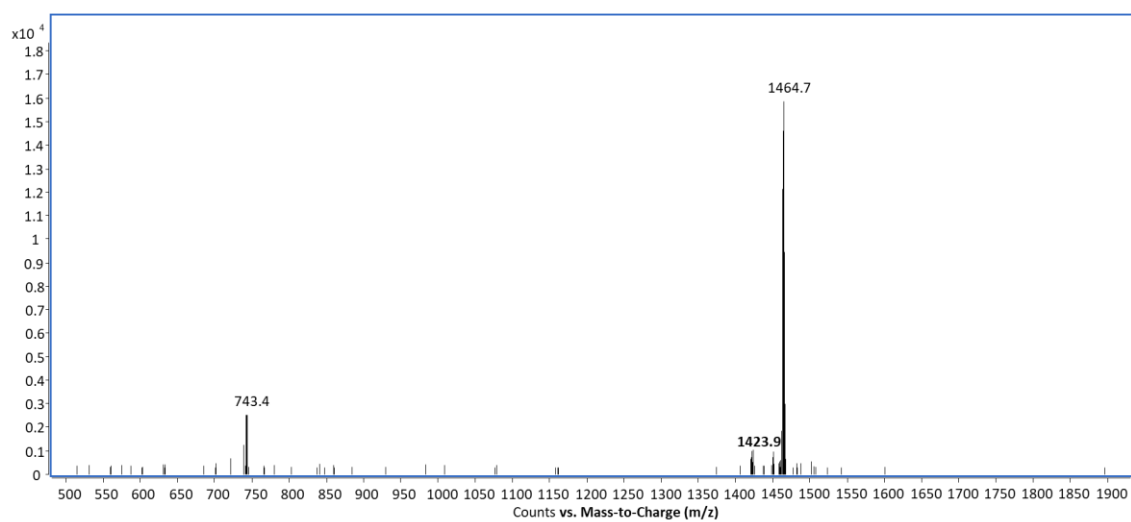


Figure S4. ESI-MS spectra of C-tetra(propyl)pyrogallol[4]arene (crown) (1)

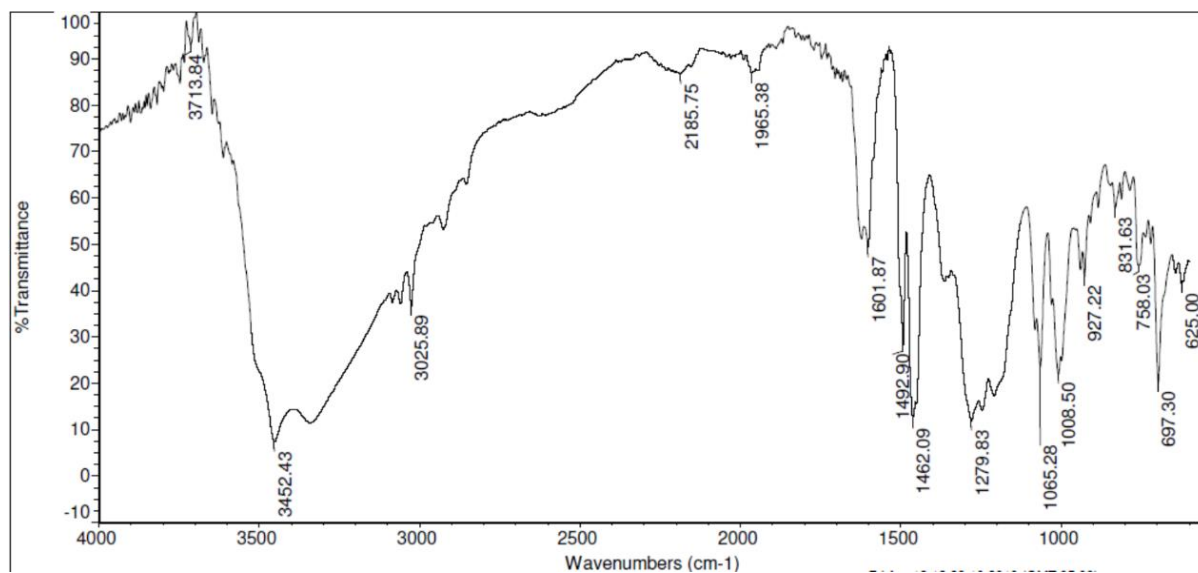


Figure S5. FT-IR spectra of C-tetra(phenyl)pyrogallol[4]arene (crown) (2)

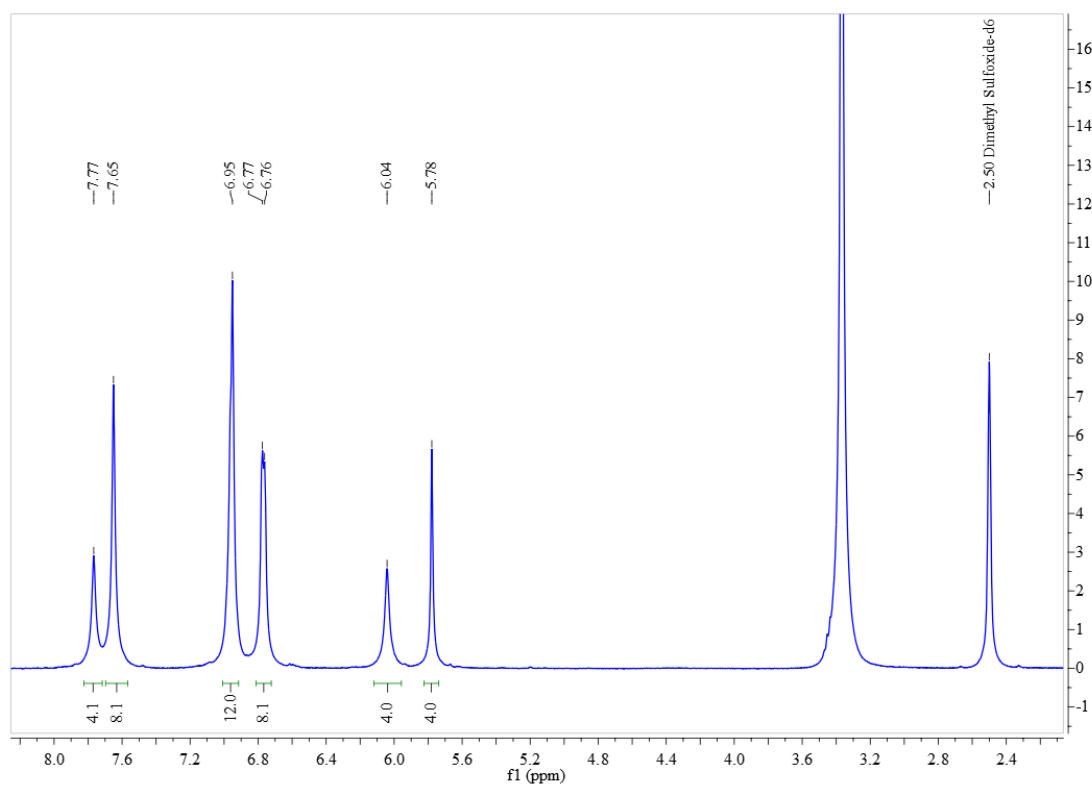


Figure S6. ¹H-NMR spectra of C-tetra(phenyl)pyrogallol[4]arene (crown) (2)

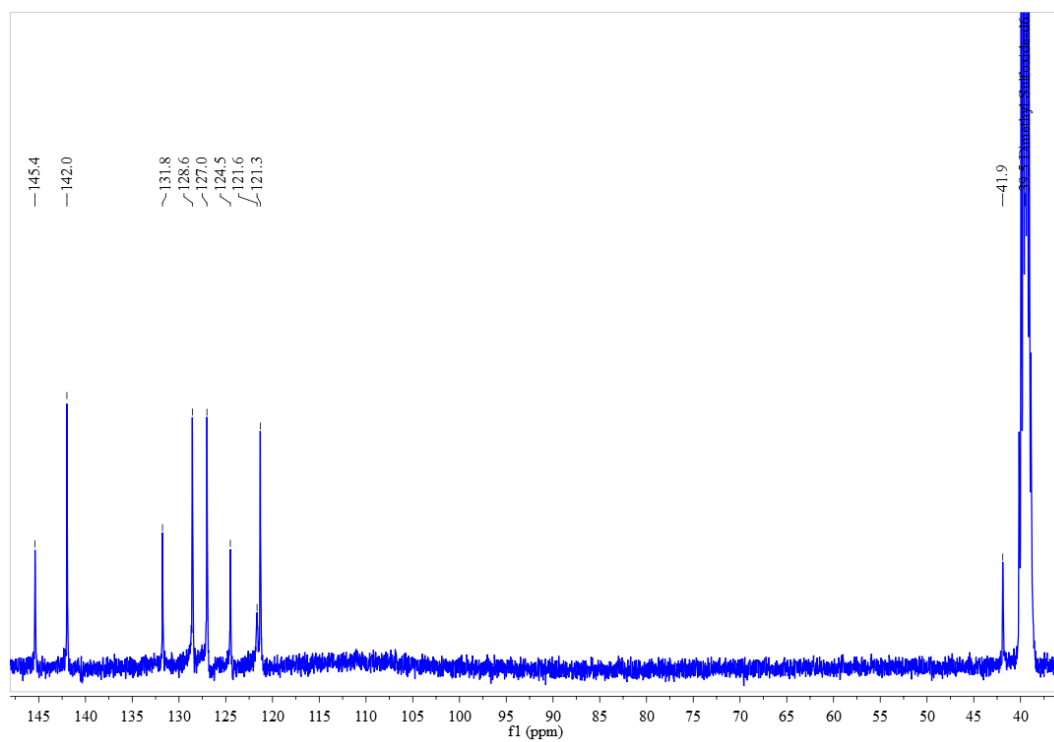


Figure S7. ¹³C-NMR spectra of C-tetra(phenyl)pyrogallol[4]arene (crown) (2)

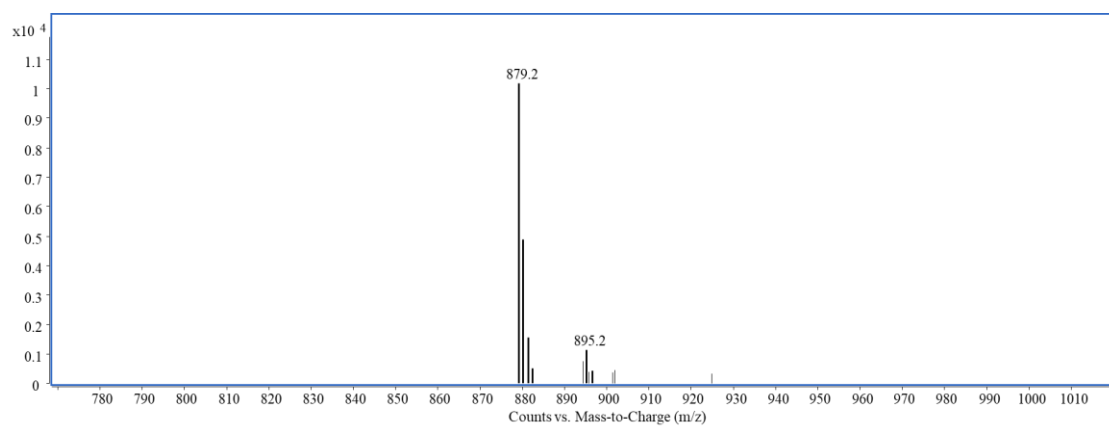


Figure S8. ESI-MS spectra of C-tetra(phenyl)pyrogallol[4]arene (crown) (2)

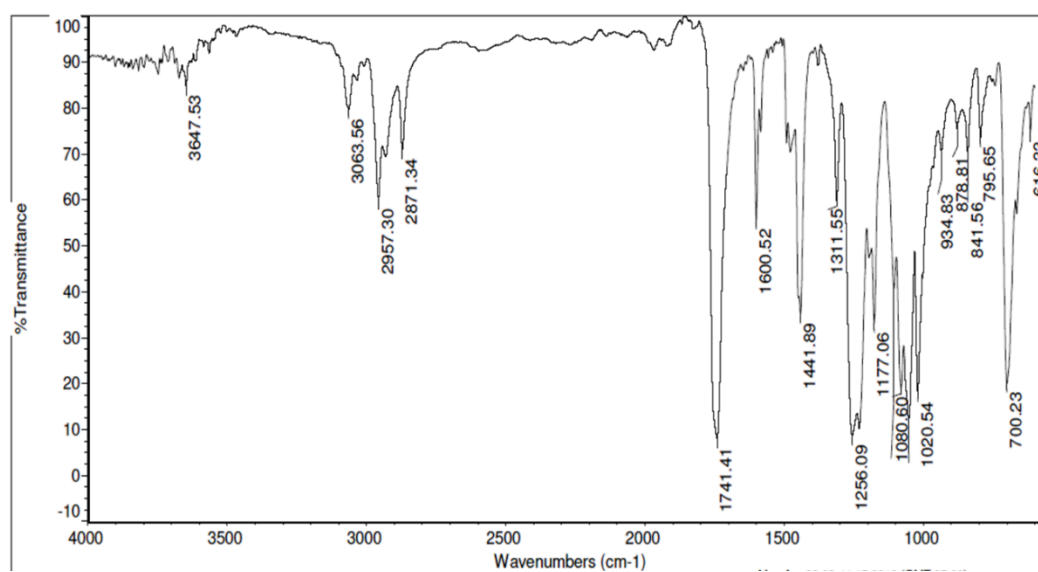


Figure S9. FT-IR spectra of Dodeca-benzylated-tetra(propyl)pyrogallol[4]arene boat(rccc) (3)

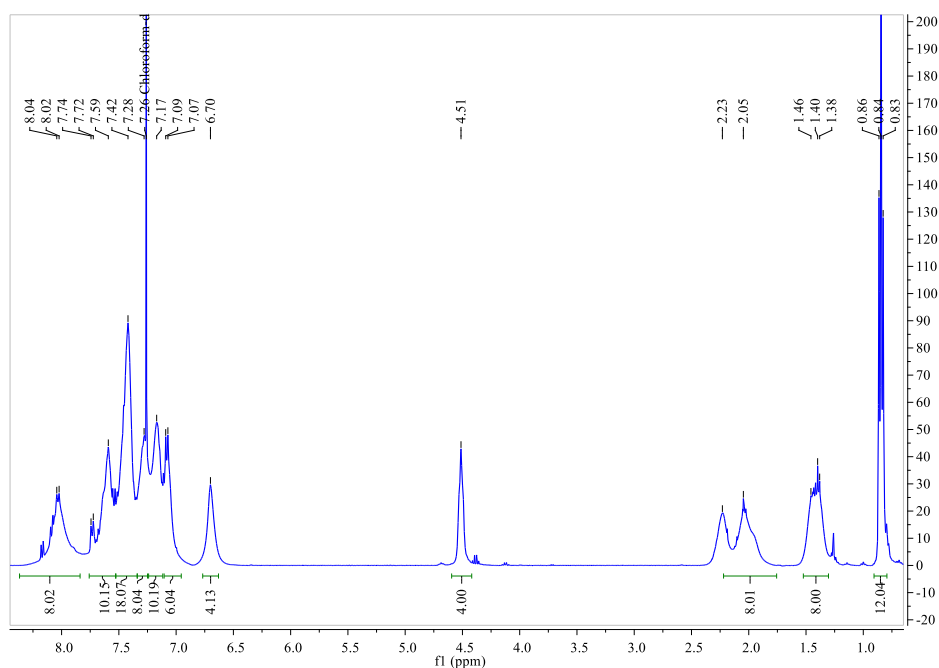


Figure S10. ¹H-NMR spectra of Dodeca-benzylated-tetra(propyl)pyrogallol[4]arene boat(rccc) (3)

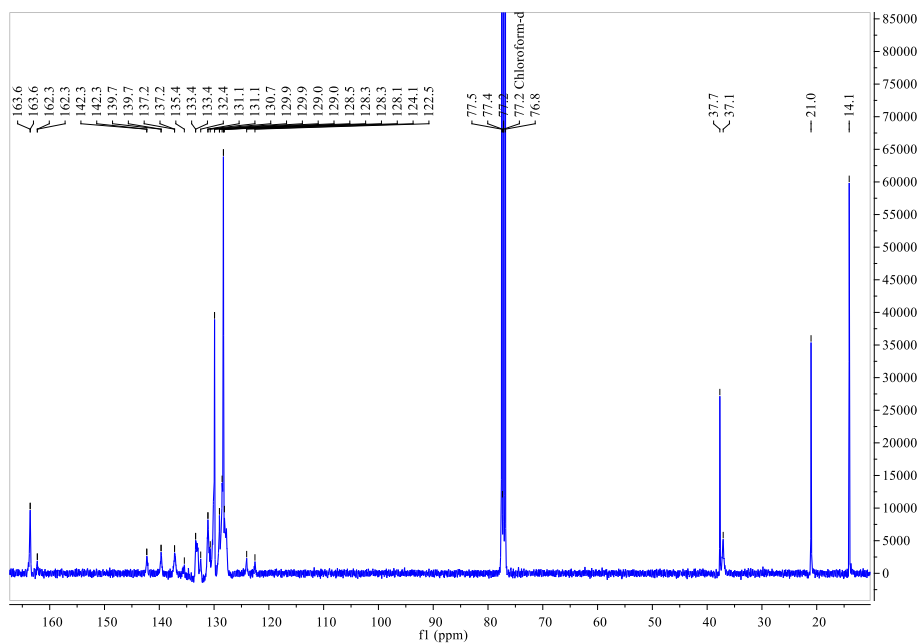


Figure S11. ¹³C-NMR spectra of Dodeca-benzylated-tetra(propyl)pyrogallol[4]arene boat(rccc) (3)

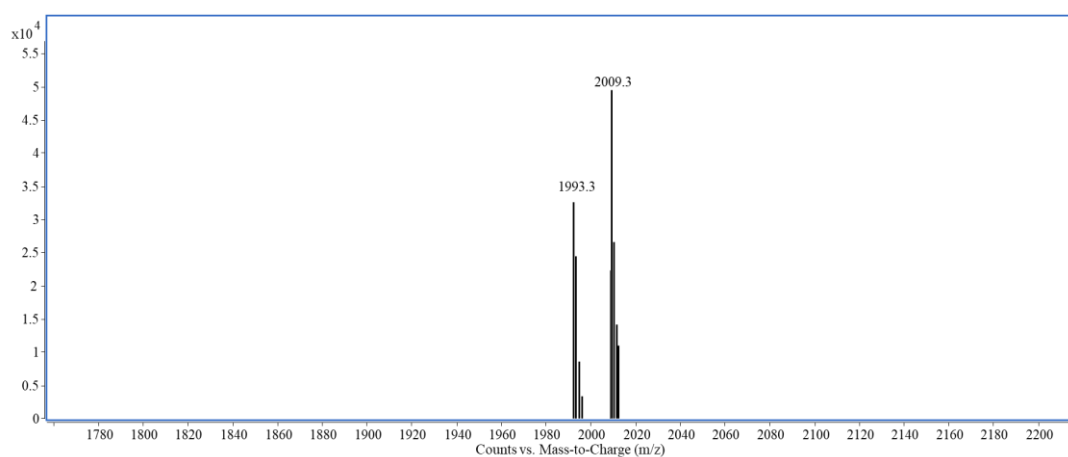


Figure S12. ESI-MS spectra of Dodeca-benzylated-tetra(propyl)pyrogallol[4]arene boat(rccc) (3)

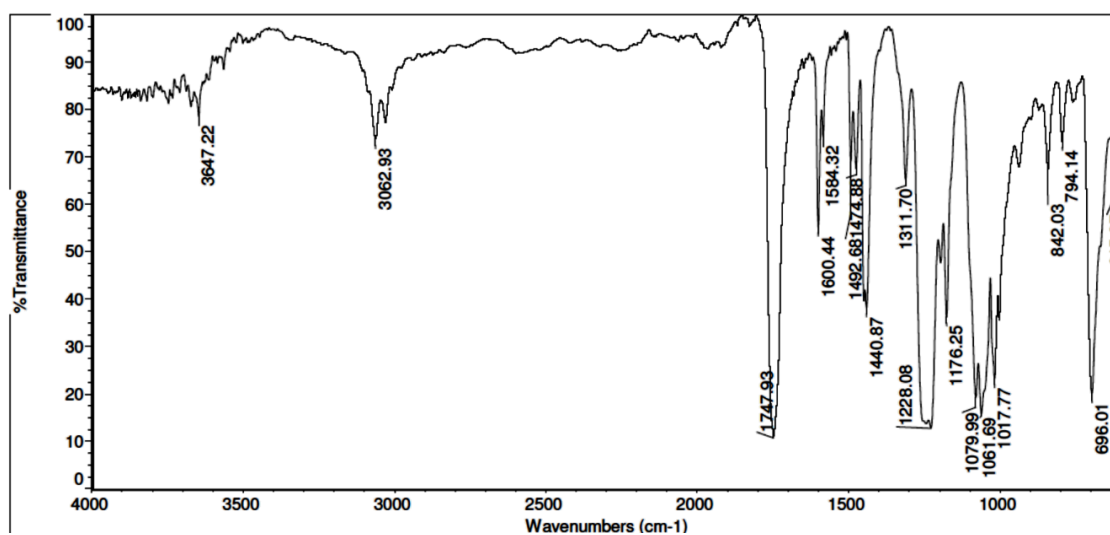


Figure S13. FT-IR spectra of Dodeca-benzylated-tetra(phenyl)pyrogallol[4]arene boat (rccc) (4)

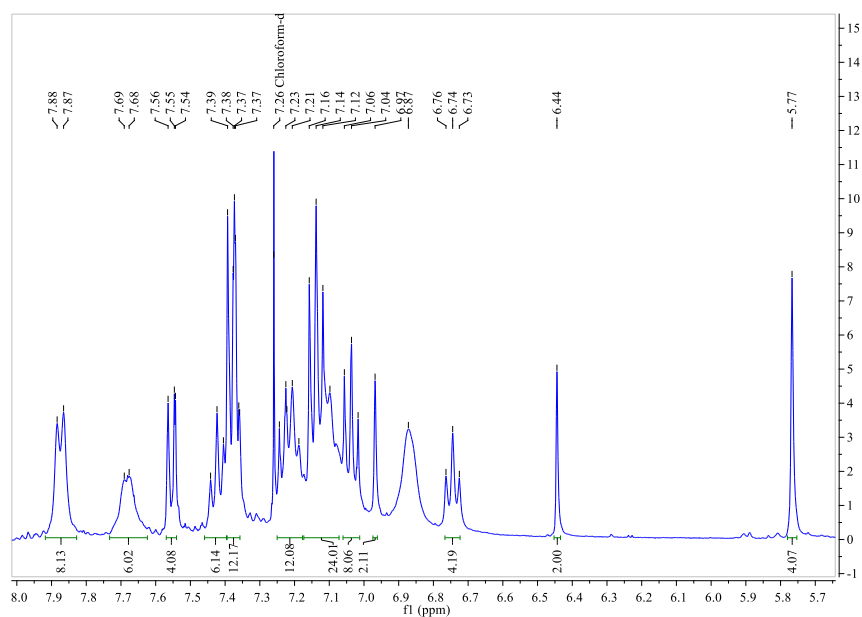


Figure S14. ^1H -NMR spectra of Dodeca-benzylated-tetra(phenyl)pyrogallol[4]arene boat (rccc) (**4**)

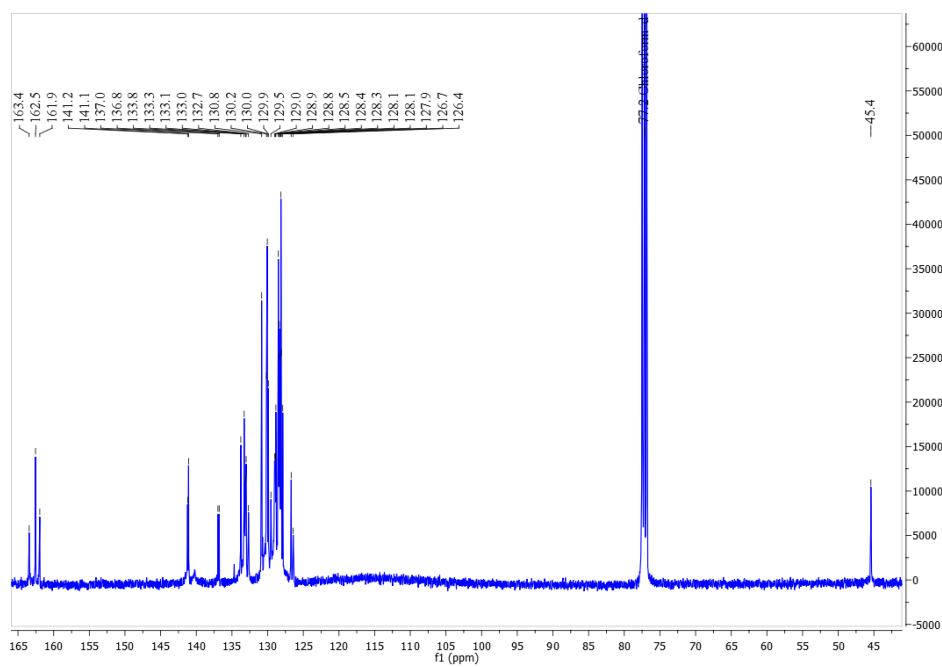


Figure S15. ^{13}C -NMR spectra of Dodeca-benzylated-tetra(phenyl)pyrogallol[4]arene boat (rccc) (**4**)

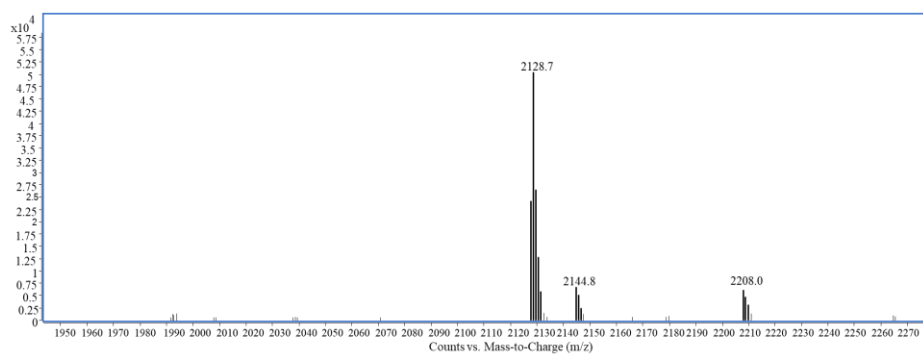


Figure S16. ESI-MS spectra of Dodeca-benzylated-tetra(phenyl)pyrogallol[4]arene boat (rccc) (4)

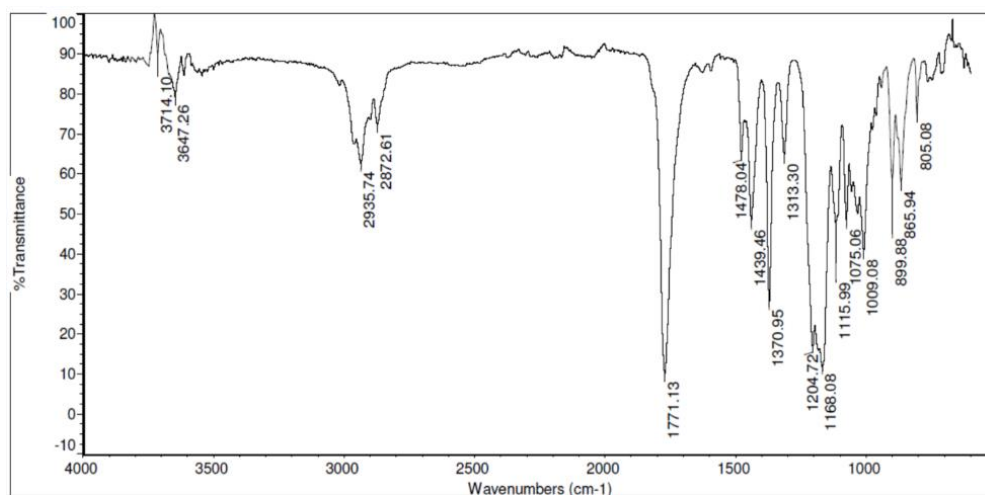


Figure S17. FT-IR spectra of *O*-acetylated-tetra(propyl)Calix[4]pyrogallolarene (5)

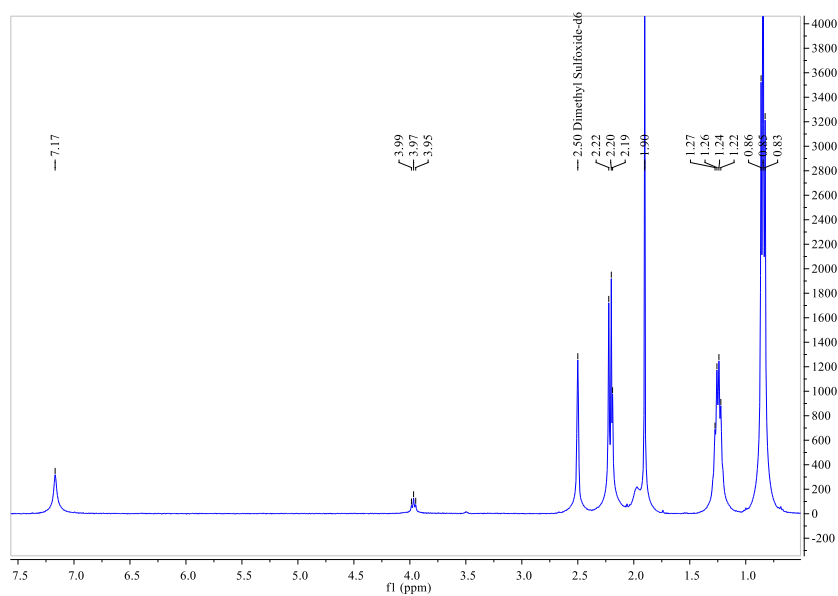


Figure S18. ^1H -NMR spectra of *O*-acetylated-tetra(propyl)Calix[4]pyrogallolarene (5)

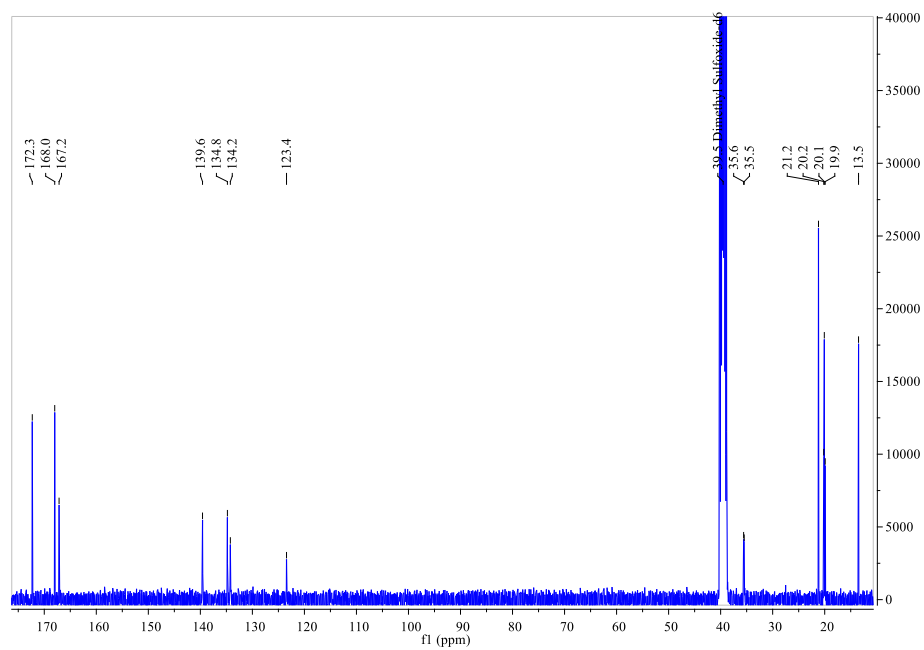


Figure S19. ¹³C-NMR spectra of *O*-acetylated-tetra(propyl)Calix[4]pyrogallolarene (5)

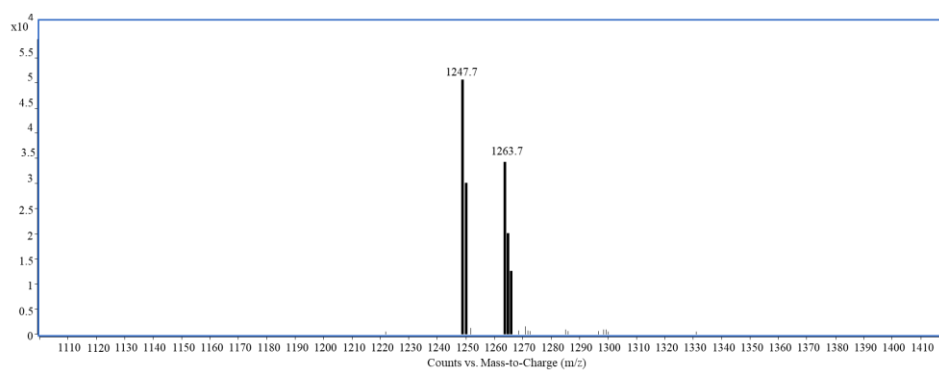


Figure S20. ESI-MS spectra of *O*-acetylated-tetra(propyl)Calix[4]pyrogallolarene (5)

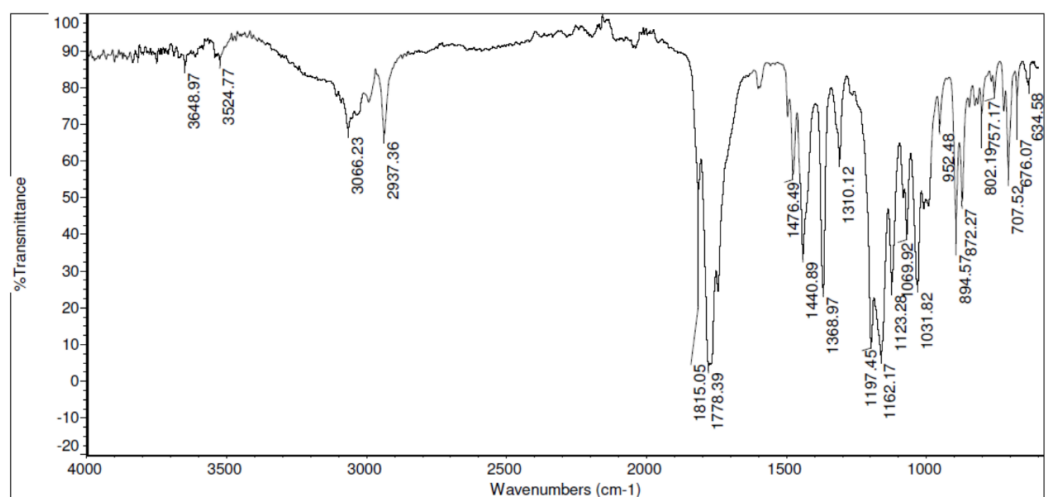


Figure S21. FT-IR spectra of *O*-acetylated-tetra(phenyl)calix[4]pyrogallolarene (6)

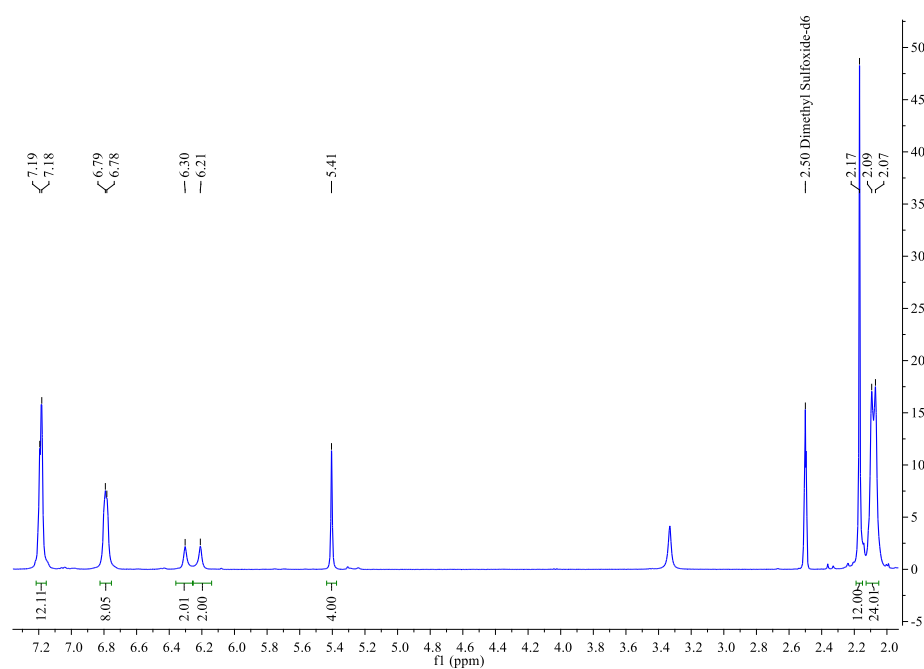


Figure S22. ¹H-NMR spectra of *O*-acetylated-tetra(phenyl)calix[4]pyrogallolarene (6)

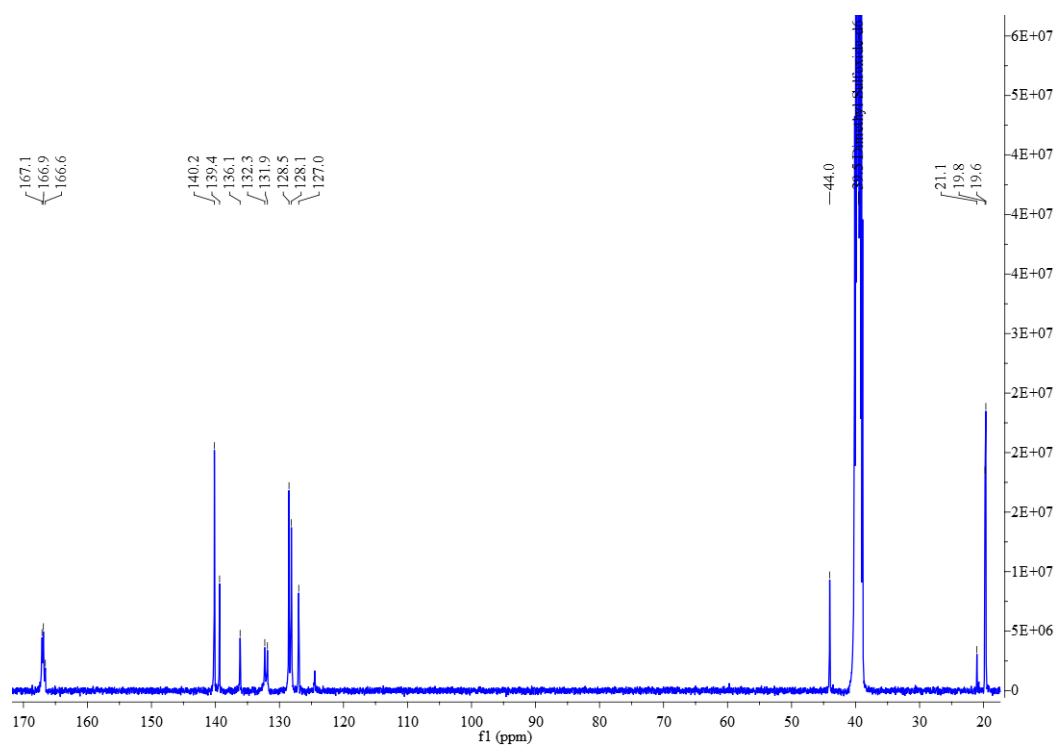


Figure S23. ¹³C-NMR spectra of *O*-acetylated-tetra(phenyl)calix[4]pyrogallolarene (6)

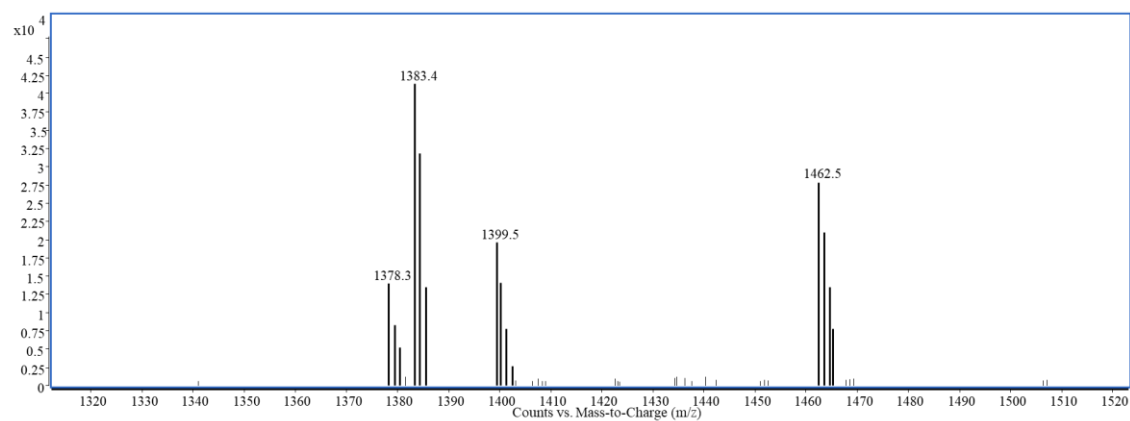


Figure S24. ESI-MS spectra of *O*-acetylated-tetra(phenyl)calix[4]pyrogallolarene (6)

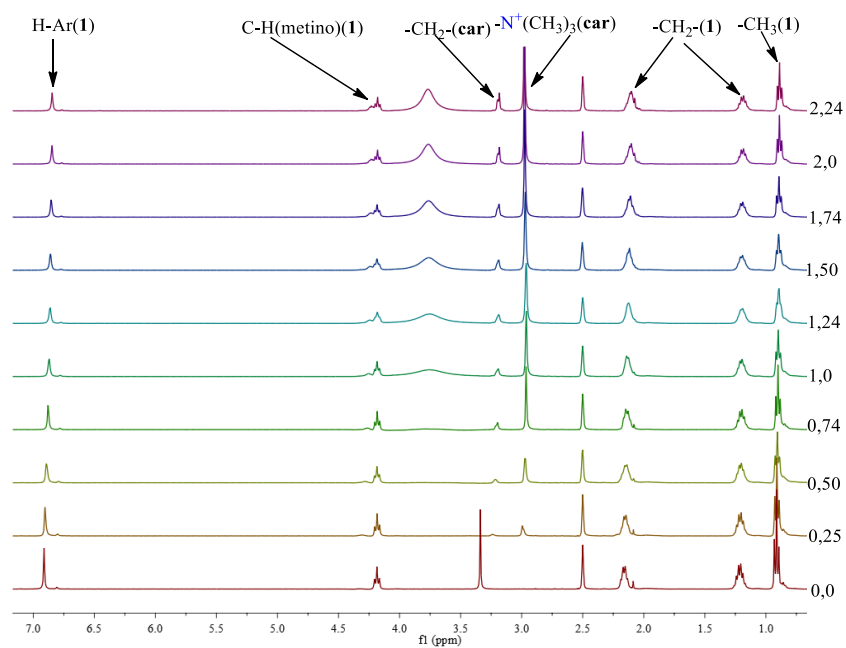


Figure S25. ^1H -NMR of titration of carnitine and **1**

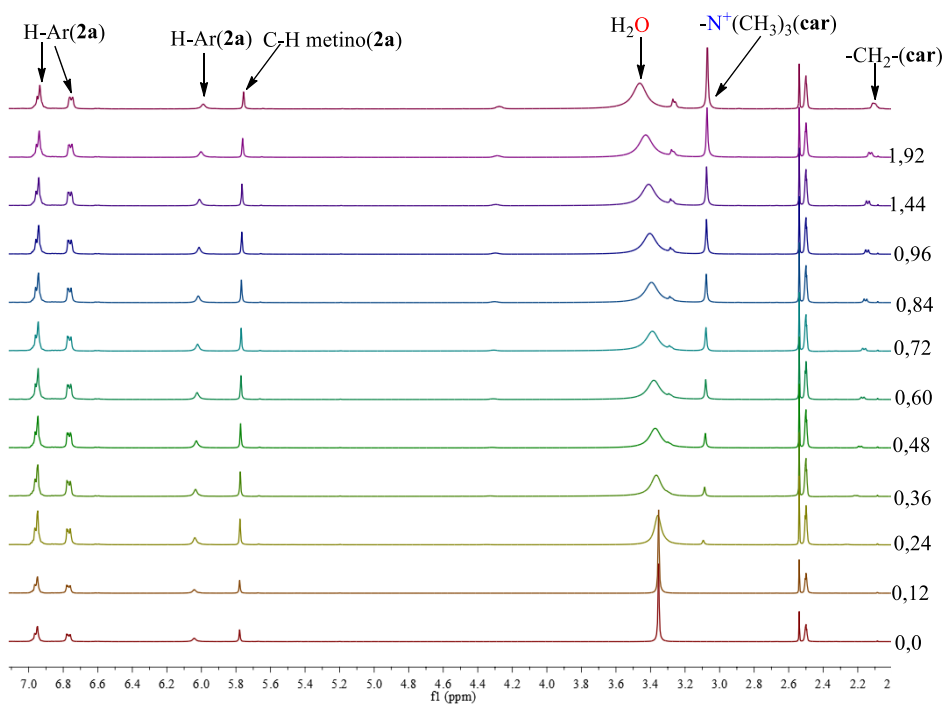


Figure S26. ^1H -NMR of titration of carnitine and **2**

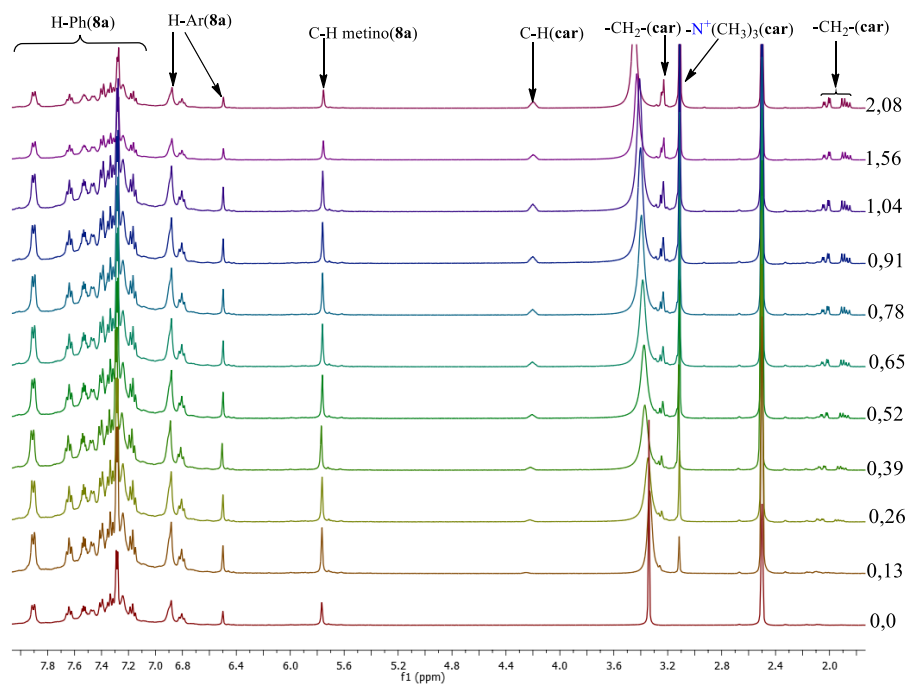


Figure S27. ^1H -NMR of titration of carnitine and 4

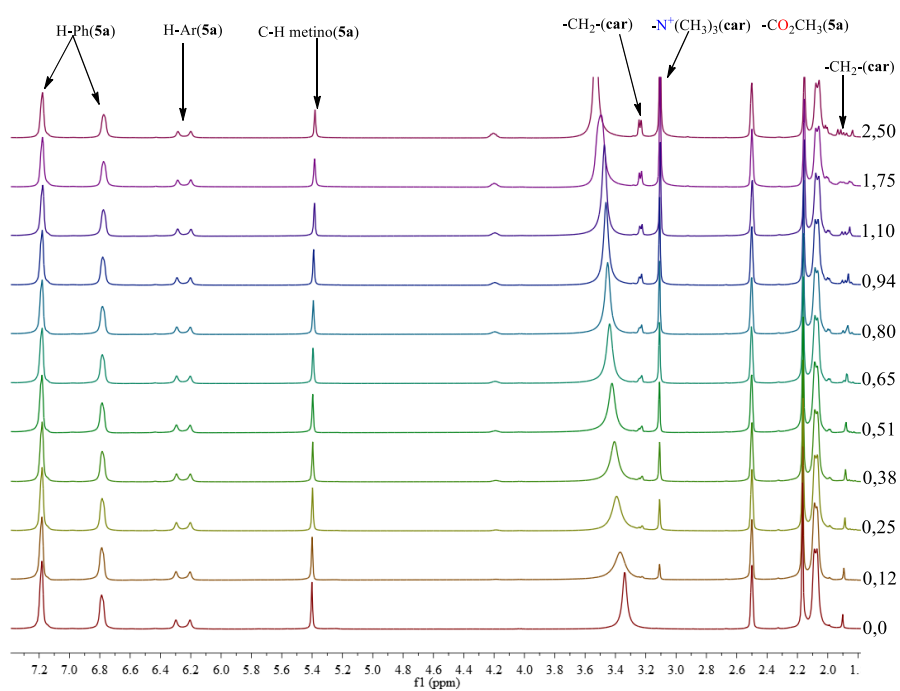


Figure S28. ^1H -NMR of titration of carnitine and 5