Supplementary Material

Synthesis of new anthraquinone compounds and evaluation of their considerable xanthine oxidase inhibitory activities

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Table of Contents

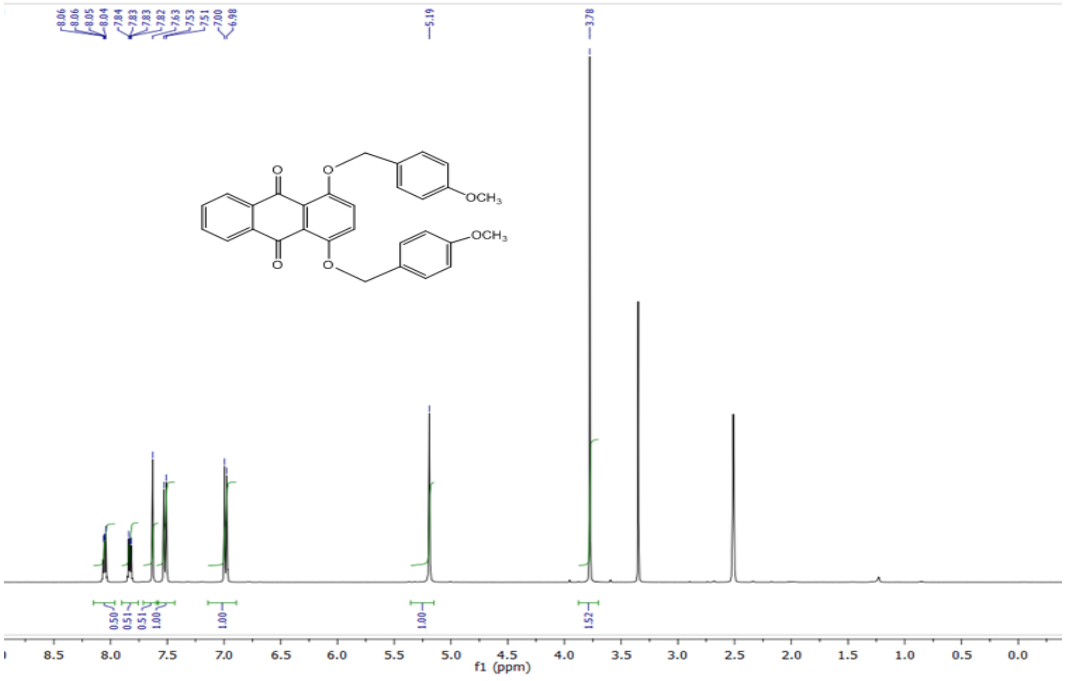

Figure 1. ^{1}H-NMR of compound **1** (DMSO-d_6, 400 MHz)

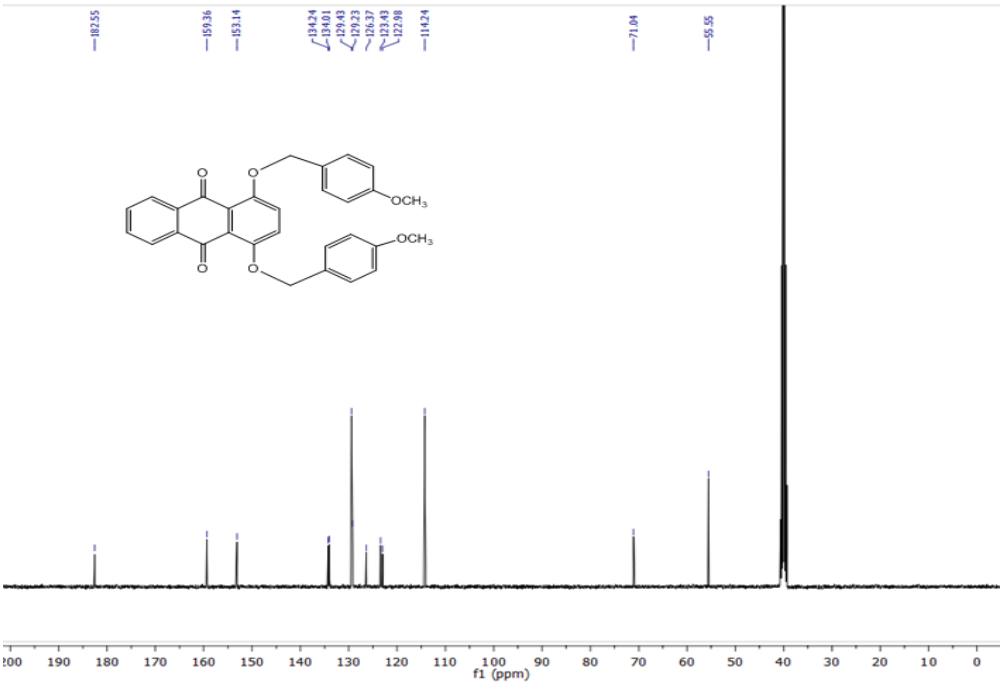

Figure 2. ^{13}C-NMR of compound **1** (DMSO-d_6, 100 MHz)

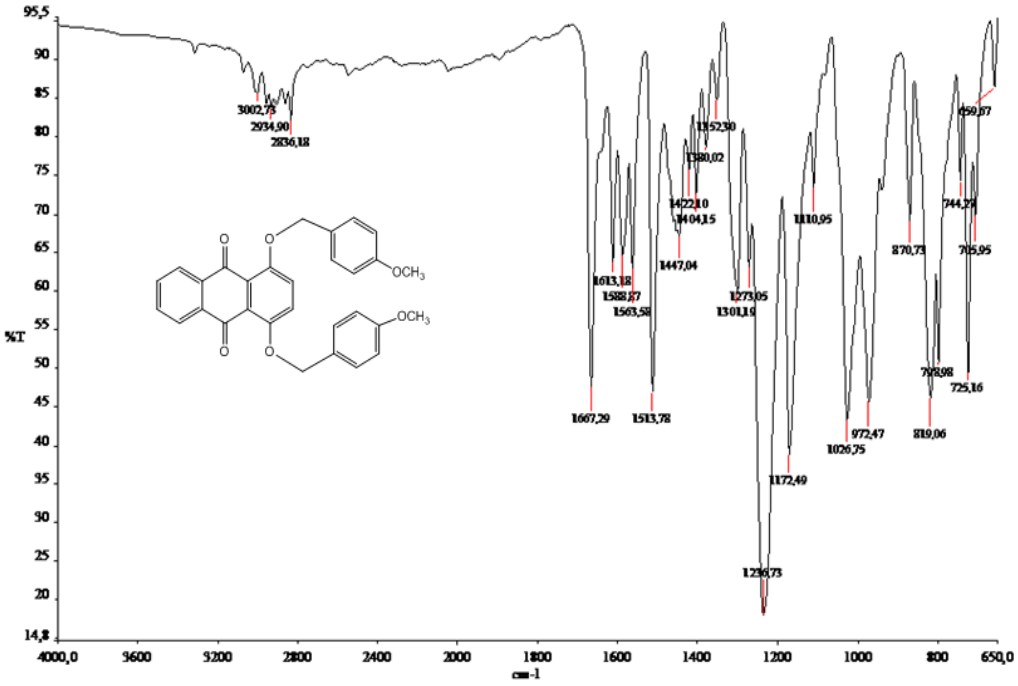

Figure 3. IR of compound **1**

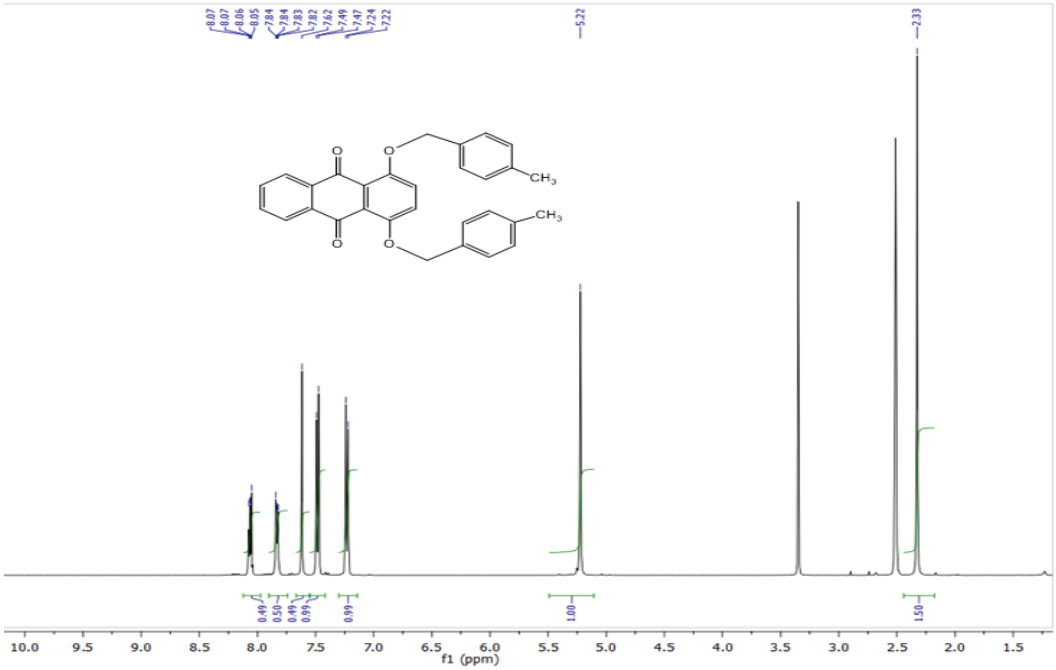

Figure 4. ^{1}H-NMR of compound **2** (DMSO-d_6, 400 MHz)

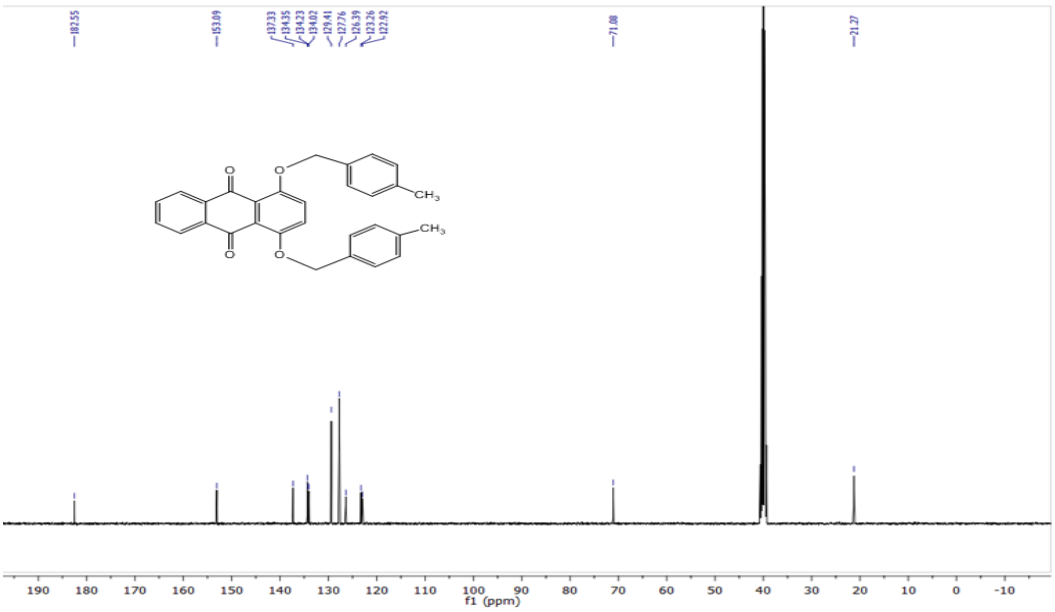

Figure 5. ^{1}3C-NMR of compound **2** (DMSO-d_6, 100 MHz)

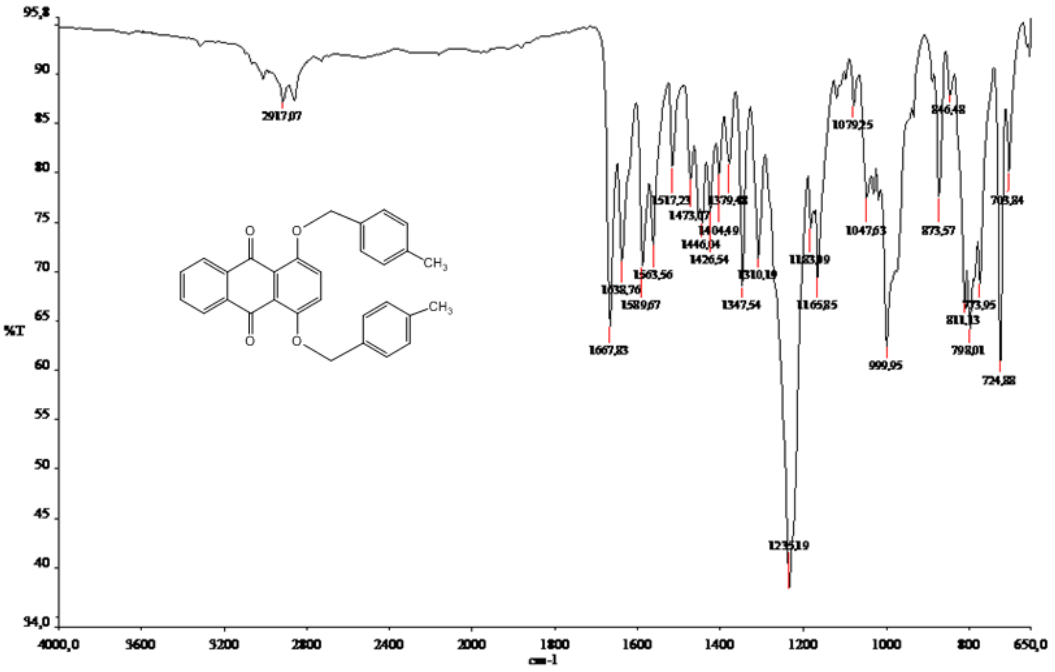

Figure 6. IR of compound **2**

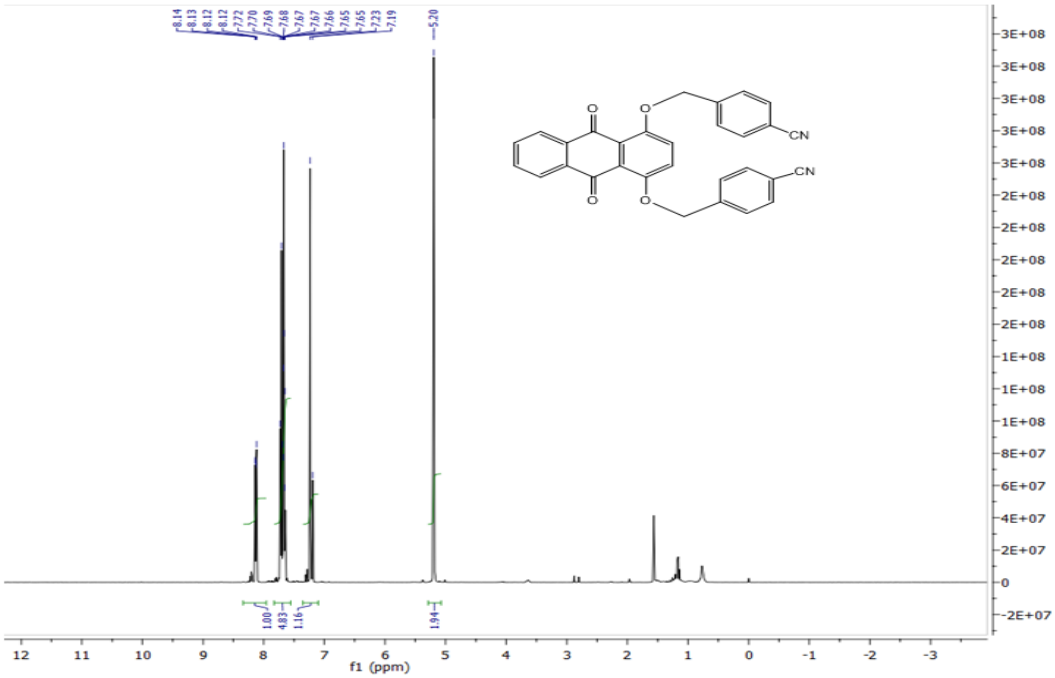

Figure 7. ^{1}H-NMR of compound **3** ($CDCl_3$, 400 MHz)

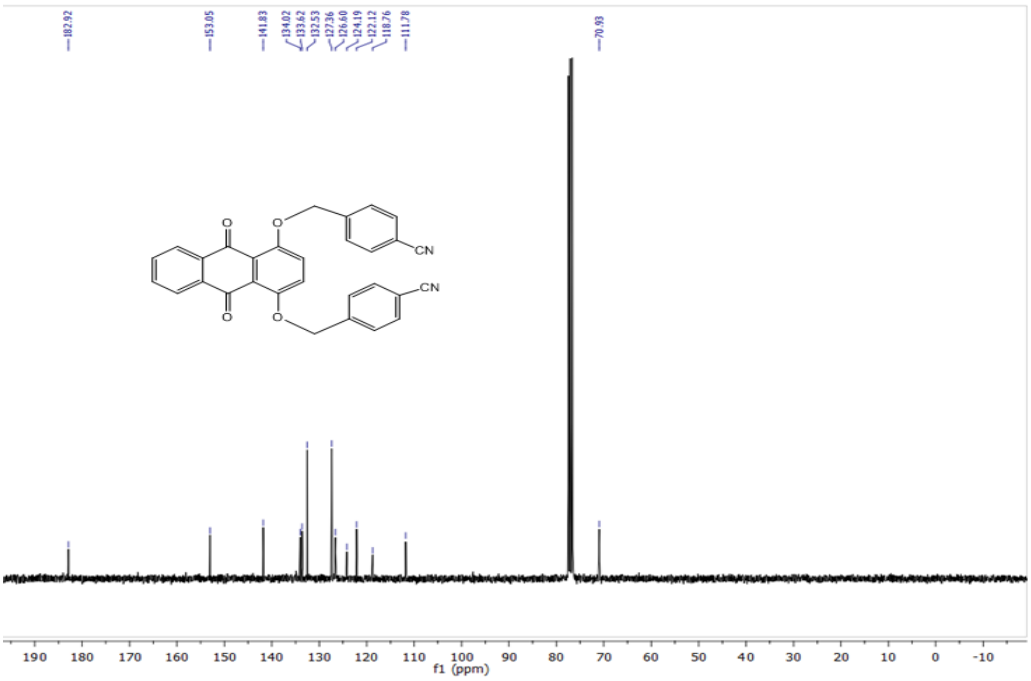

Figure 8. ^{13}C-NMR of compound **3** ($CDCl_3$, 100 MHz)

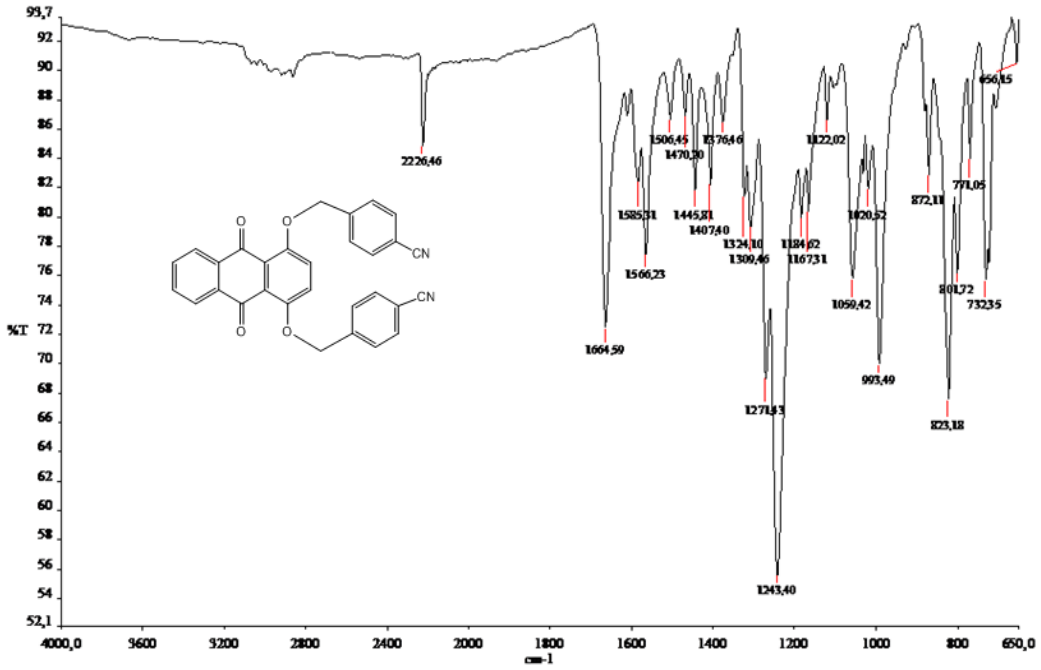

Figure 9. IR of compound **3**

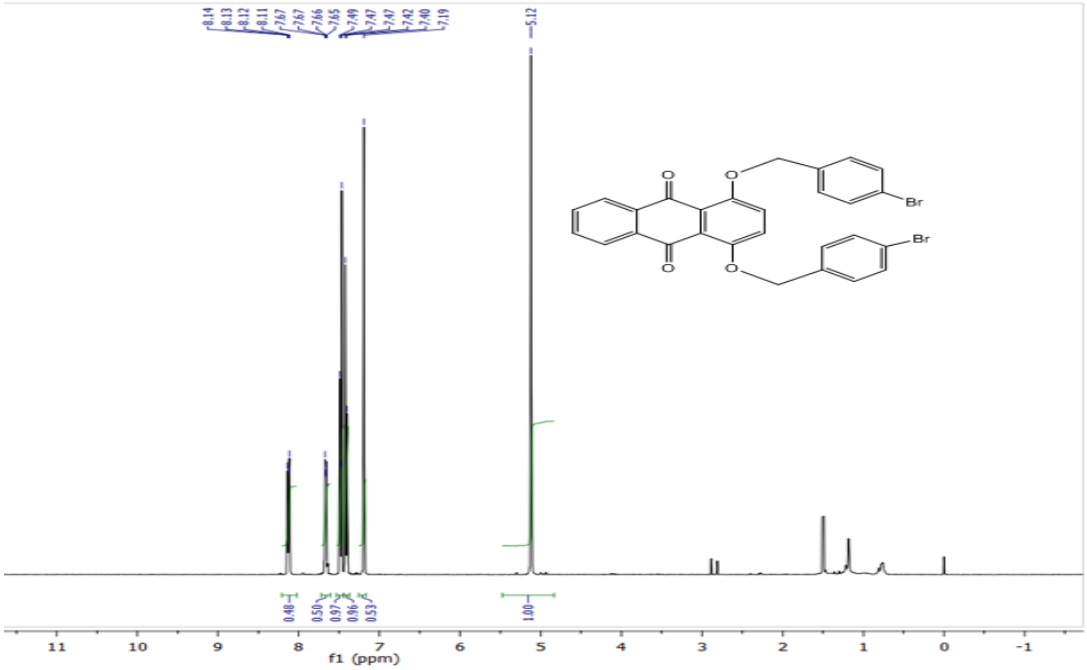

Figure 10. ^{1}H-NMR of compound **4** ($CDCl_3$, 400 MHz)

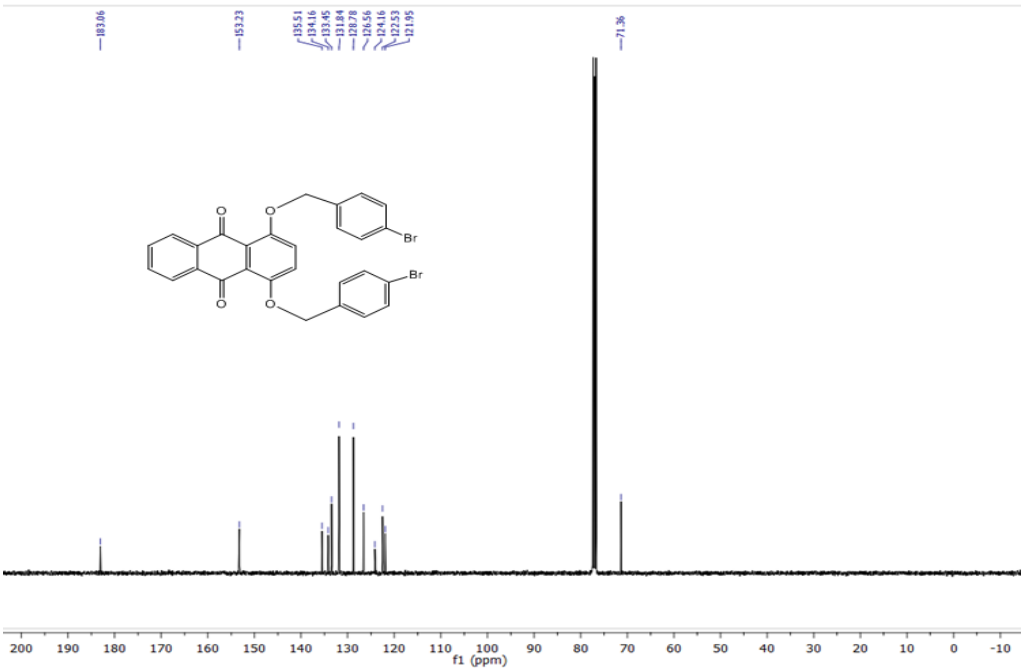

Figure 11. ^{13}C-NMR of compound **4** ($CDCl_3$, 100 MHz)

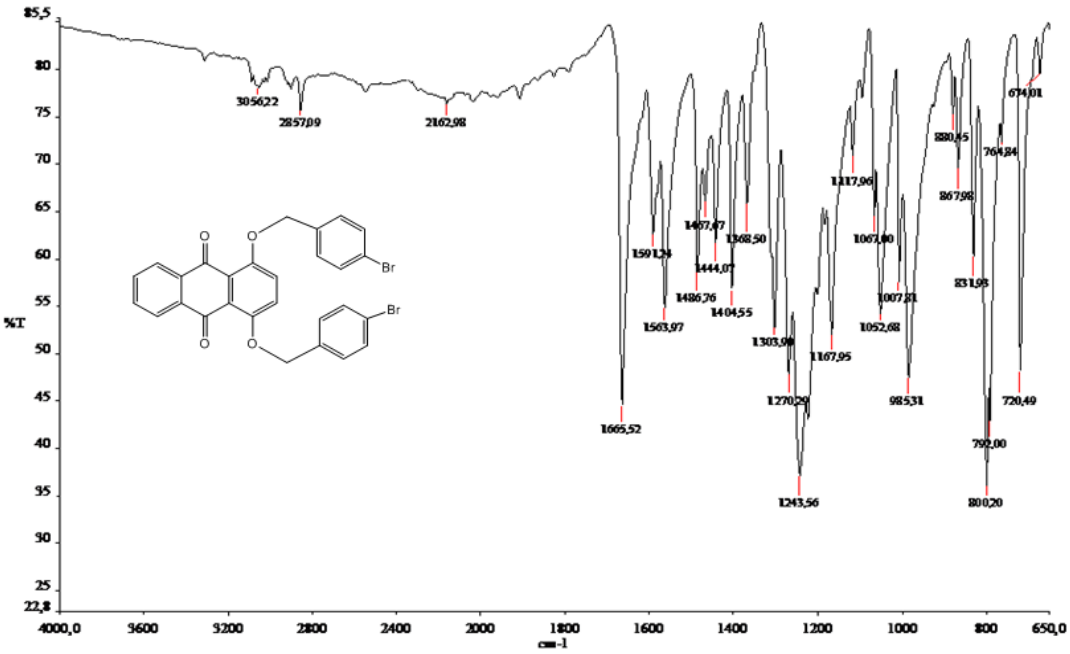

Figure 12. IR of compound **4**

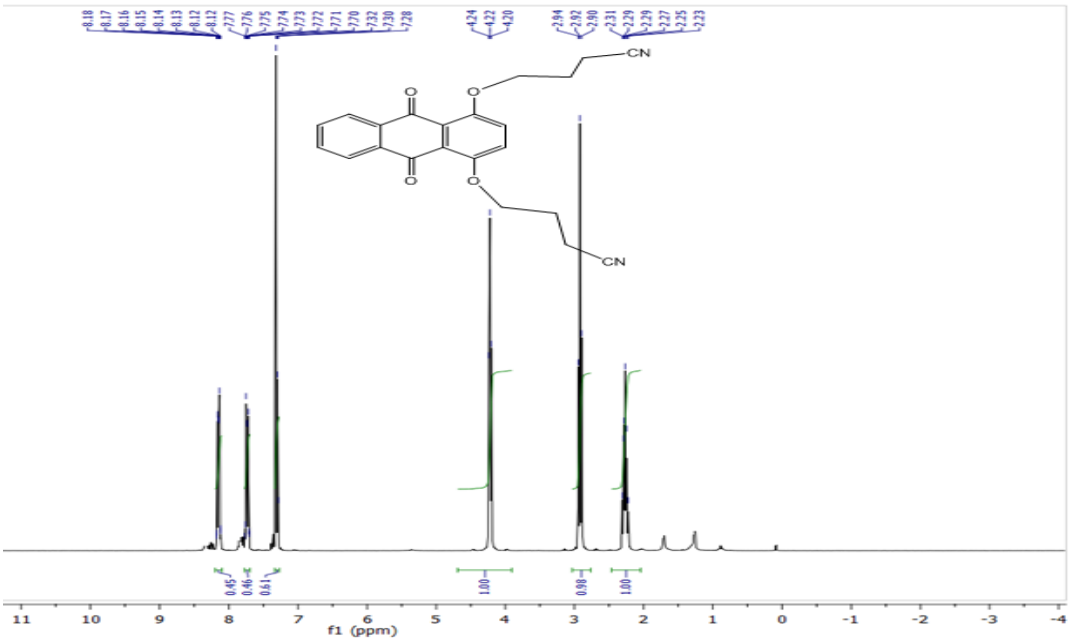

Figure 13. ^{1}H-NMR of compound **5** ($CDCl_3$, 400 MHz)

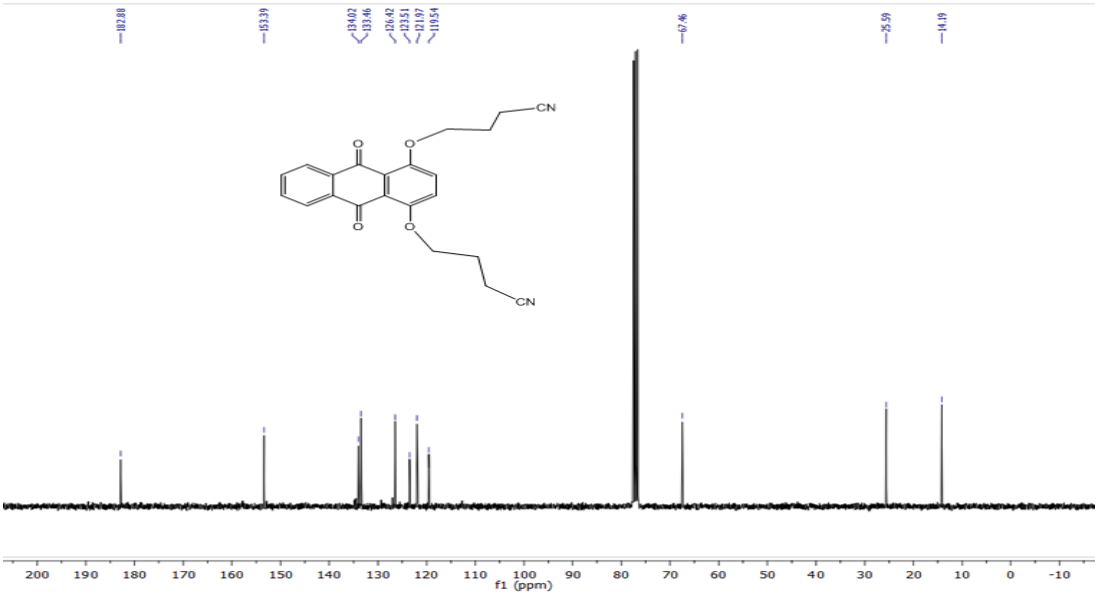

Figure 14. ^{13}C-NMR of compound **5** ($CDCl_3$, 100 MHz)

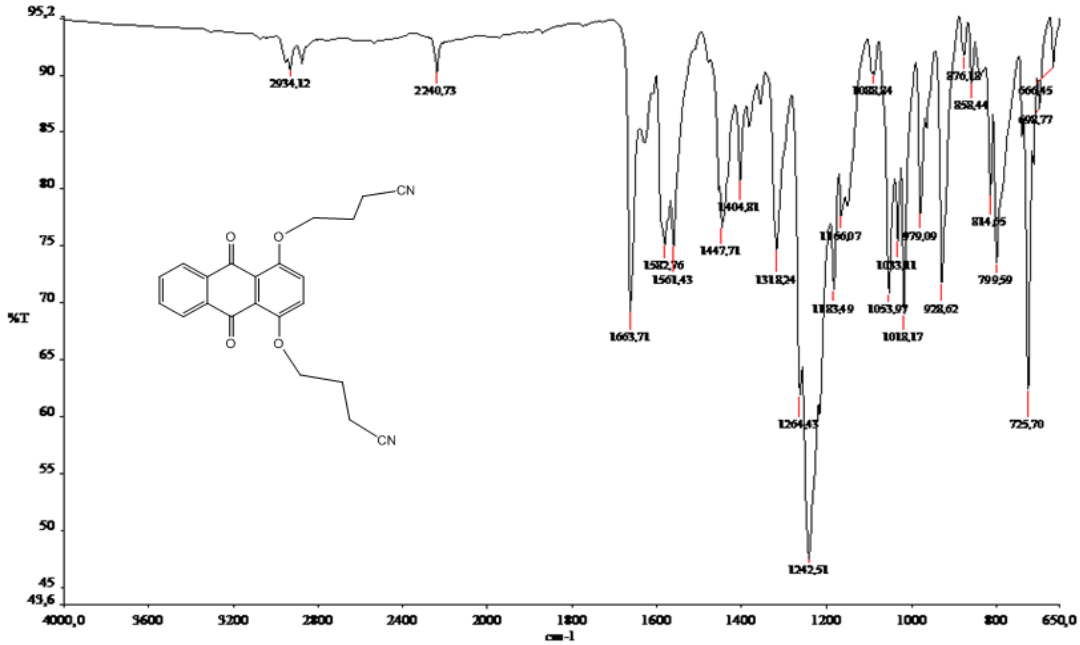

Figure 15. IR of compound **5**

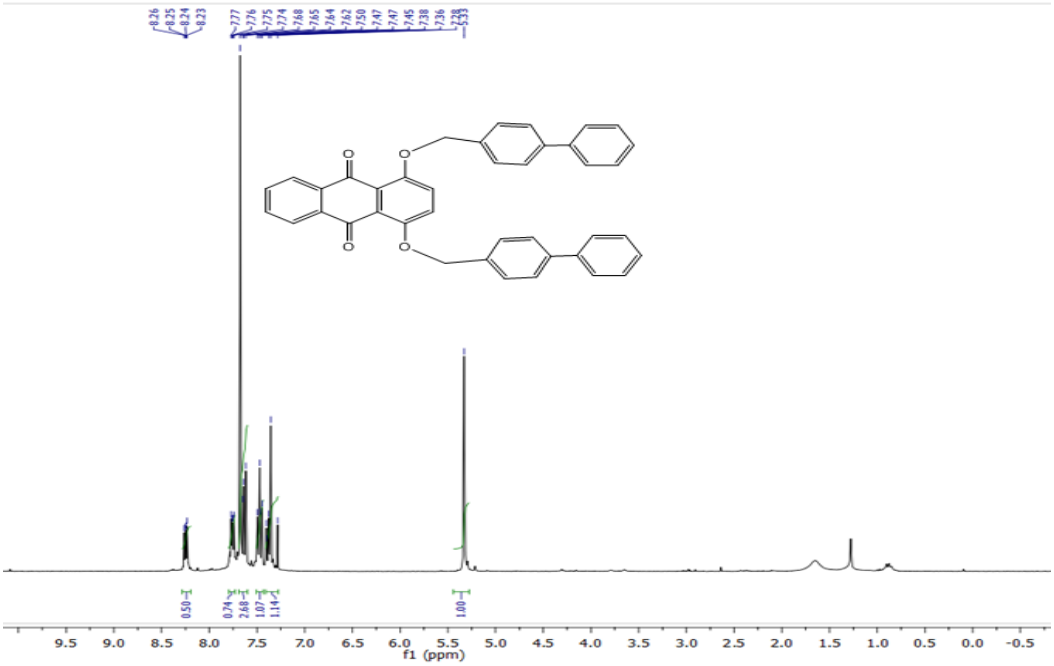

Figure 16. ^{1}H-NMR of compound **6** ($CDCl_3$, 400 MHz)

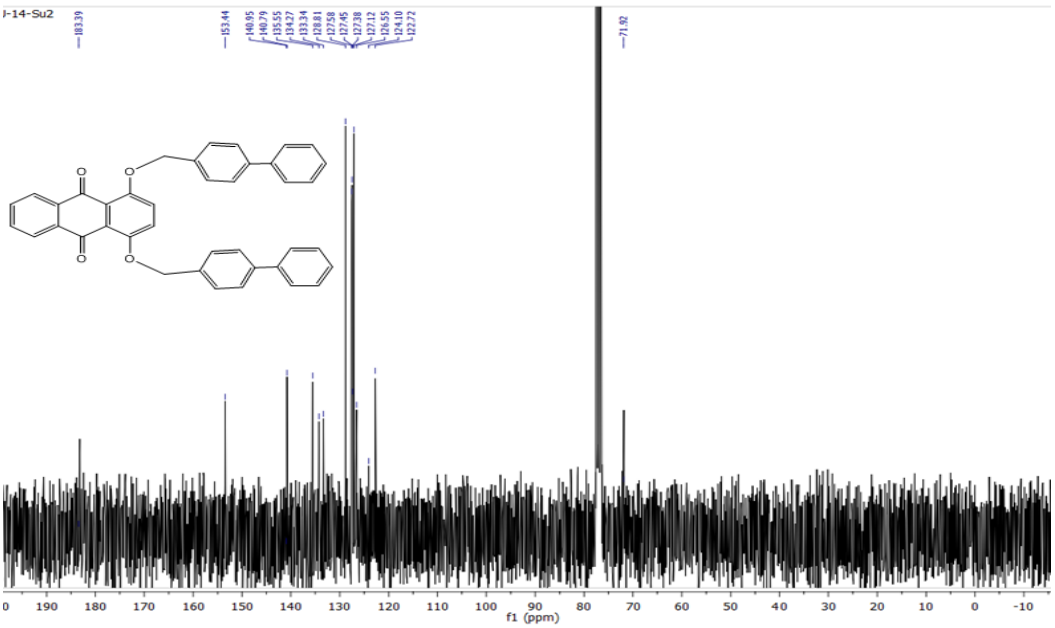

Figure 17. ^{13}C-NMR of compound **6** ($CDCl_3$, 100 MHz)

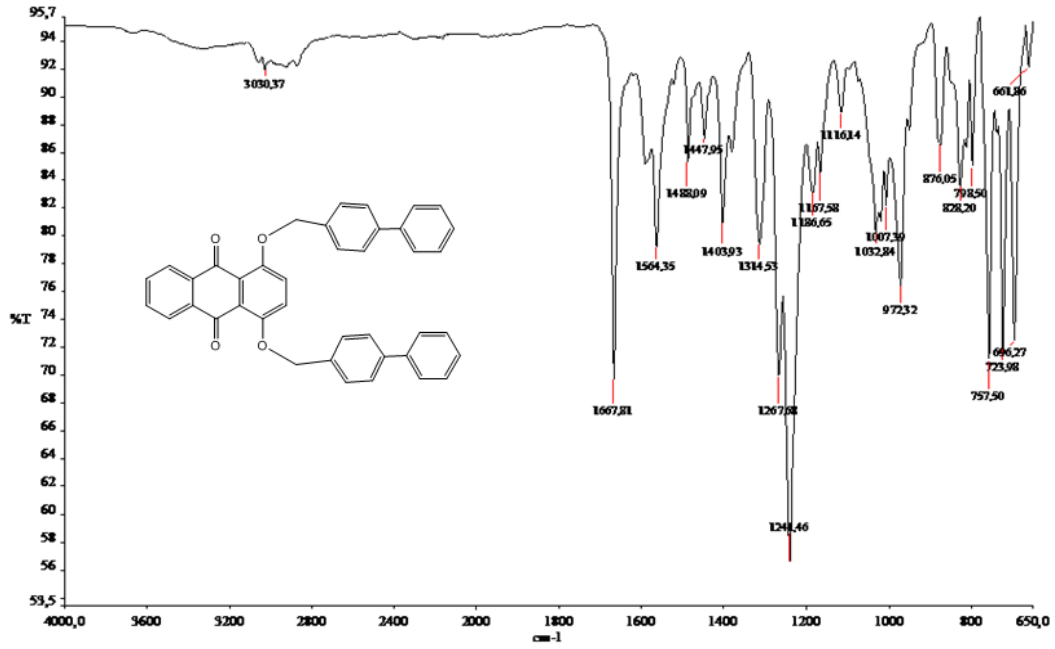

Figure 18. IR of compound **6**

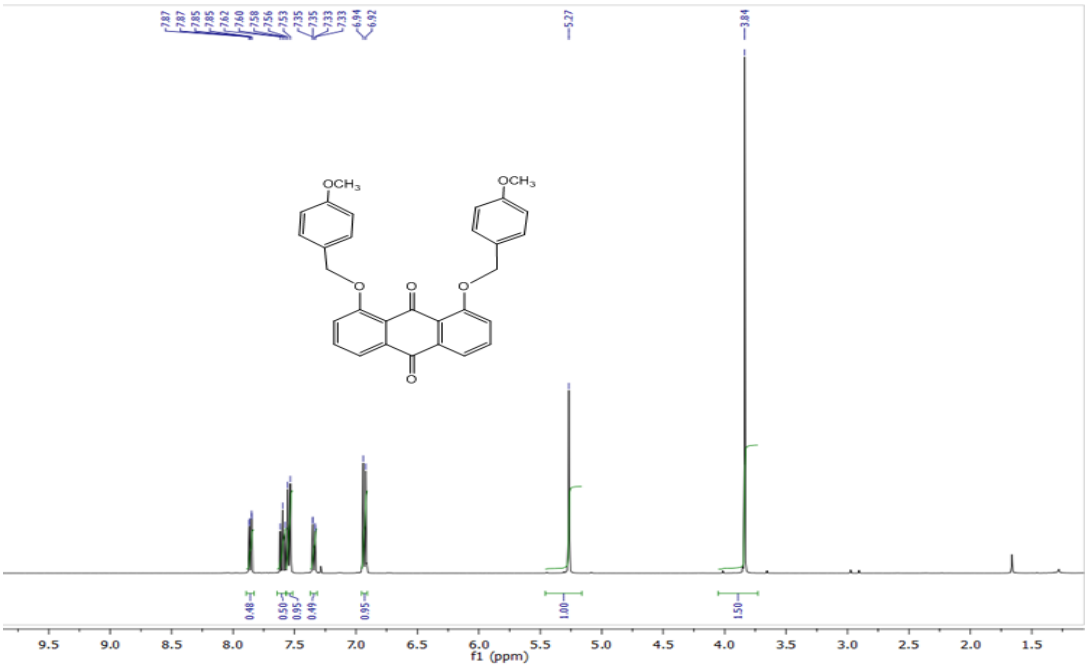

Figure 19. ^{1}H-NMR of compound **7** ($CDCl_3$, 400 MHz)

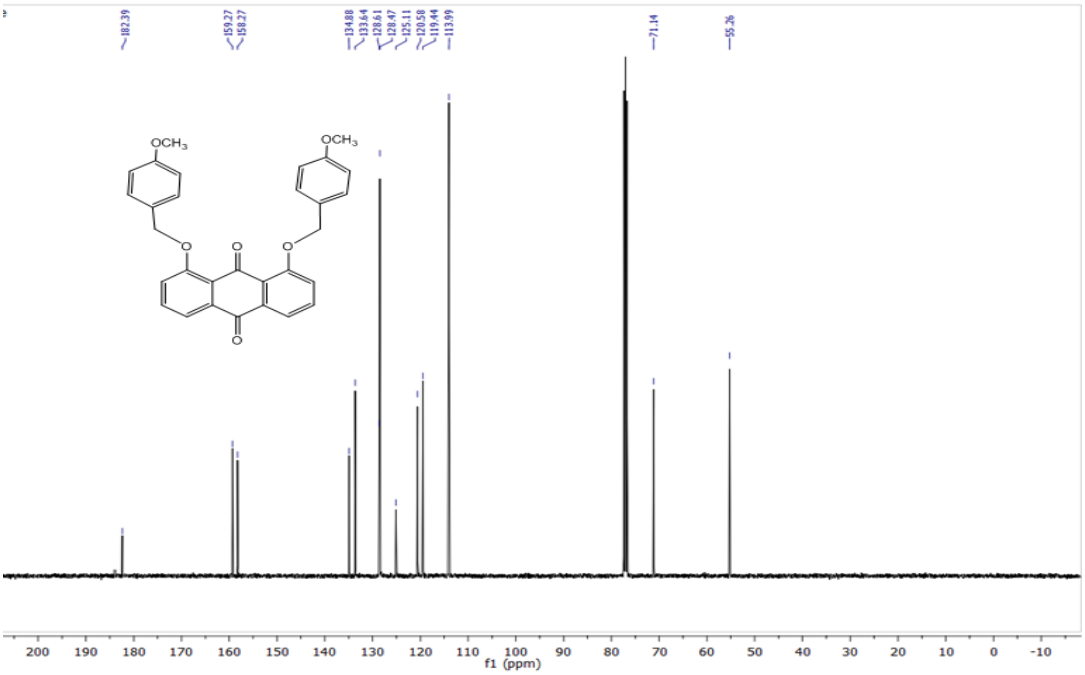

Figure 20. ^{13}C-NMR of compound **7** ($CDCl_3$, 100 MHz)

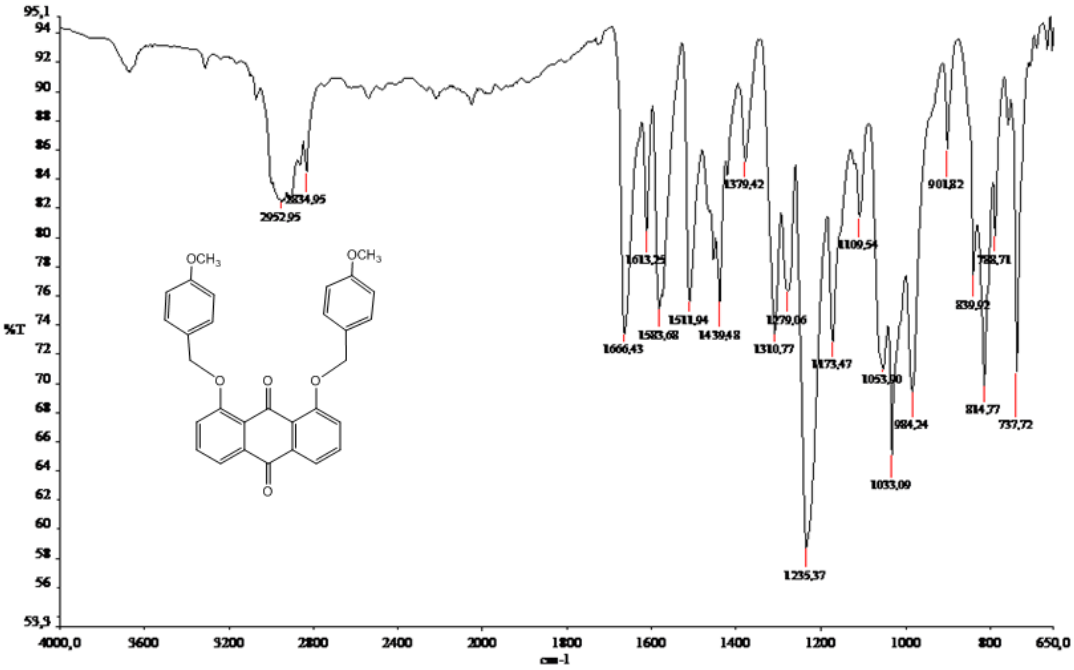

Figure 21. IR of compound **7**

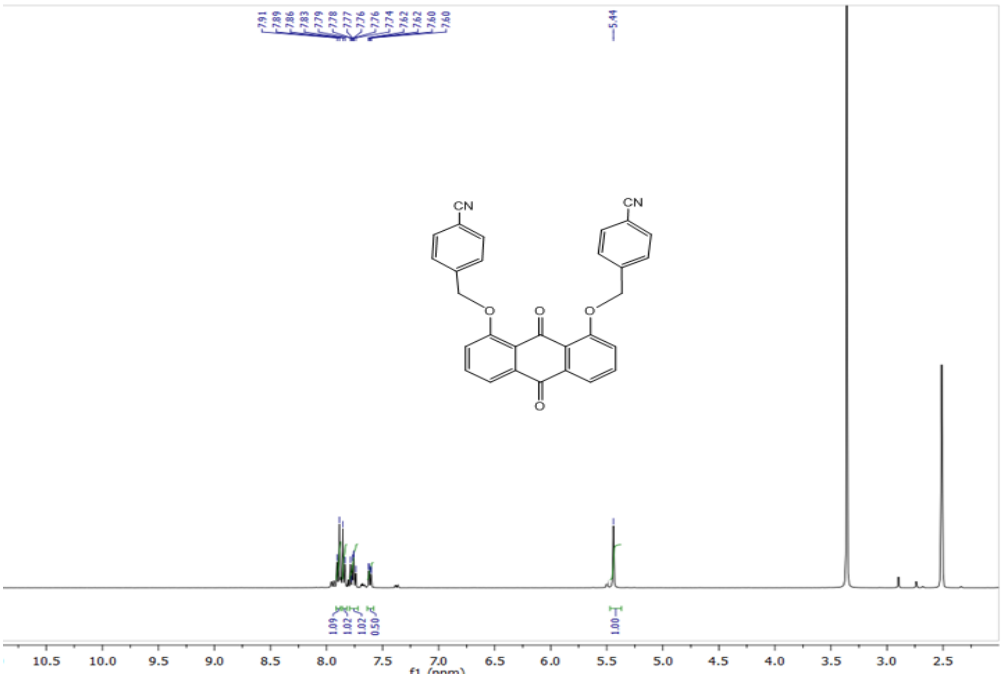

Figure 22. ^{1}H-NMR of compound **8** (DMSO-d_6, 400 MHz)

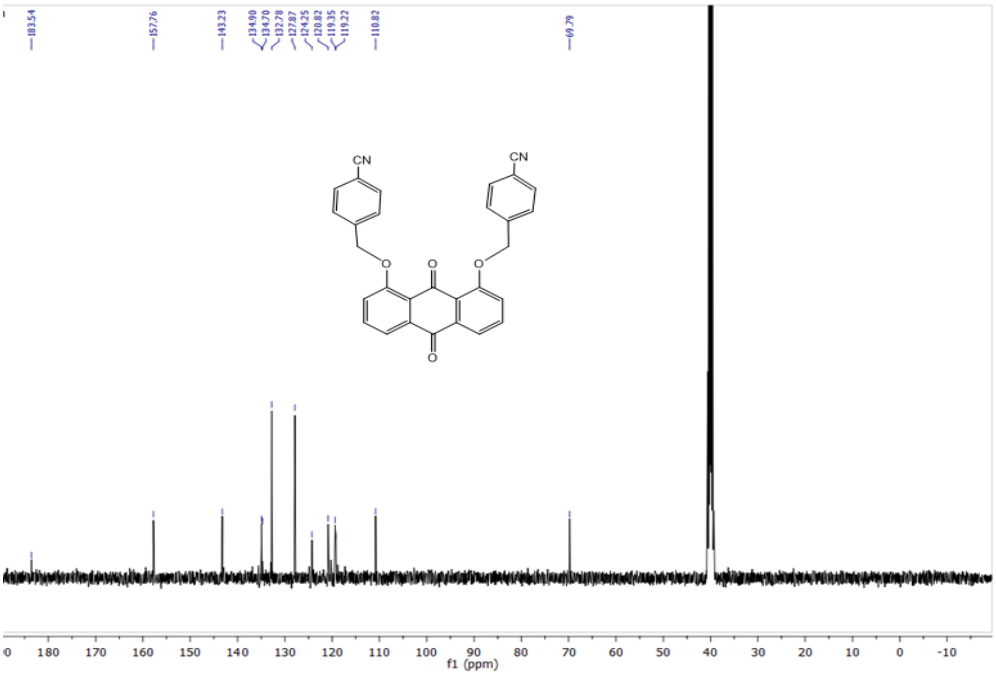

Figure 23. ^{13}C-NMR of compound **8** (DMSO-d_6, 400 MHz)

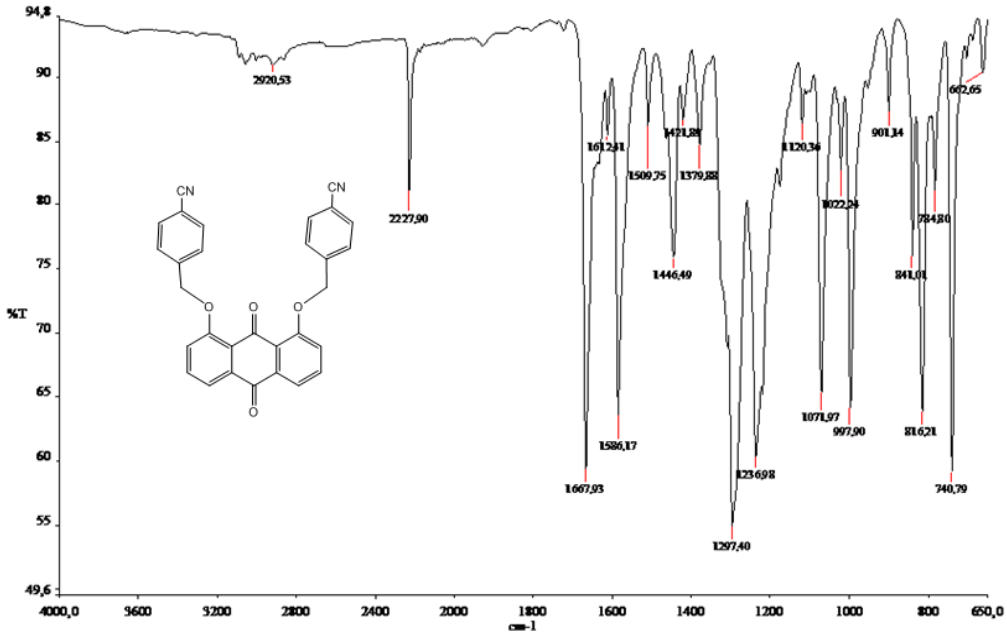

Figure 24. IR of compound **8**

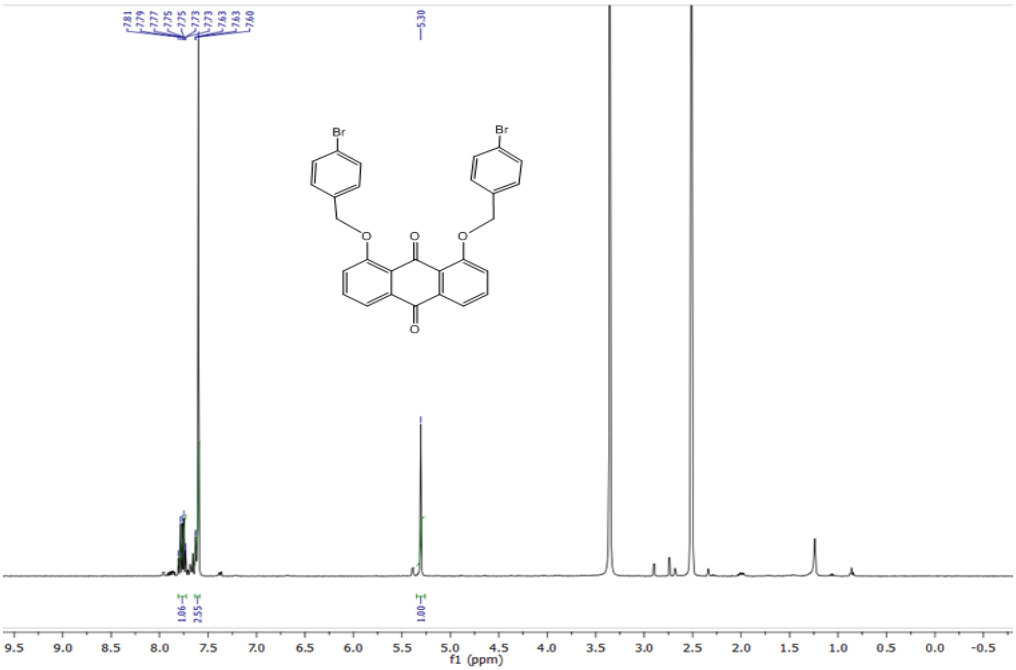

Figure 25. ^{1}H-NMR of compound **9** (DMSO-d_6, 400 MHz)

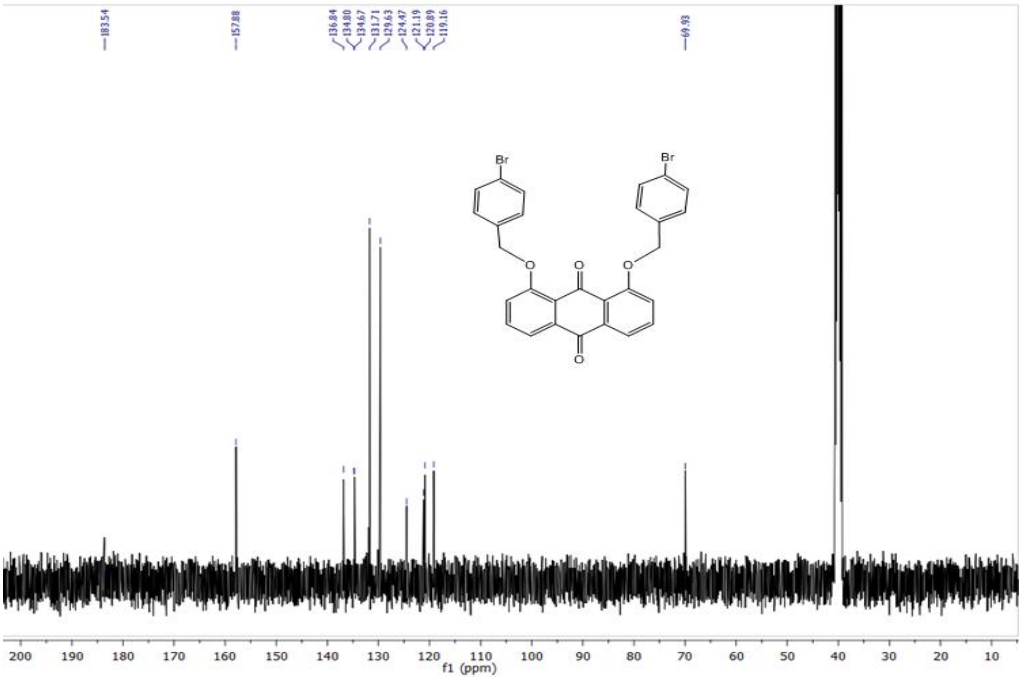

Figure 26. ^{13}C-NMR of compound **9** (DMSO-d_6, 400 MHz)

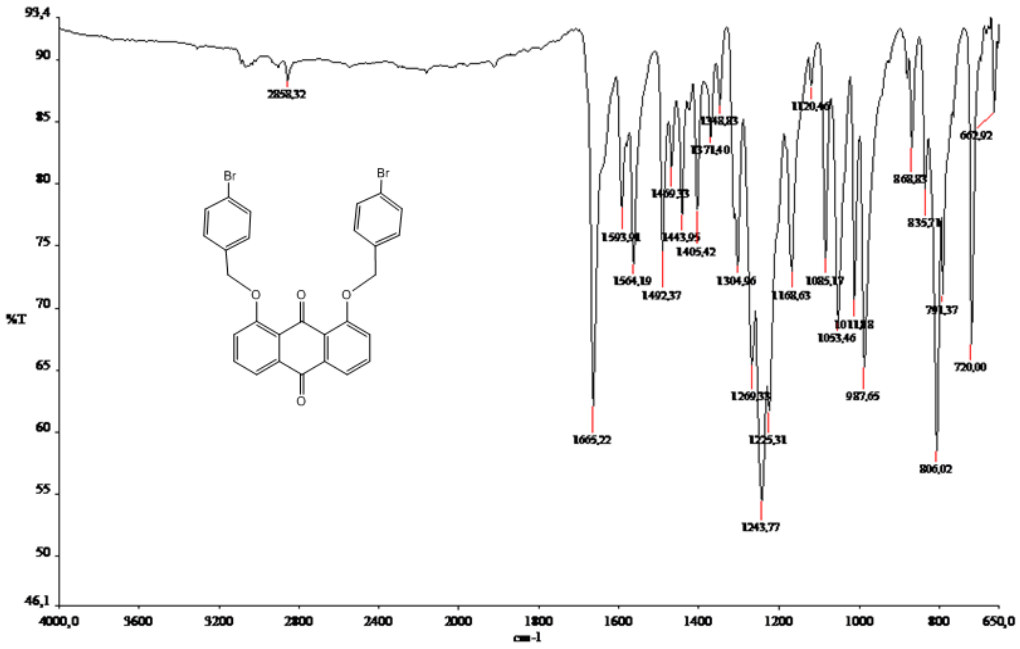

Figure 27. IR of compound **9**

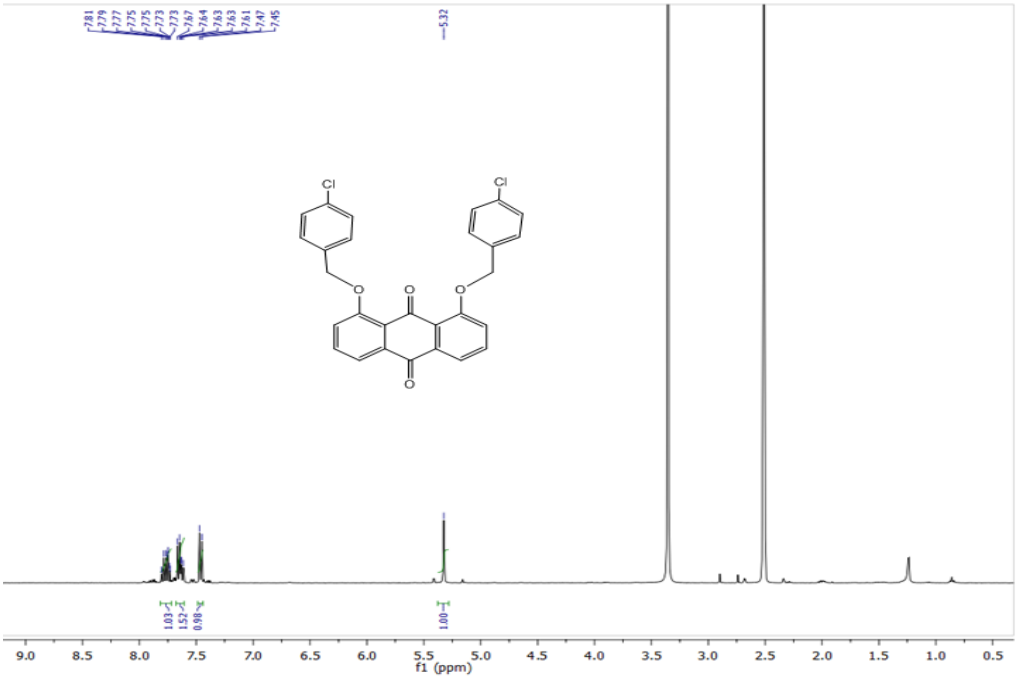

Figure 28. ^{1}H-NMR of compound **10** (DMSO-d_6, 400 MHz)

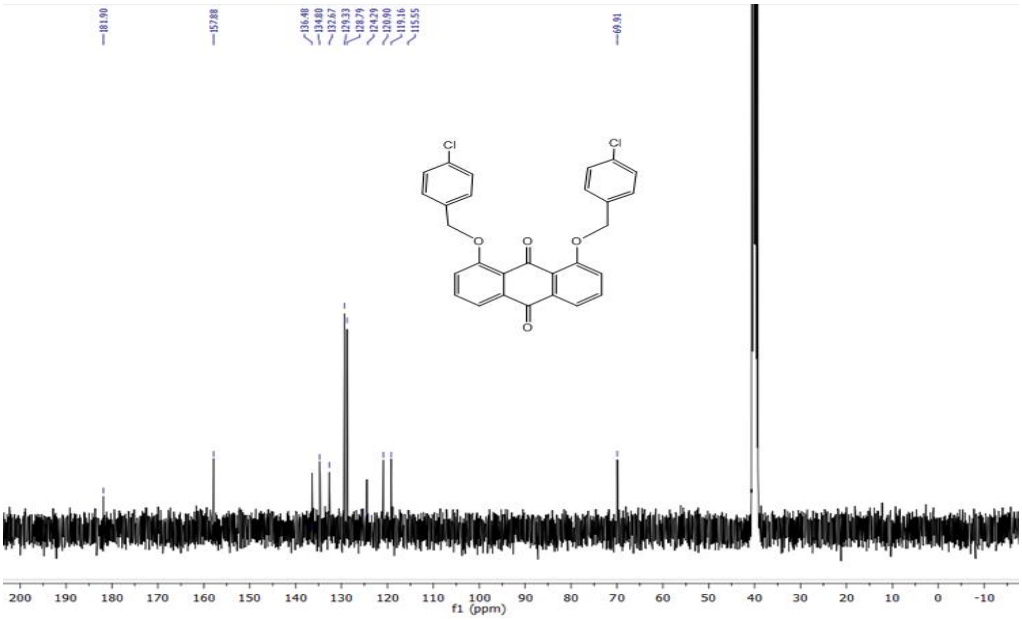

Figure 29. ^{13}C-NMR of compound **10** (DMSO-d$_6$, 400 MHz)

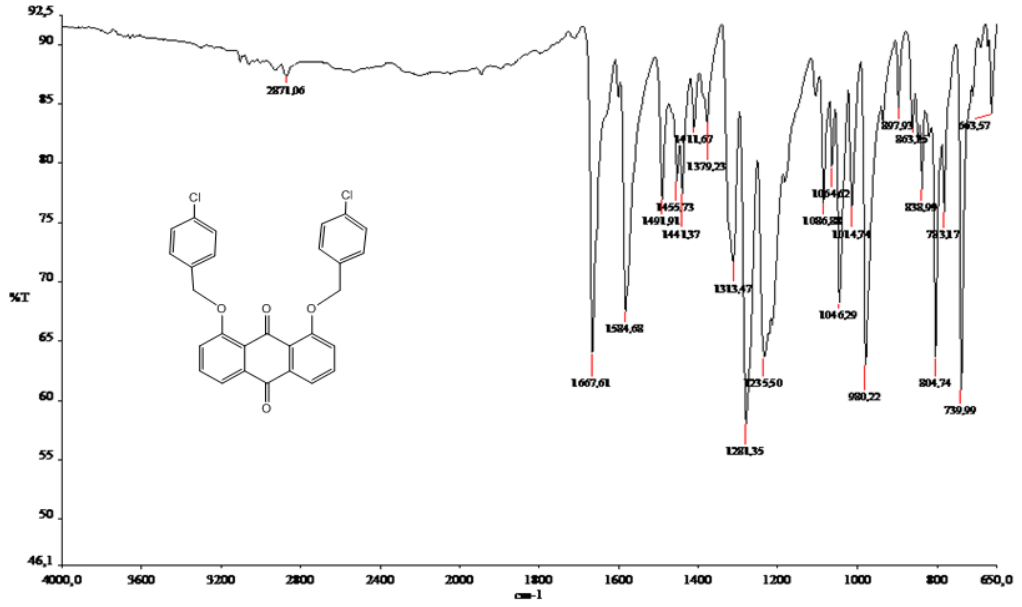

Figure 30. IR of compound **10**

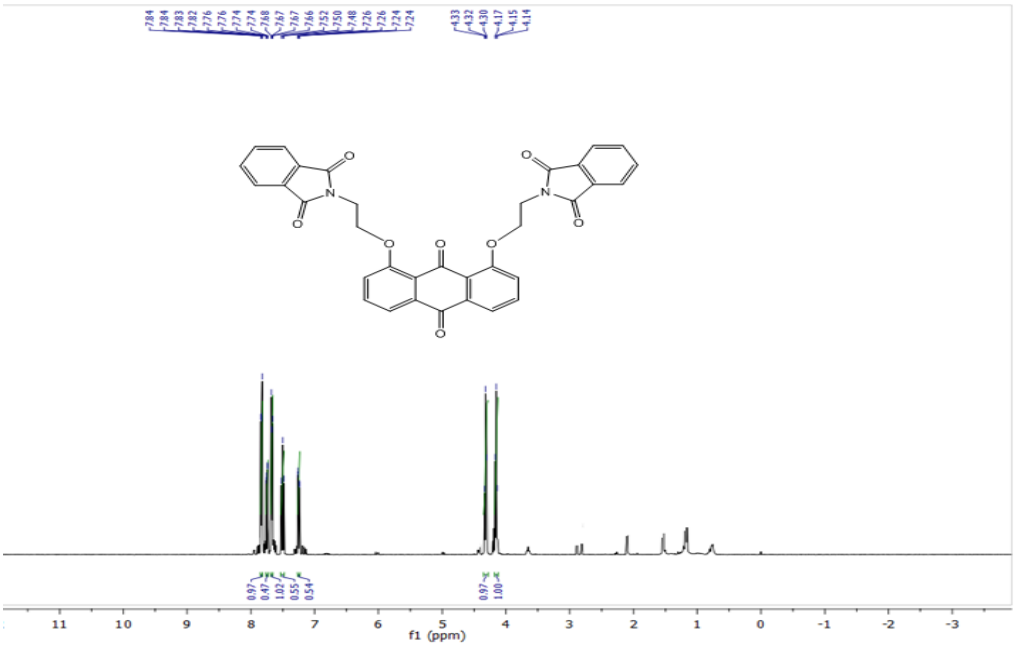

Figure 31. ^{1}H-NMR of compound **11** ($CDCl_3$, 400 MHz)

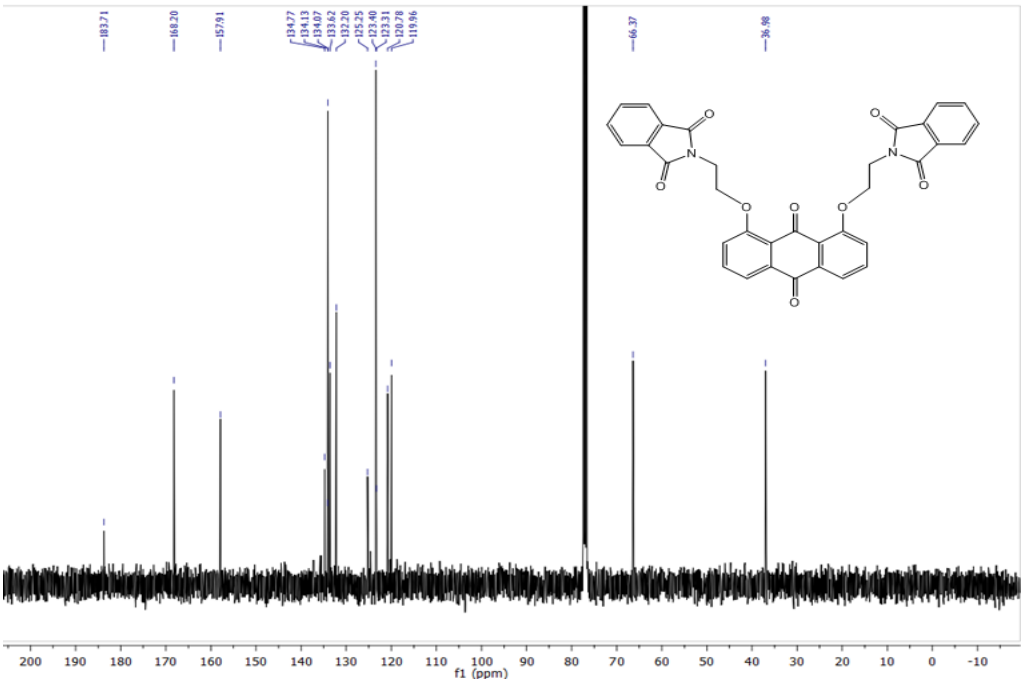

Figure 32. ^{13}C-NMR of compound **11** ($CDCl_3$, 100 MHz)

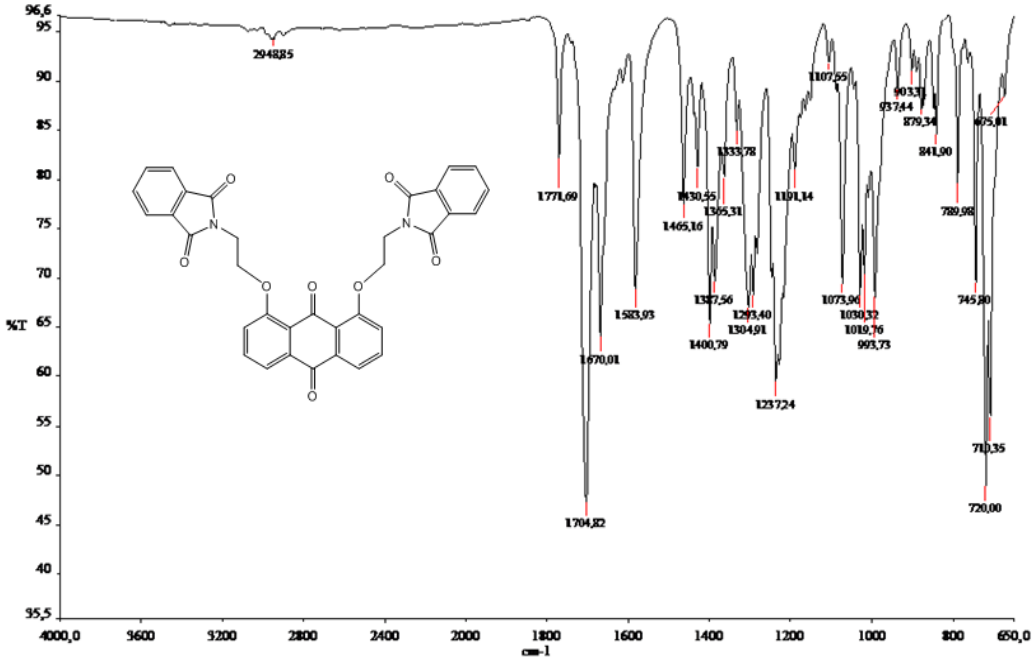

Figure 33. IR of compound **11**