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Supplementary Information

Appel Reaction of Carboxylic Acids with Tribromoisocyanuric Acid/ Triphenylphosphine: a Mild and Acid-Free Preparation of Esters and Amides

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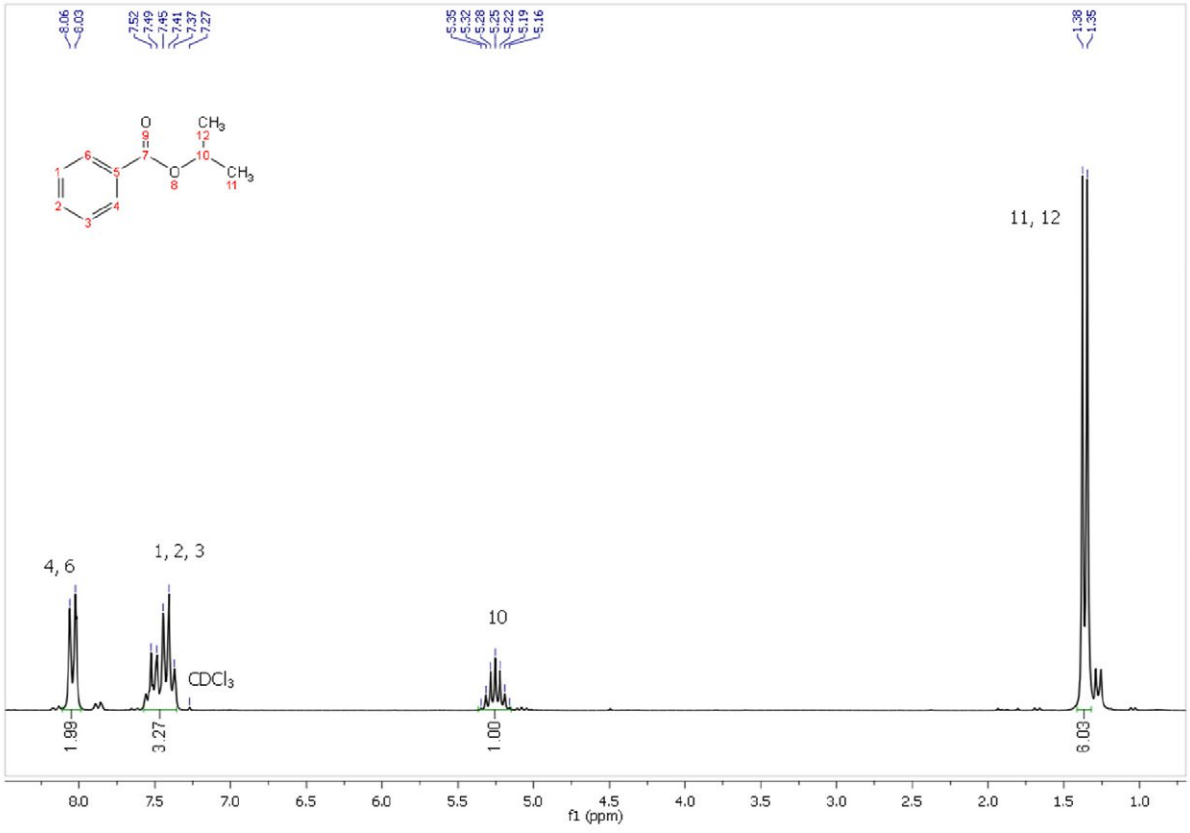

Figure S1. ^{1}H NMR spectrum (200 MHz, $CDCl_3$) of isopropyl benzoate.

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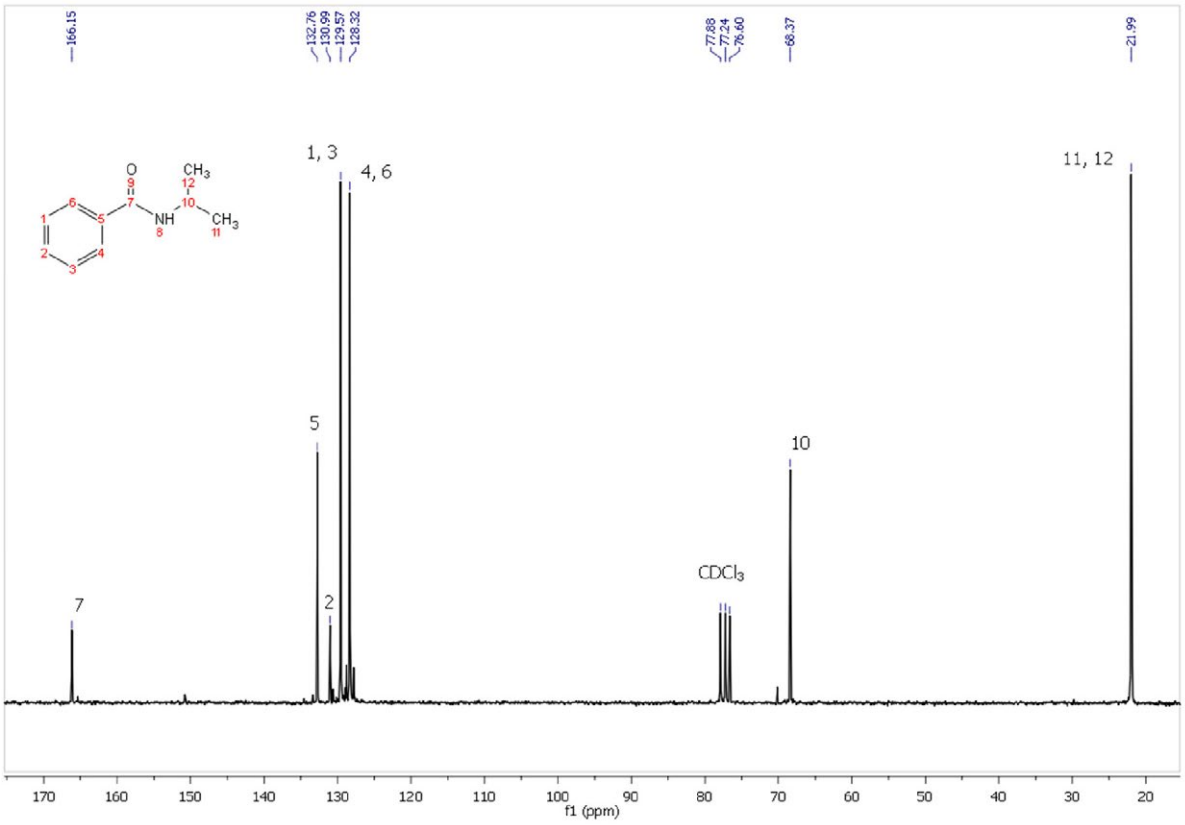

Figure S2. ^{13}C NMR spectrum (50 MHz, $CDCl_3$) of isopropyl benzoate.

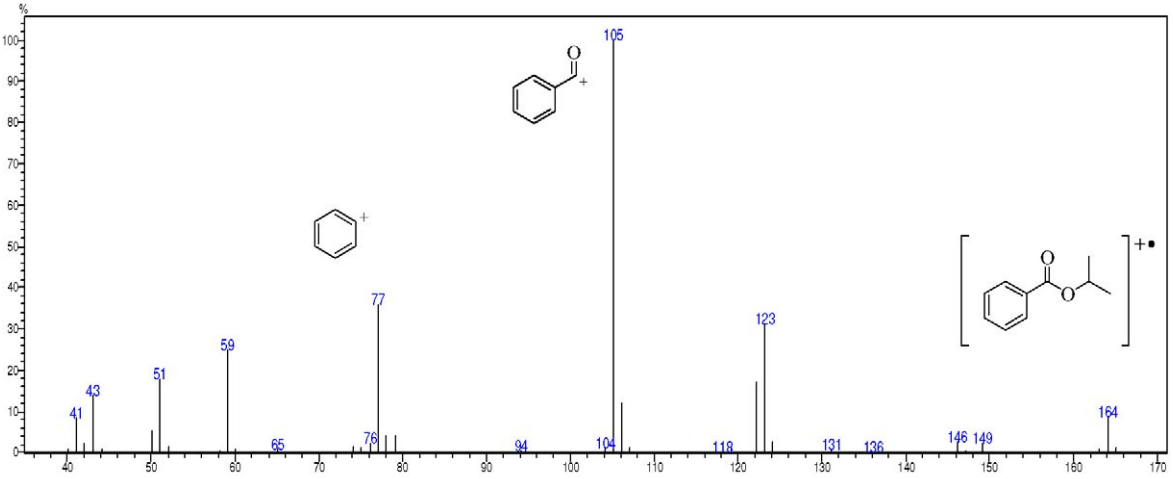

Figure S3. Mass spectrum (70 eV) of isopropyl benzoate.

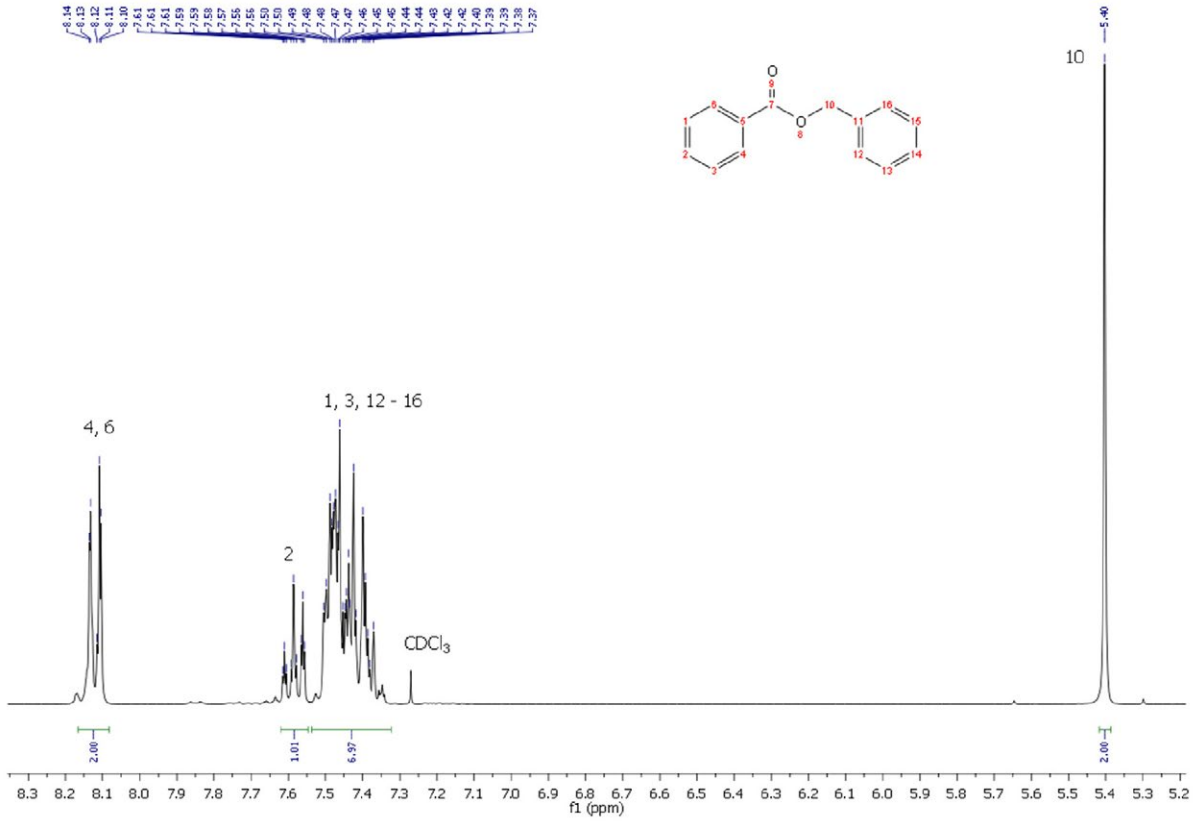

Figure S4. ^{1}H NMR spectrum (300 MHz, $CDCl_3$) of benzyl benzoate.

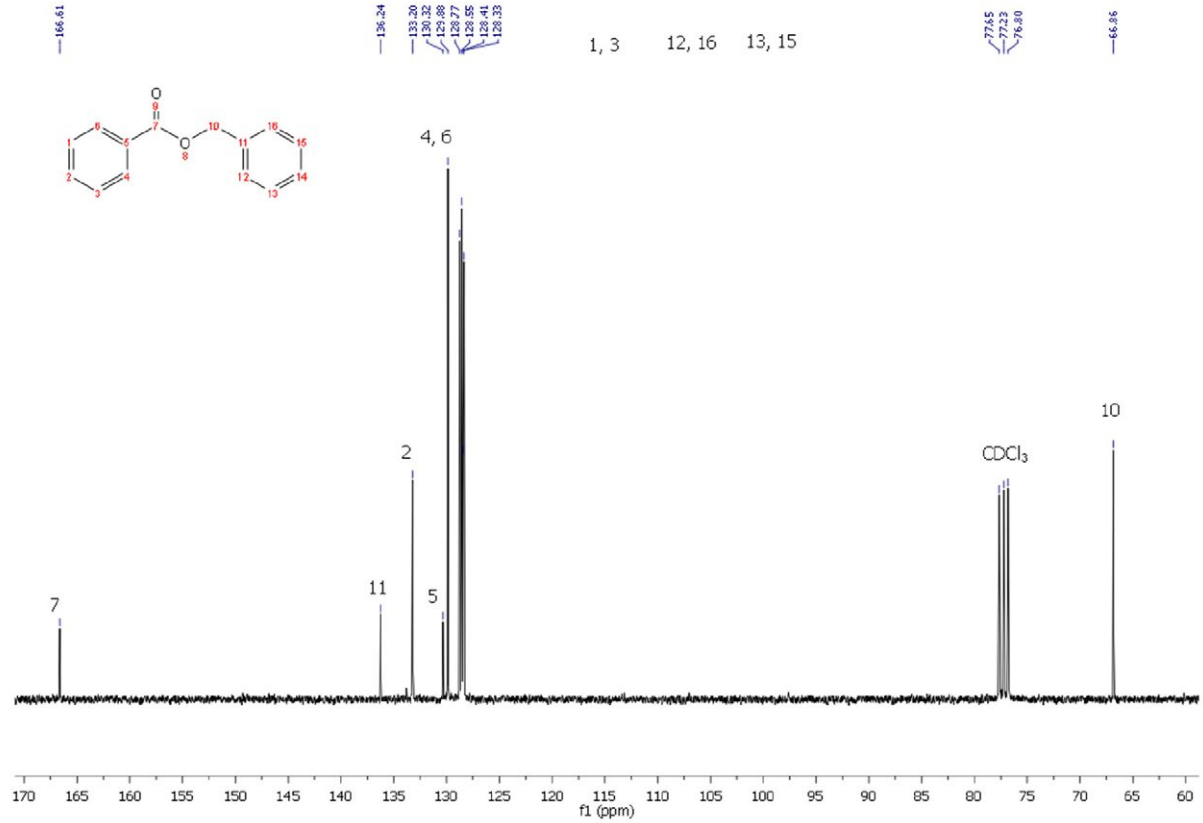

Figure S5. ^{13}C NMR spectrum (300 MHz, $CDCl_3$) of benzyl benzoate.

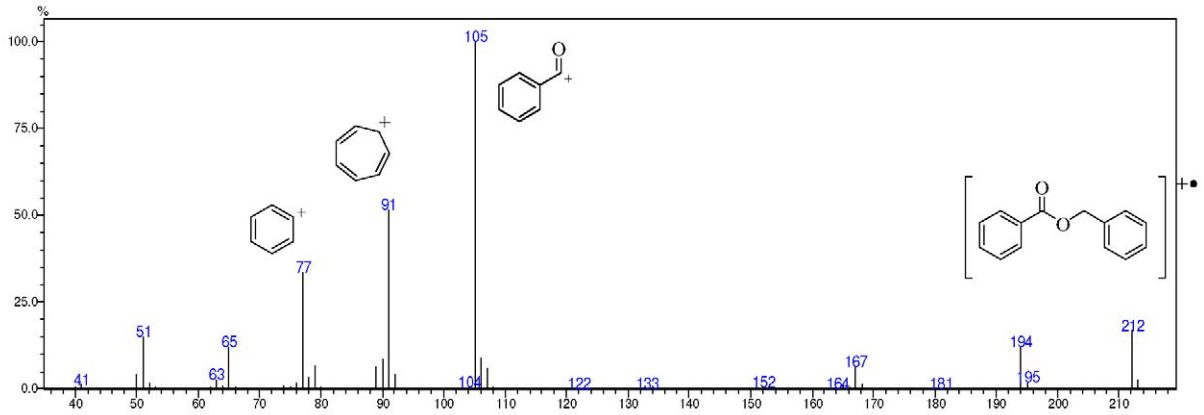

Figure S6. Mass spectrum (70 eV) of benzyl benzoate.

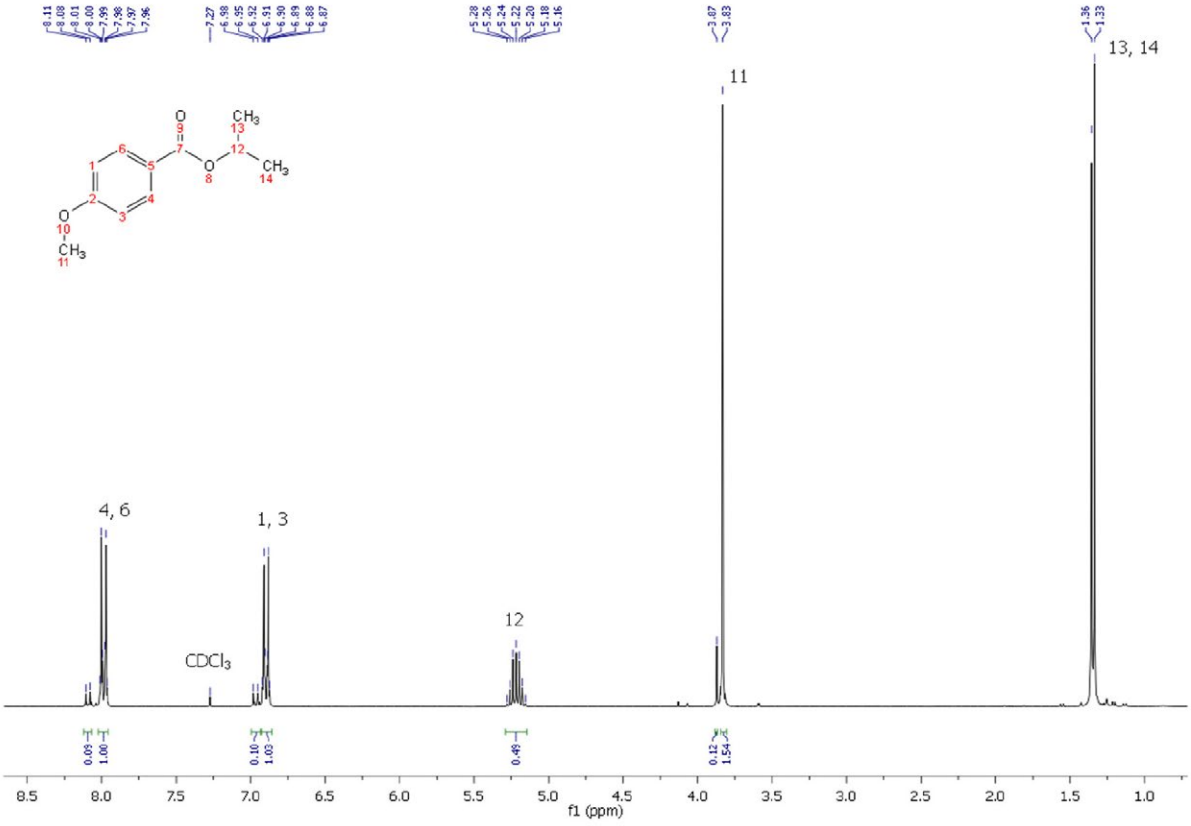

Figure S7. ^{1}H NMR spectrum (300 MHz, $CDCl_3$) of isopropyl 4-methoxybenzoate.

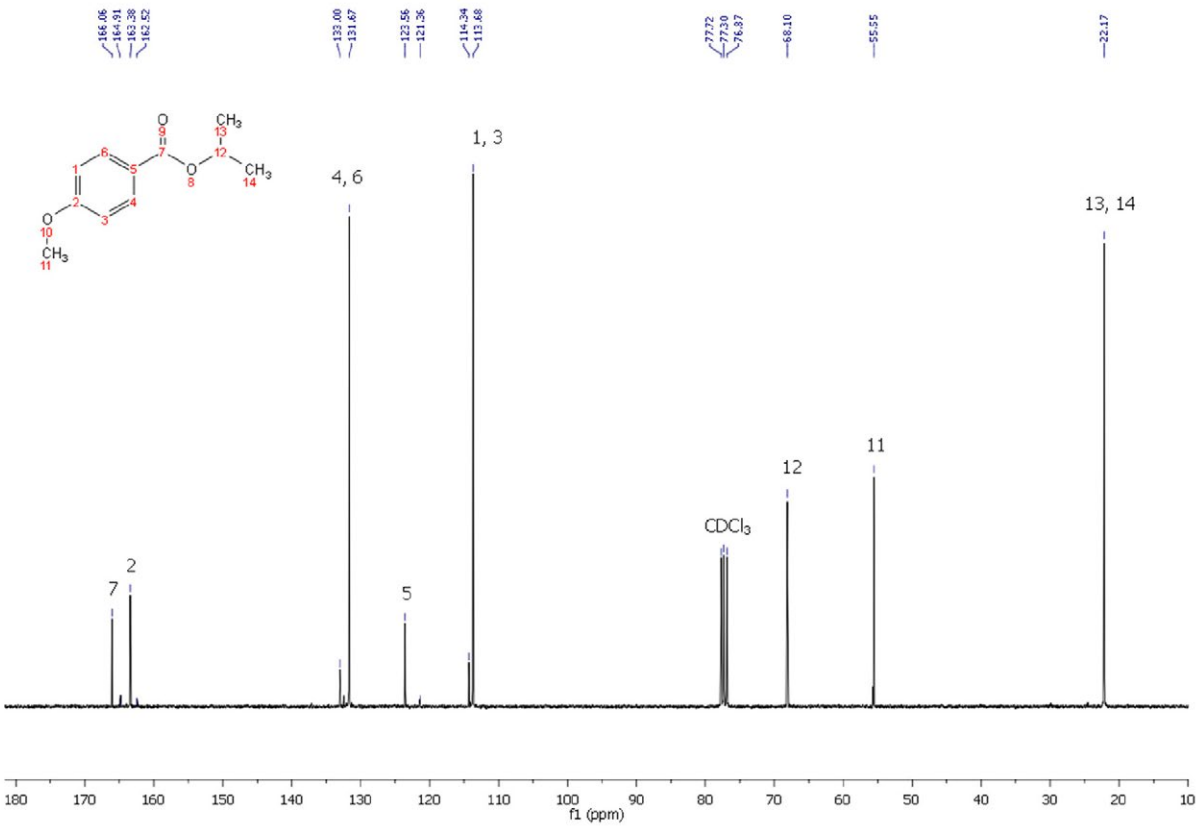

Figure S8. ^{13}C NMR spectrum (75 MHz, $CDCl_3$) of isopropyl 4-methoxybenzoate.

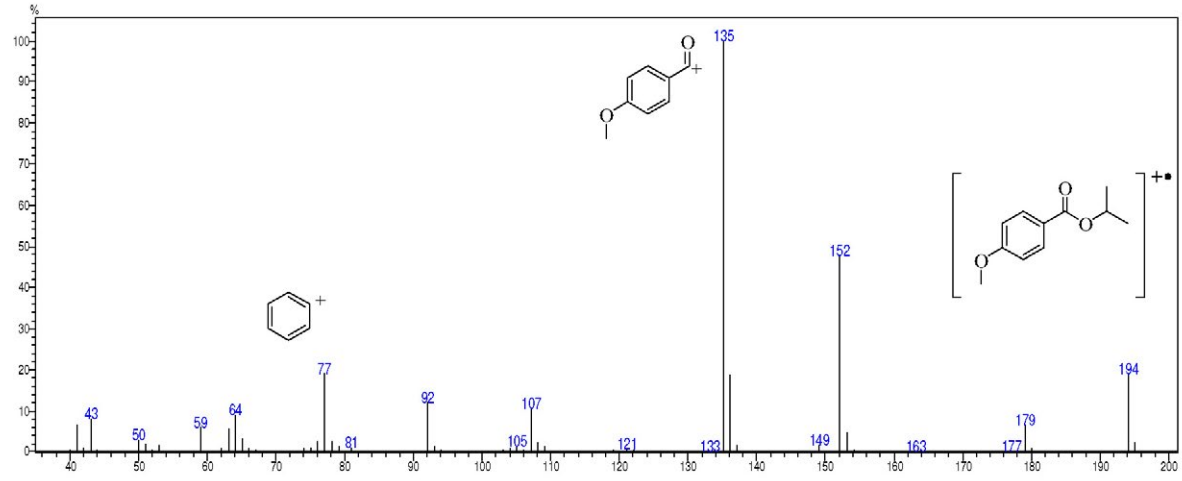

Figure S9. Mass spectrum (70 eV) of isopropyl 4-methoxybenzoate.

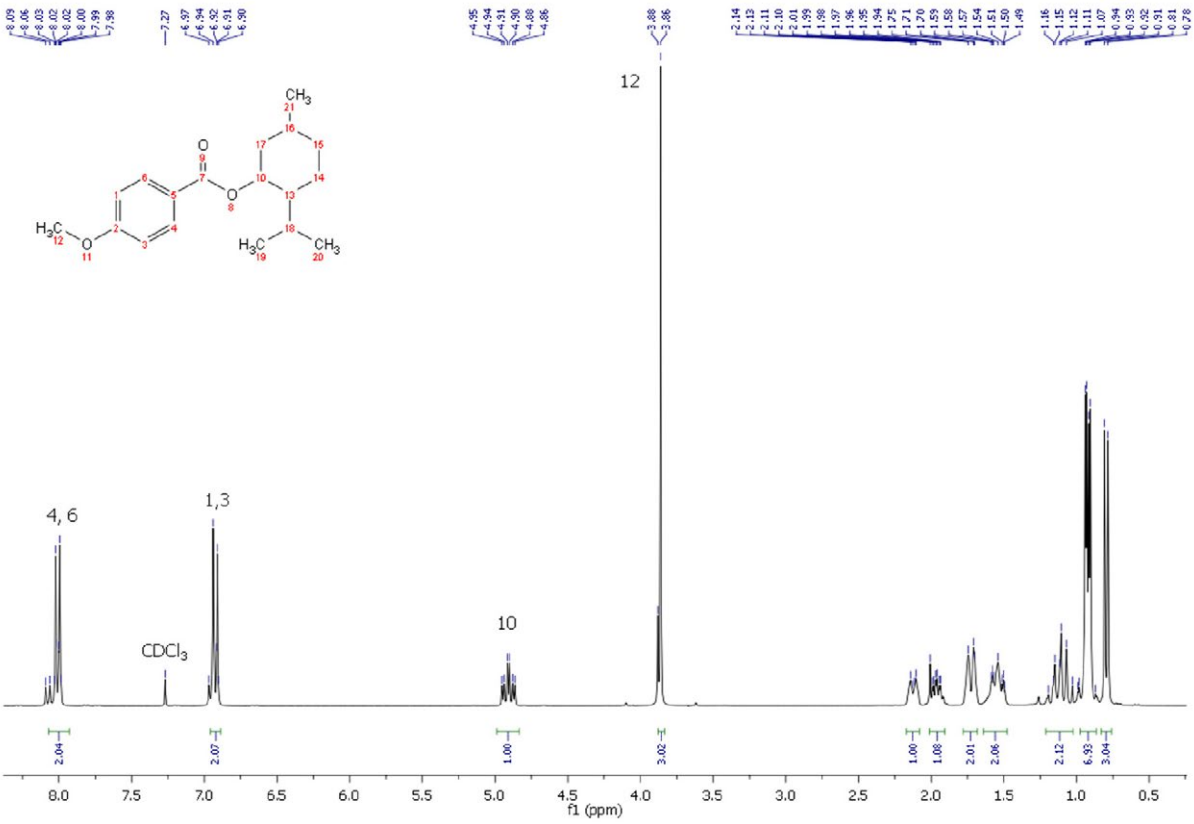

Figure S10. ^{1}H NMR spectrum (300 MHz, $CDCl_3$) of methyl 4-methoxybenzoate.

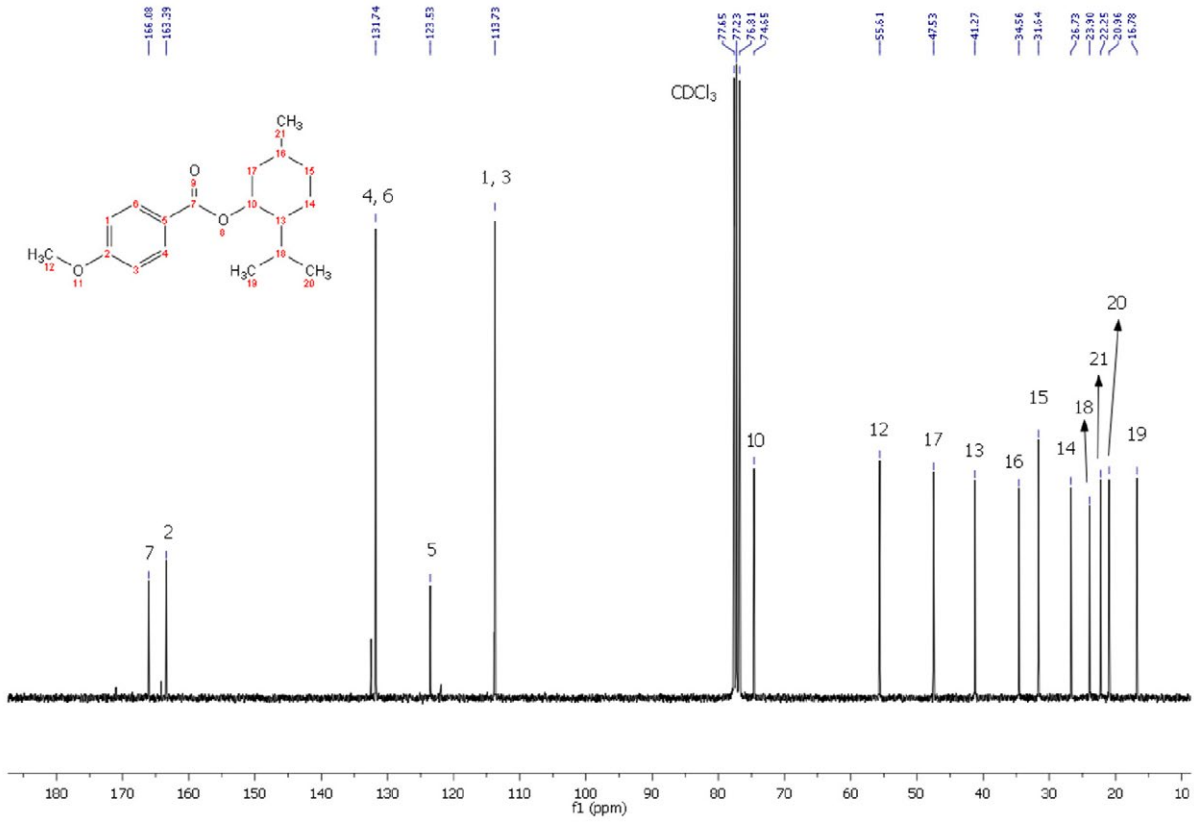

Figure S11. ^{13}C NMR spectrum (75 MHz, $CDCl_3$) of methyl 4-methoxybenzoate.

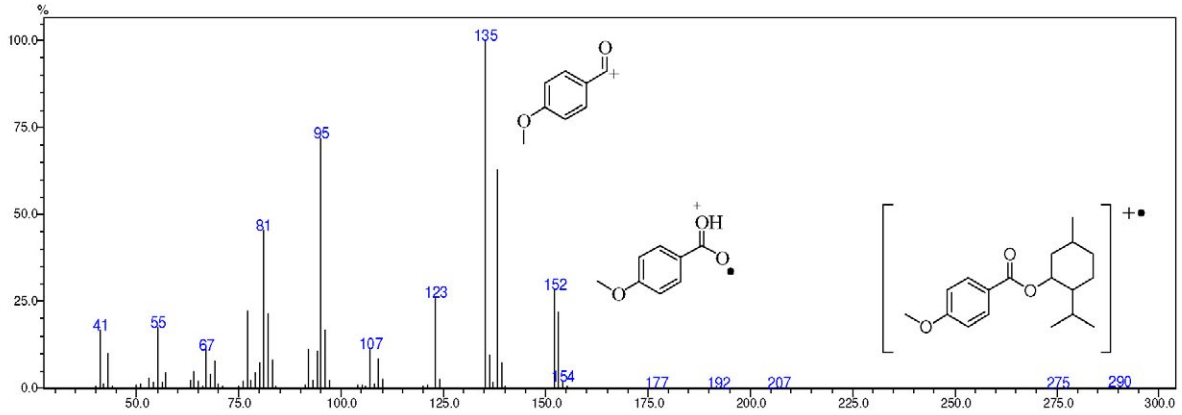

Figure S12. Mass spectrum (70 eV) of methyl 4-methoxybenzoate.

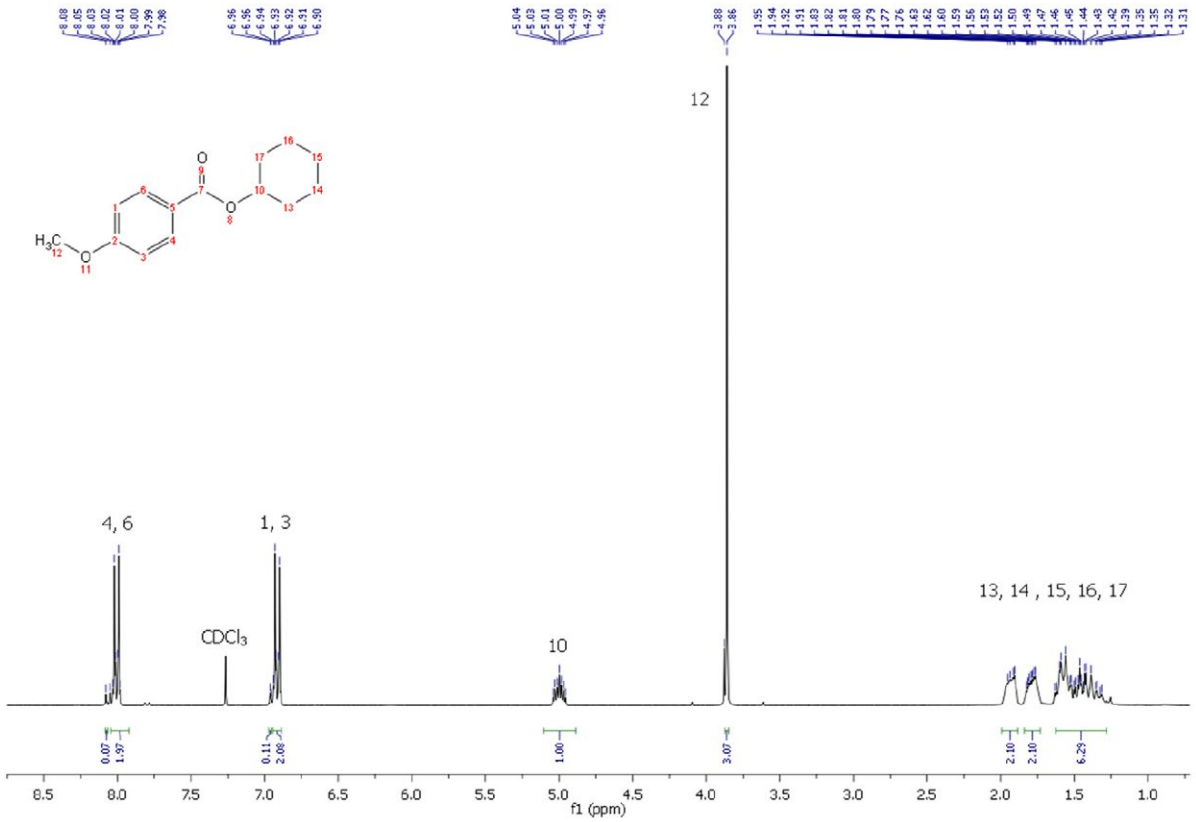

Figure S13. ^{1}H NMR spectrum (300 MHz, $CDCl_3$) of cyclohexyl 4-methoxybenzoate.

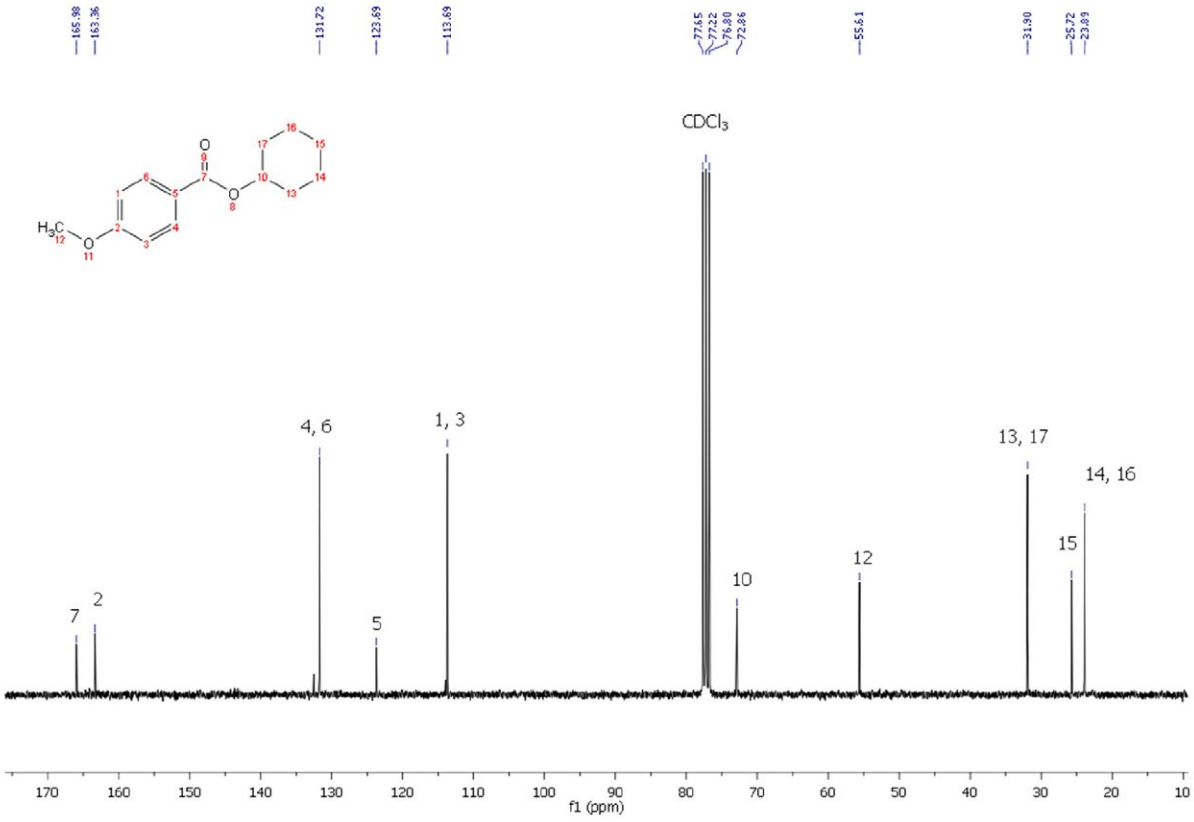

Figure S14. ^{13}C NMR spectrum (75 MHz, $CDCl_3$) of cyclohexyl 4-methoxybenzoate.

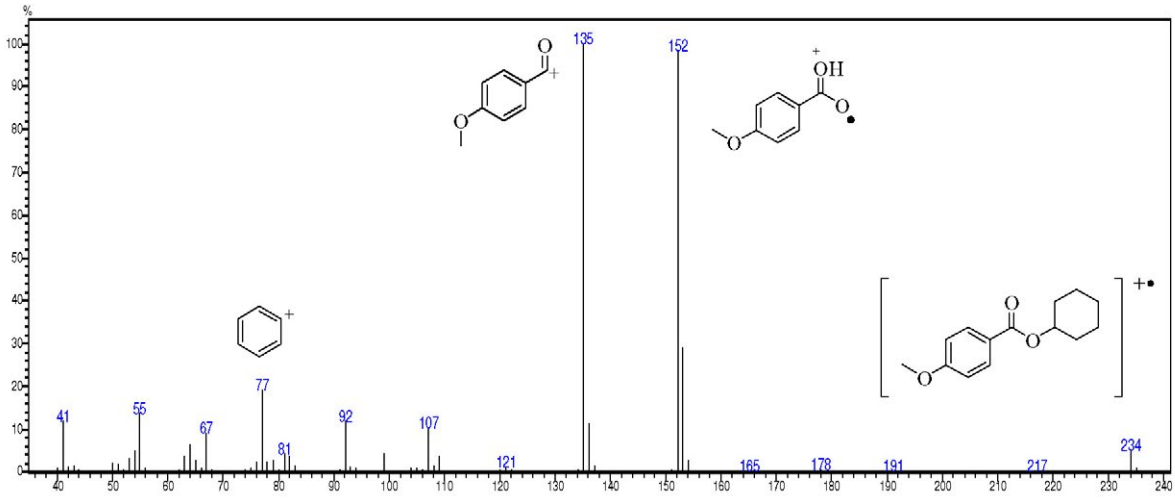

Figure S15. Mass spectrum (70 eV) of cyclohexyl 4-methoxybenzoate.

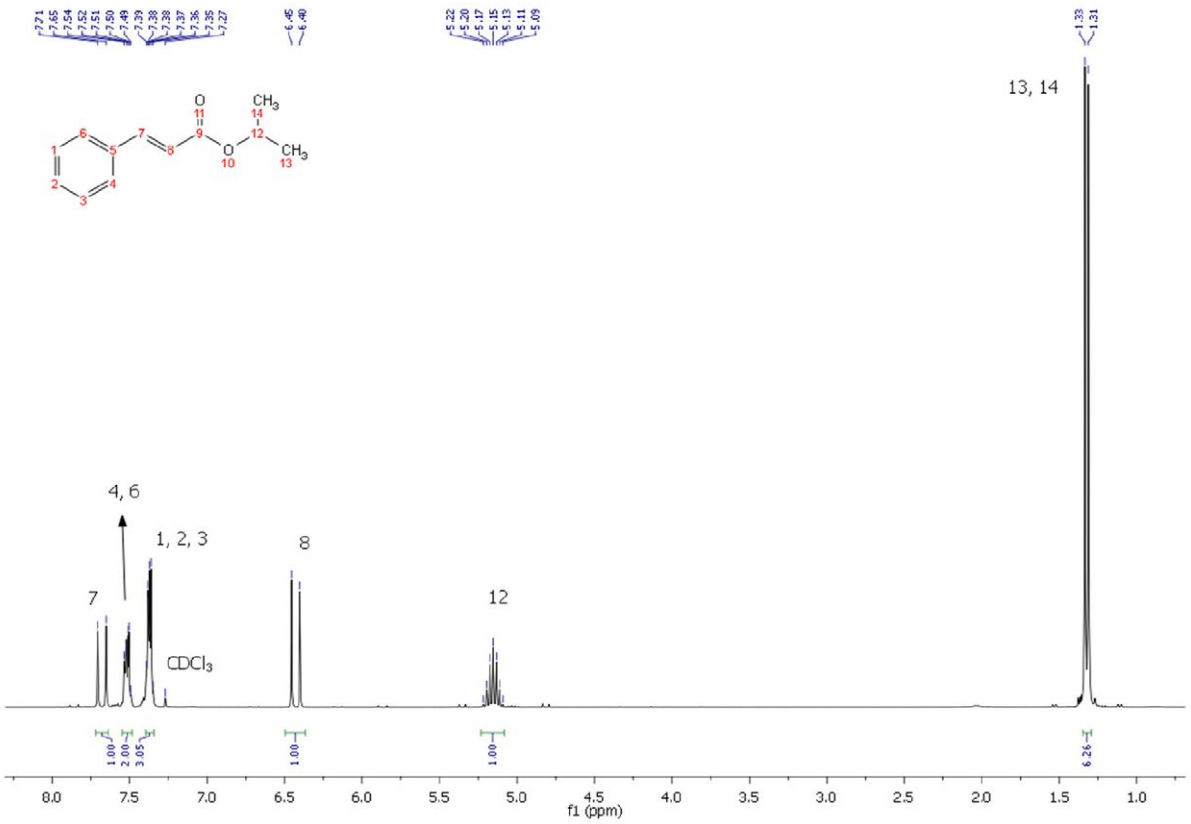

Figure S16. ^{1}H NMR spectrum (300 MHz, $CDCl_3$) of isopropyl cinnamate.

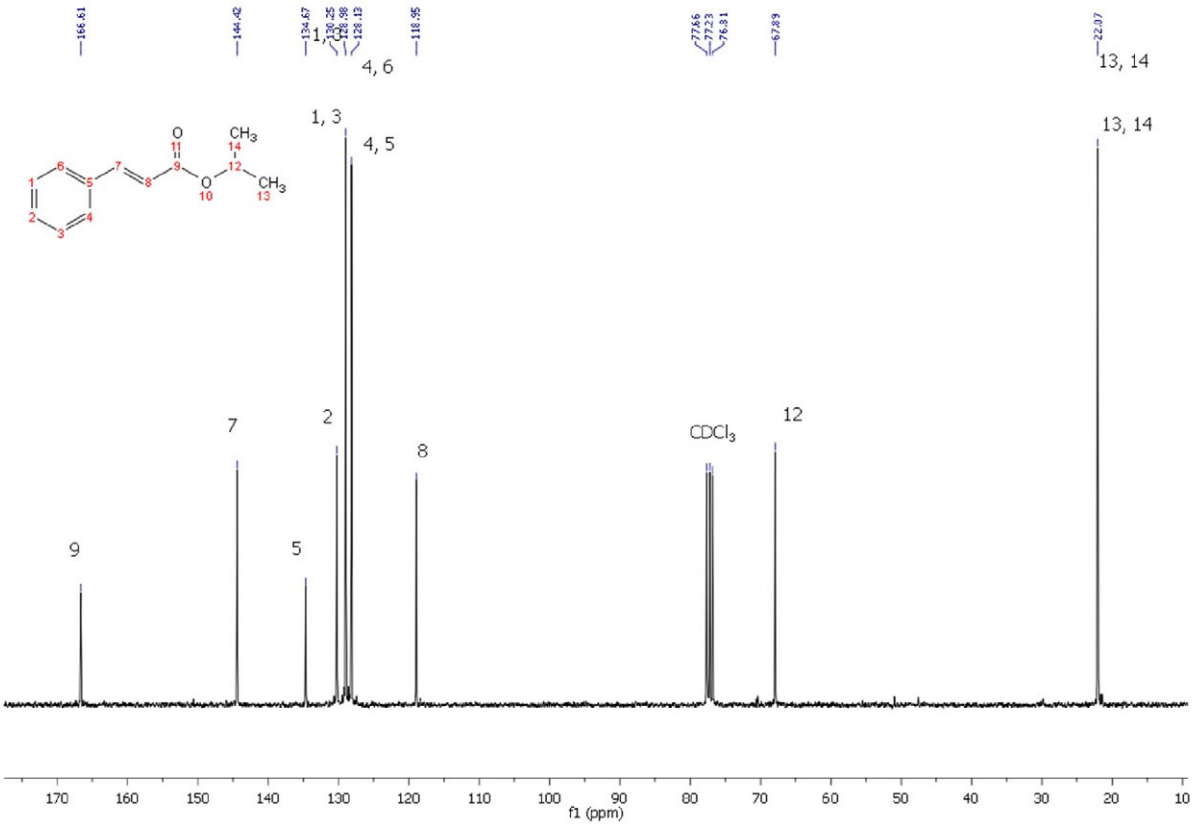

Figure S17. ^{13}C NMR spectrum (75 MHz, $CDCl_3$) of isopropyl cinnamate.

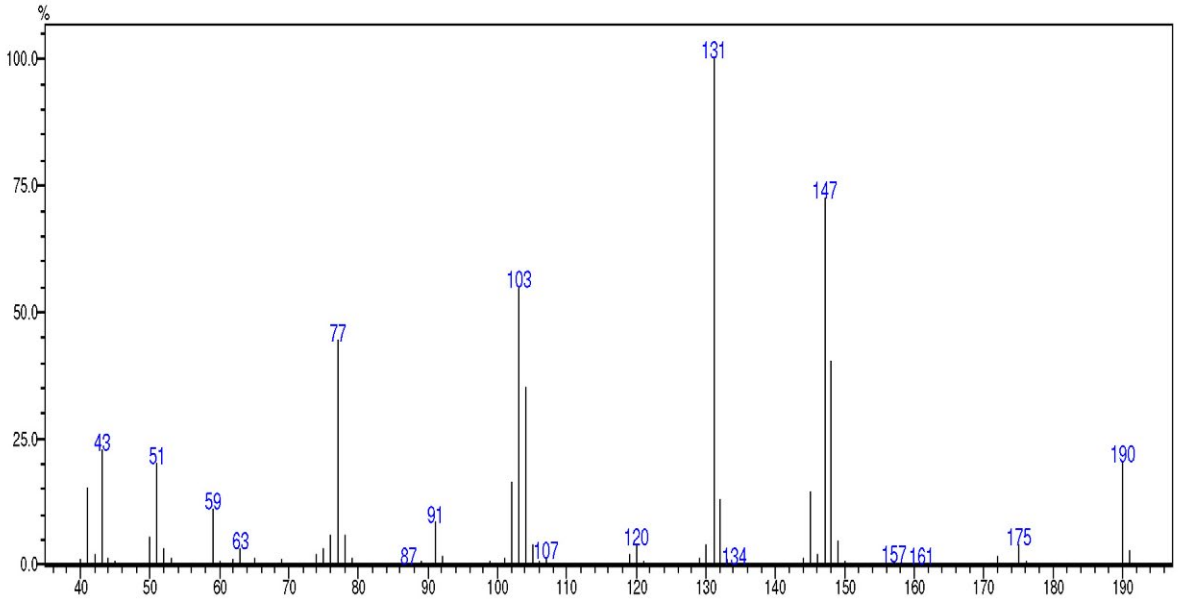

Figure S18. Mass spectrum (70 eV) of isopropyl cinnamate.

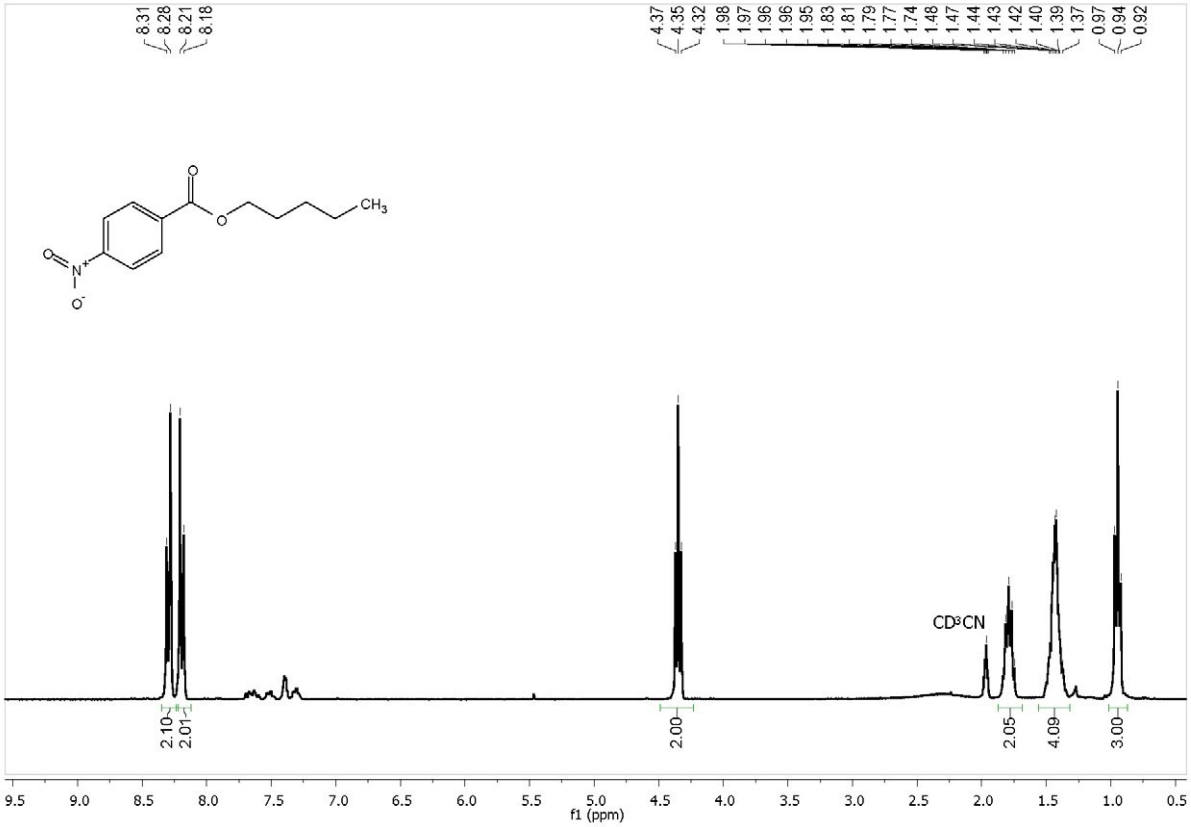

Figure S19. ^{1}H NMR spectrum (300 MHz, CD_3CN) of pentyl 4-nitrobenzoate.

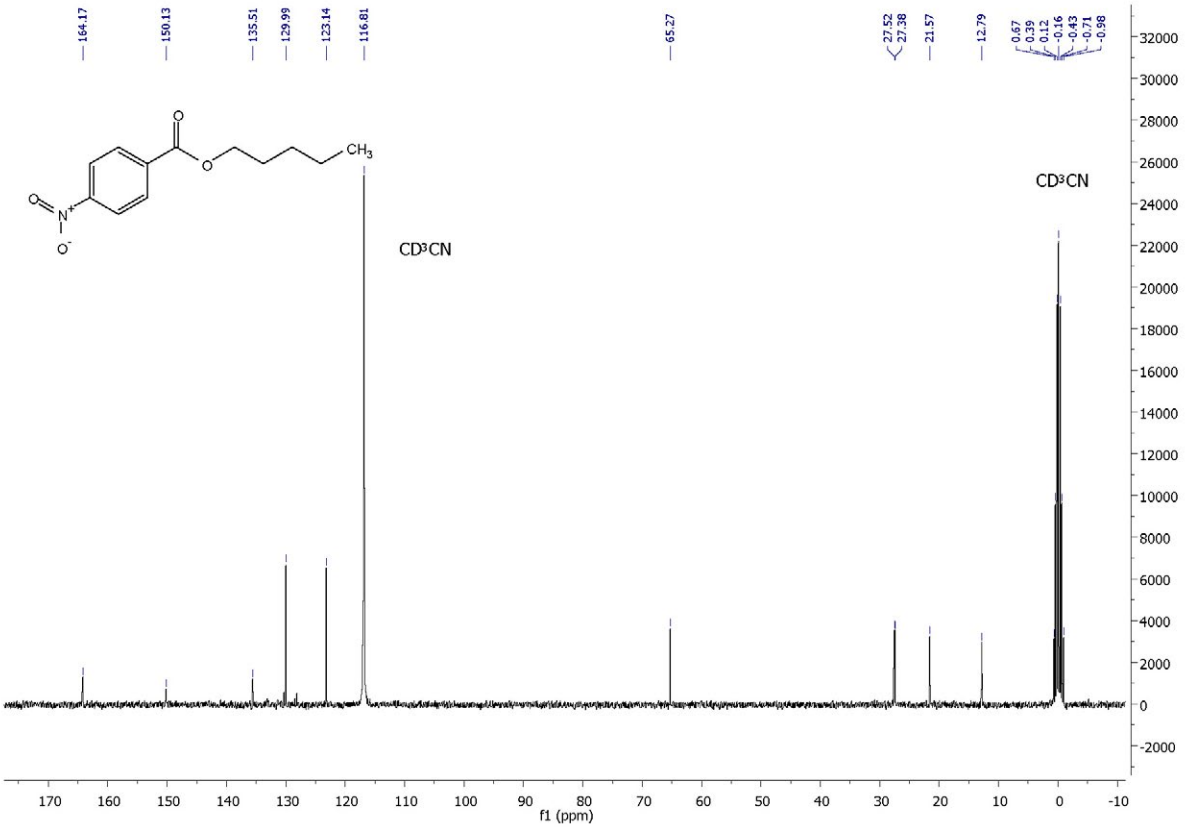

Figure S20. ^{13}C NMR spectrum (75 MHz, CD_3CN) of pentyl 4-nitrobenzoate.

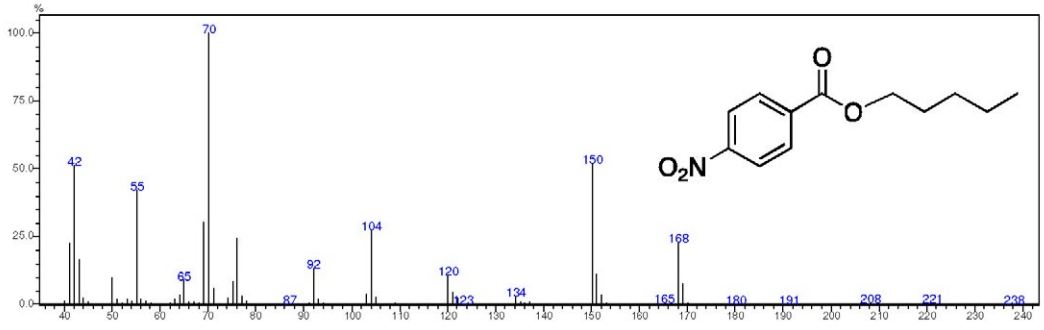

Figure S21. Mass spectrum (70 eV) of pentyl 4-nitrobenzoate.

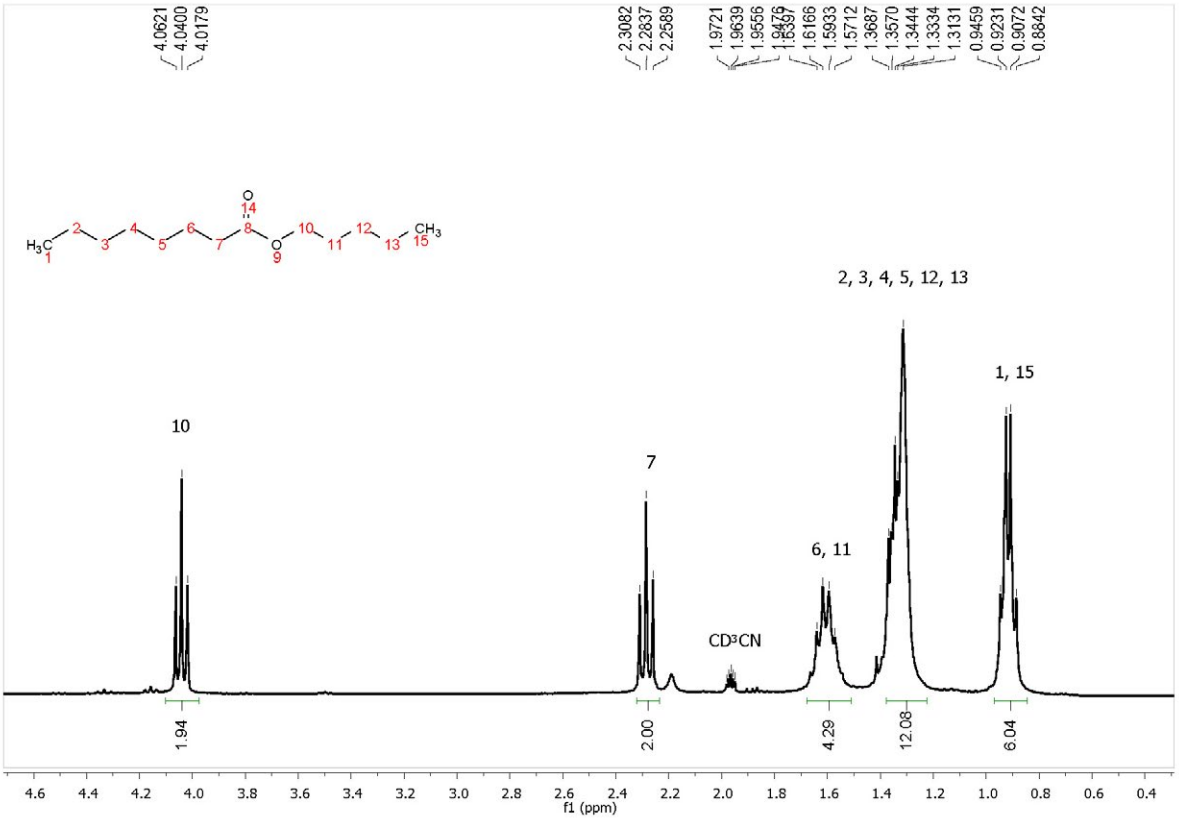

Figure S22. ^{1}H NMR spectrum (300 MHz, CD_3CN) of pentyl octanoate.

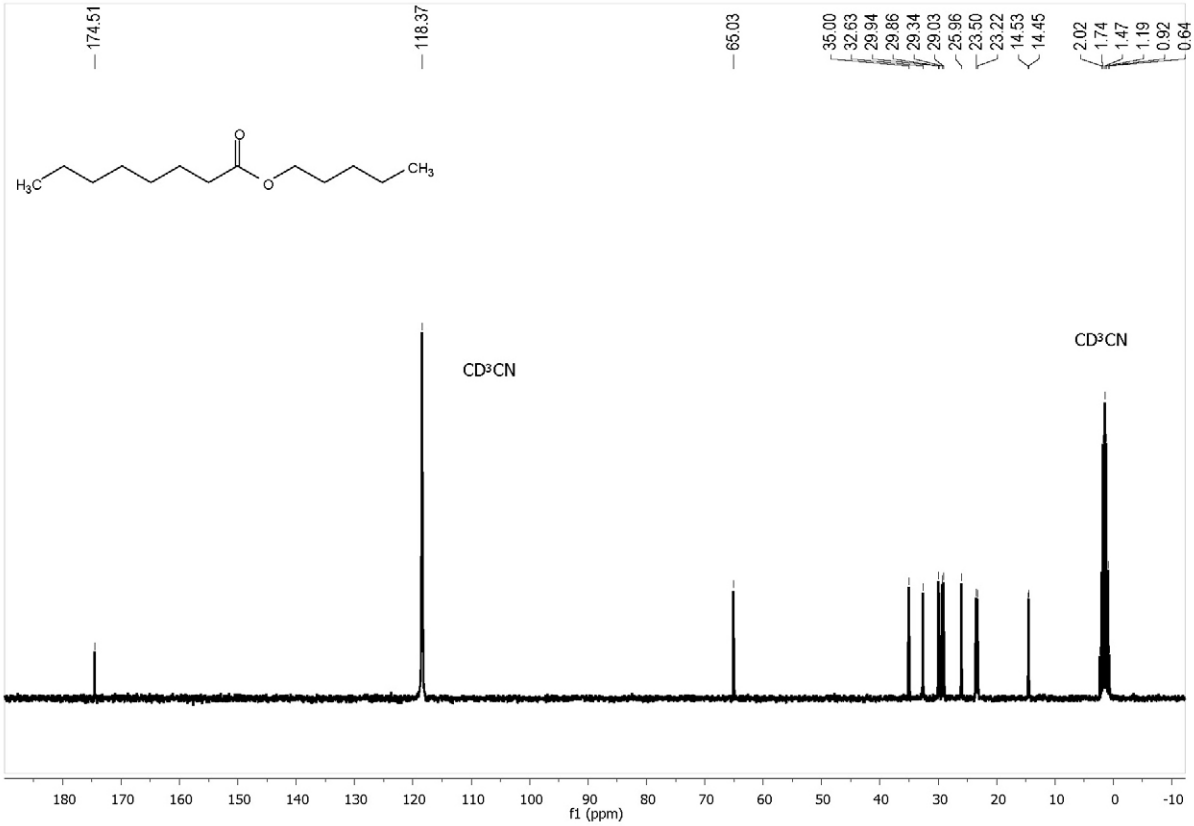

Figure S23. ^{13}C NMR spectrum (75 MHz, CD_3CN) of pentyl octanoate.

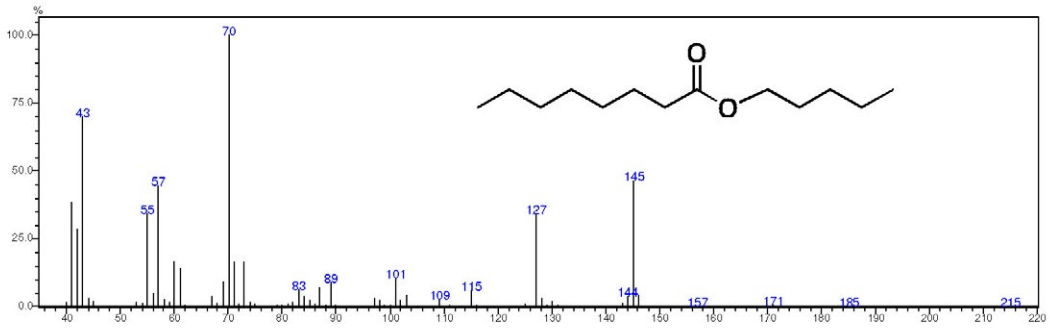

Figure S24. Mass spectrum (70 eV) of pentyl octanoate.

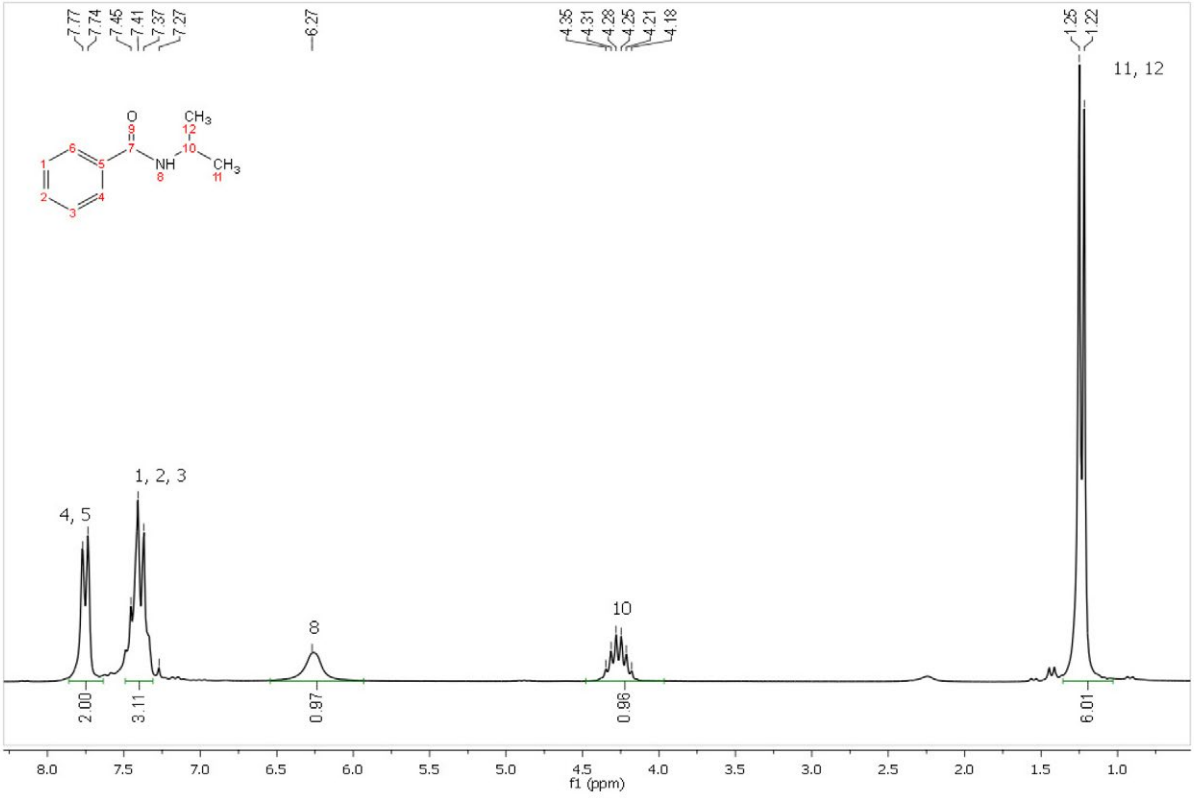

Figure S25. ^{1}H NMR spectrum (200 MHz, $CDCl_3$) of *N*-isopropyl-benzamide.

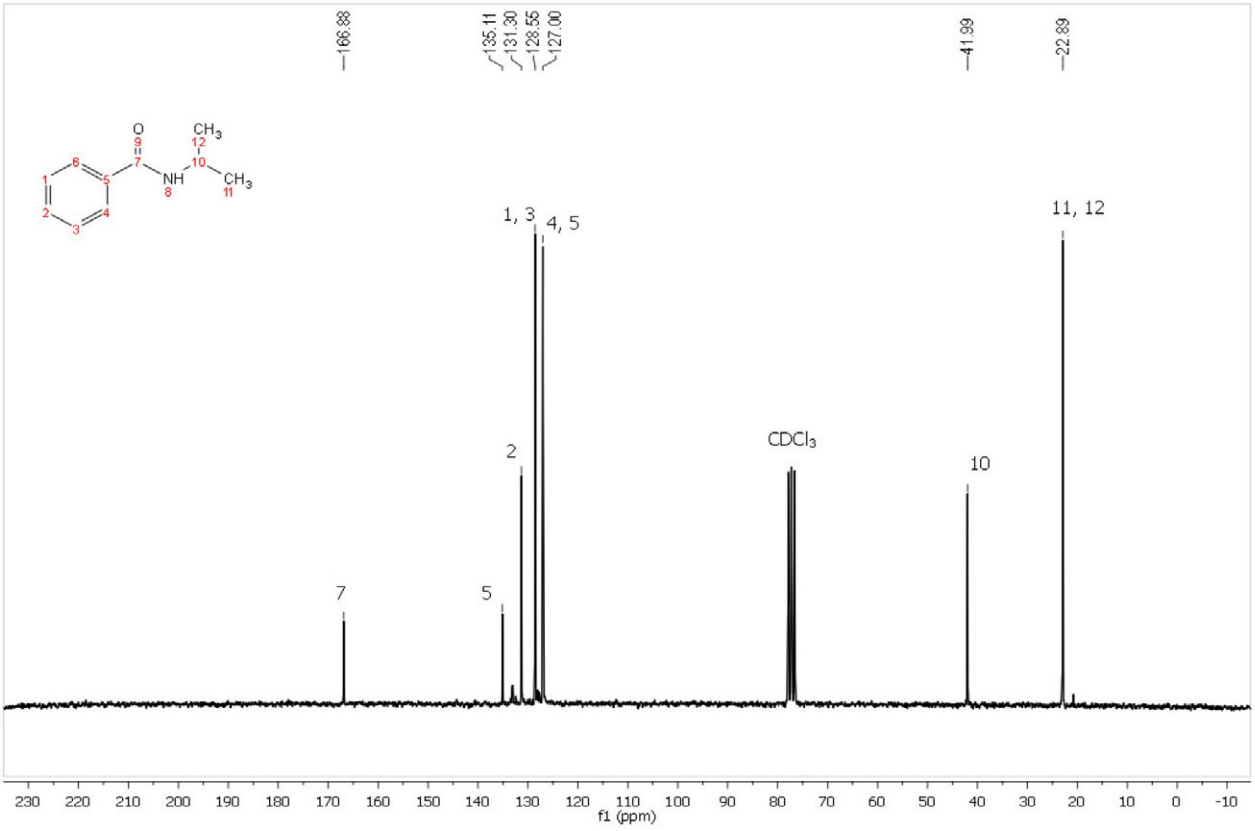

Figure S26. ^{13}C NMR spectrum (50 MHz, $CDCl_3$) of *N*-isopropyl-benzamide.

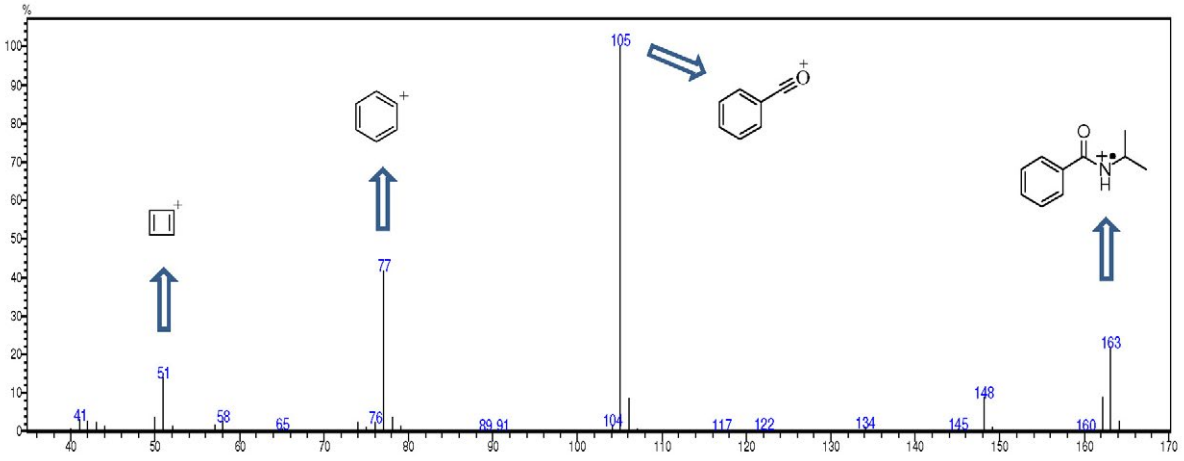

Figure S27. Mass spectrum (70 eV) of *N*-isopropyl-benzamide.

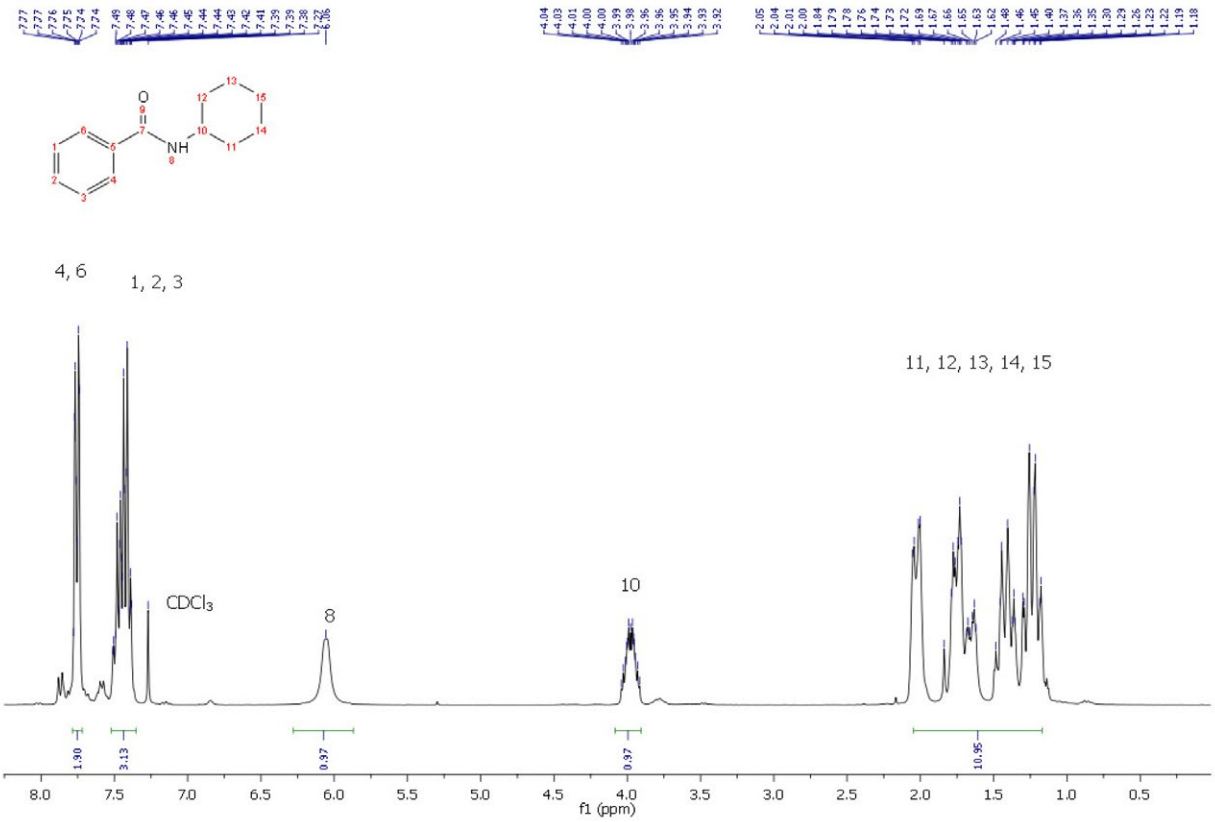

Figure S28. ^{1}H NMR spectrum (300 MHz, $CDCl_3$) of *N*-cyclohexyl-benzamide.

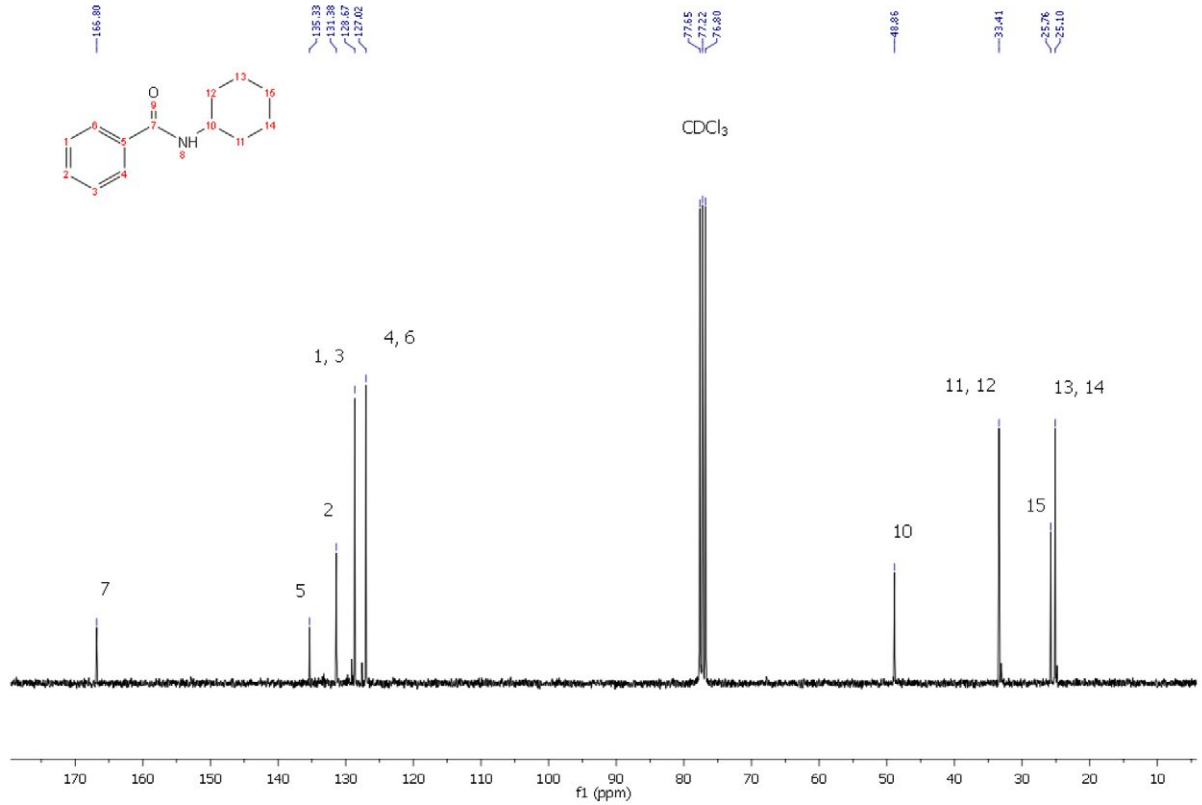

Figure S29. ^{13}C NMR spectrum (75 MHz, $CDCl_3$) of *N*-cyclohexyl-benzamide.

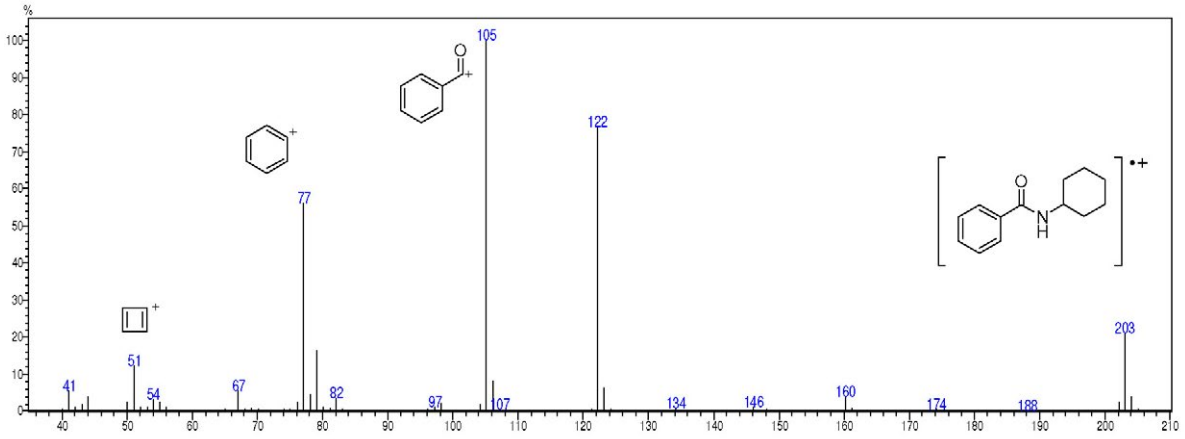

Figure S30. Mass spectrum (70 eV) of *N*-cyclohexyl-benzamide.

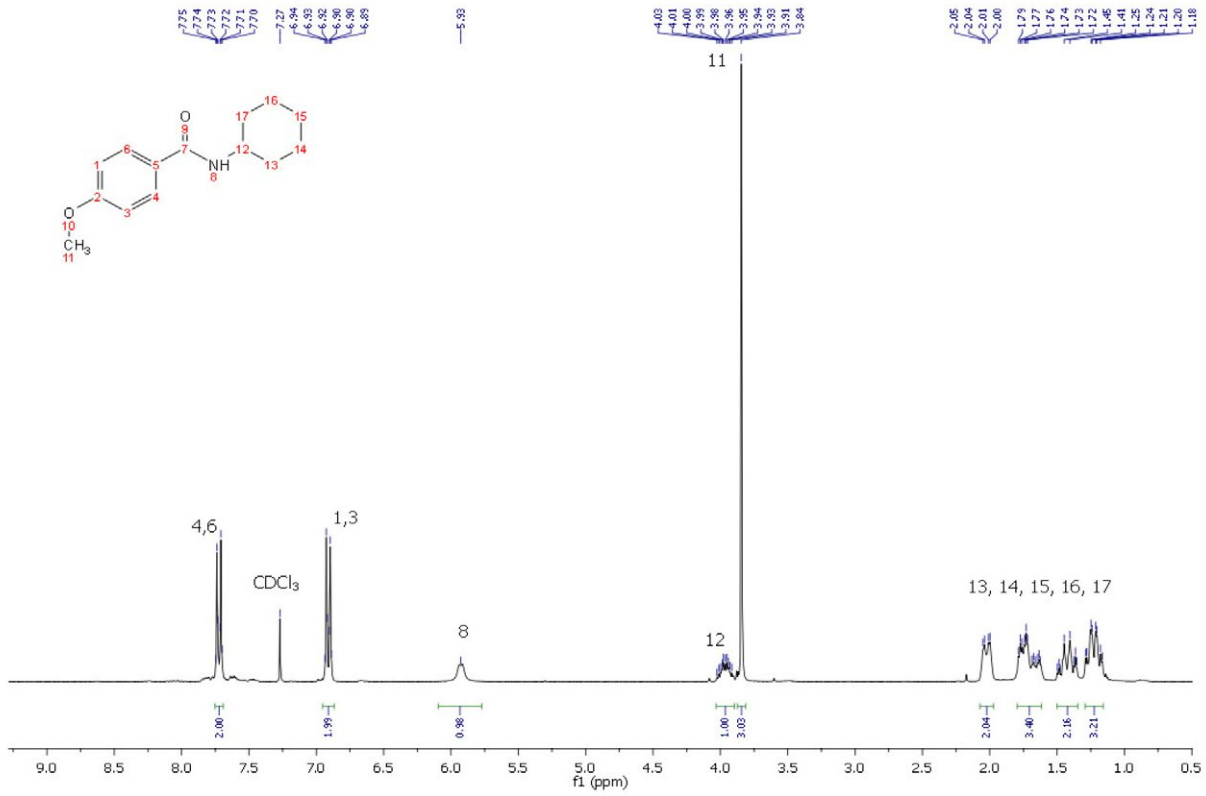

Figure S31. ^{1}H NMR spectrum (300 MHz, $CDCl_3$) of *N*-cyclohexyl-4-methoxybenzamide.

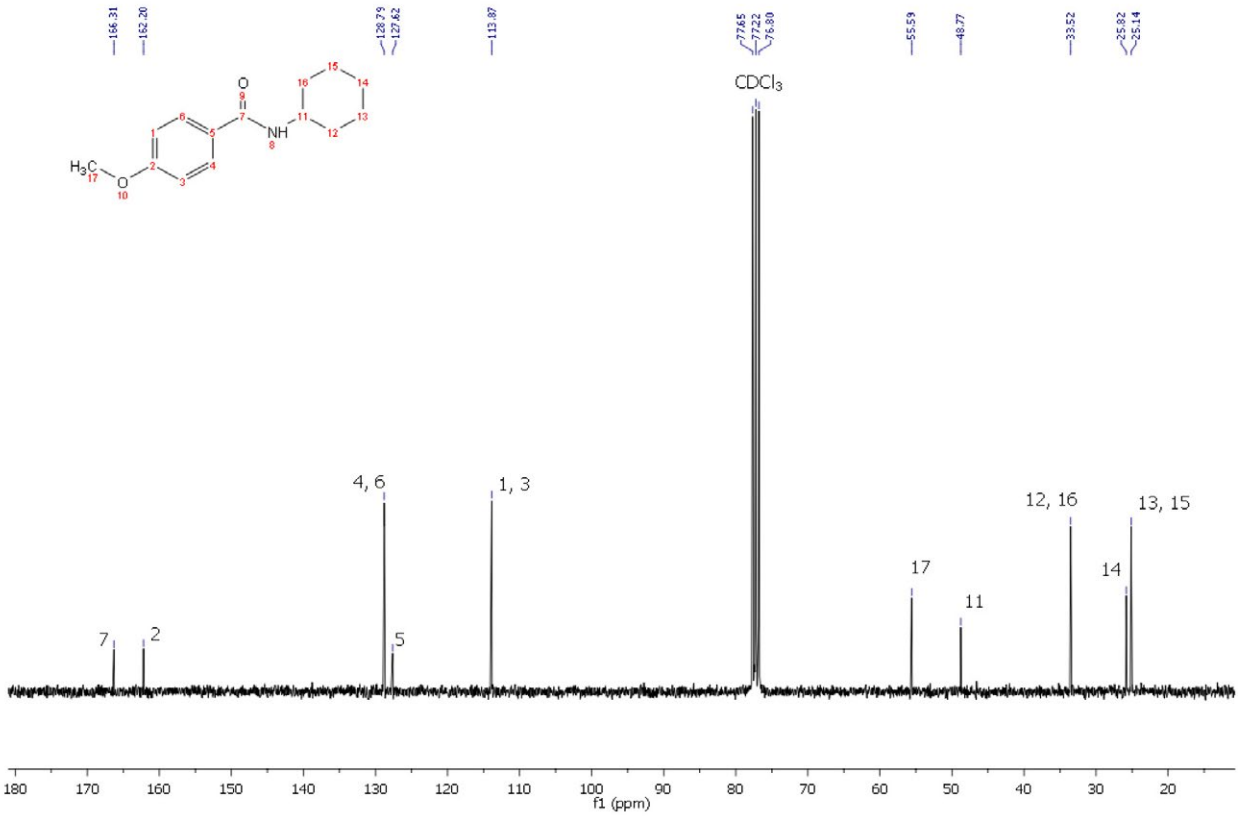

Figure S32. ^{13}C NMR spectrum (75 MHz, $CDCl_3$) of *N*-cyclohexyl-4-methoxybenzamide.

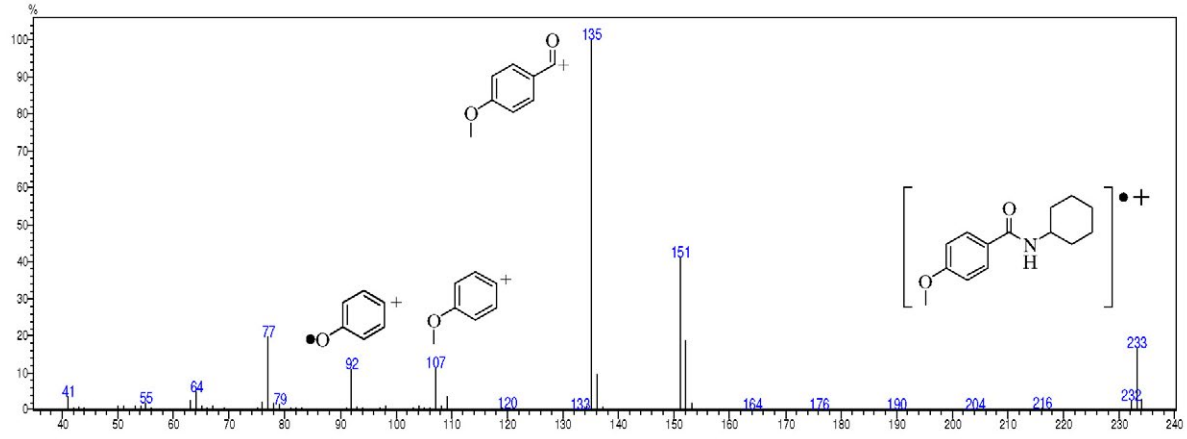

Figure S33. Mass spectrum (70 eV) of *N*-cyclohexyl-4-methoxybenzamide.

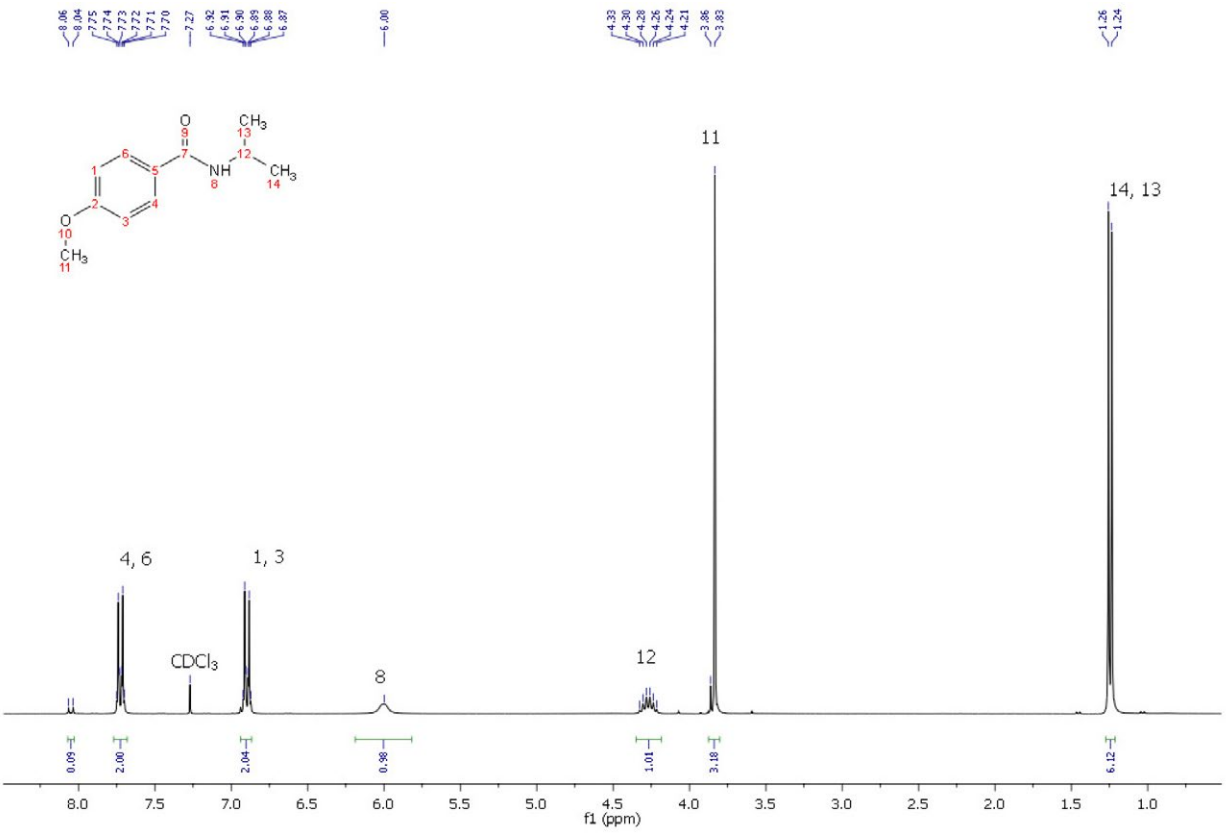

Figure S34. ^{1}H NMR spectrum (300 MHz, $CDCl_3$) of *N*-isopropyl-4-methoxybenzamide.

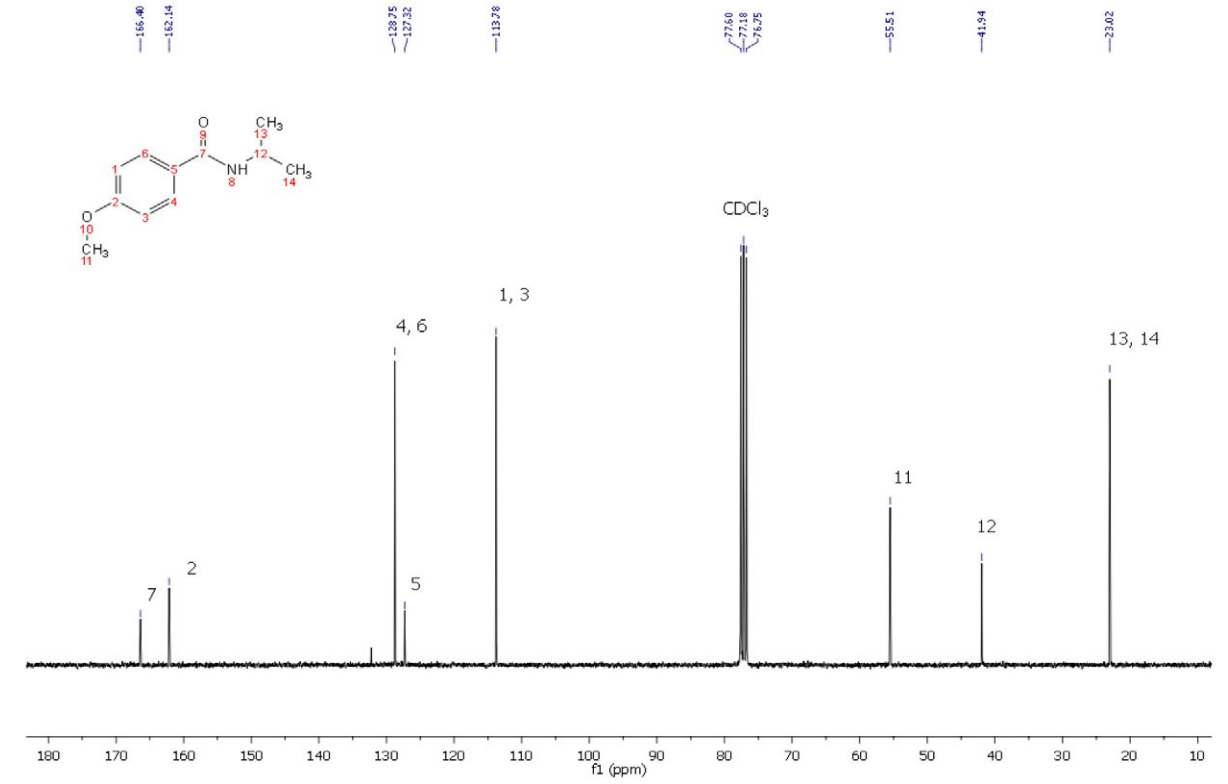

Figure S35. ^{13}C NMR spectrum (75 MHz, $CDCl_3$) of *N*-isopropyl-4-methoxybenzamide.

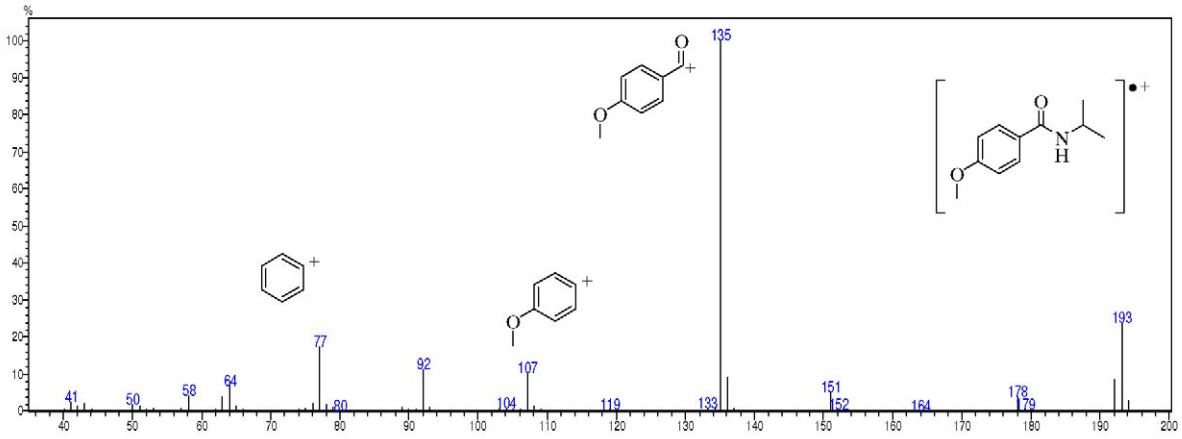

Figure S36. Mass spectrum (70 eV) of *N*-isopropyl-4-methoxybenzamide.

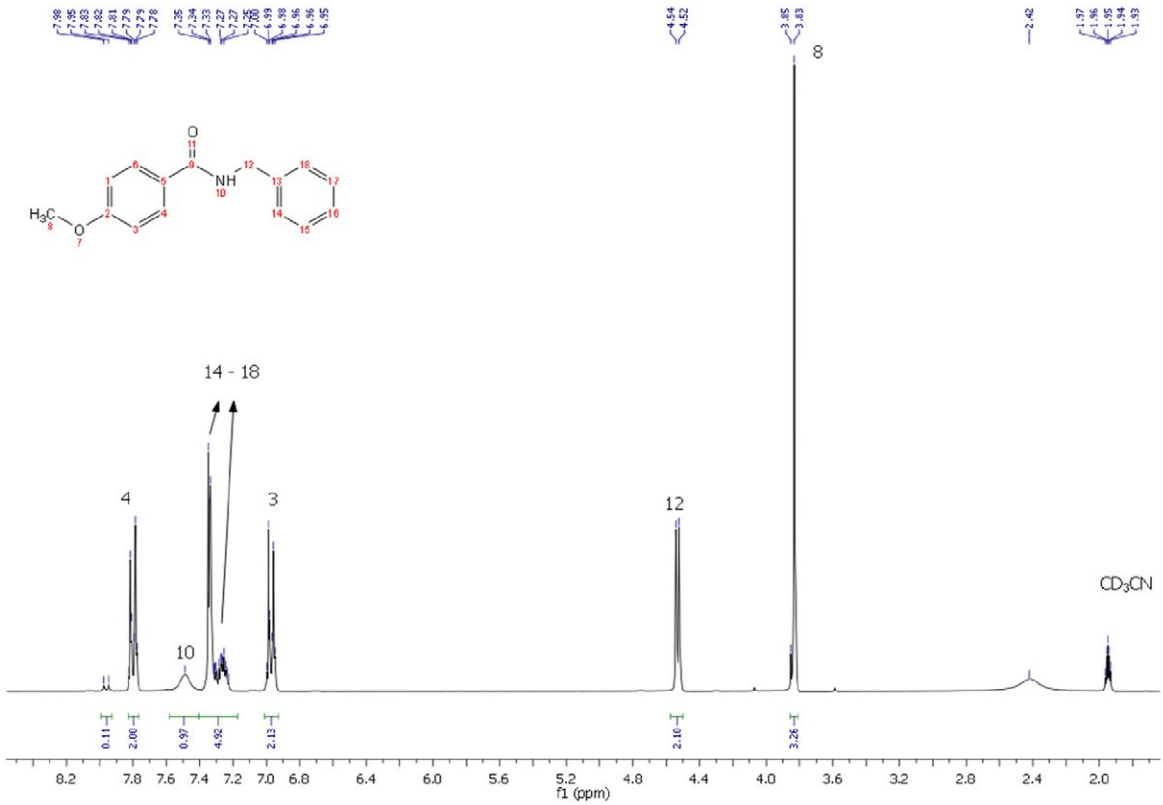

Figure S37. ^{1}H NMR spectrum (300 MHz, CD_3CN) of *N*-benzyl-4-methoxybenzamide.

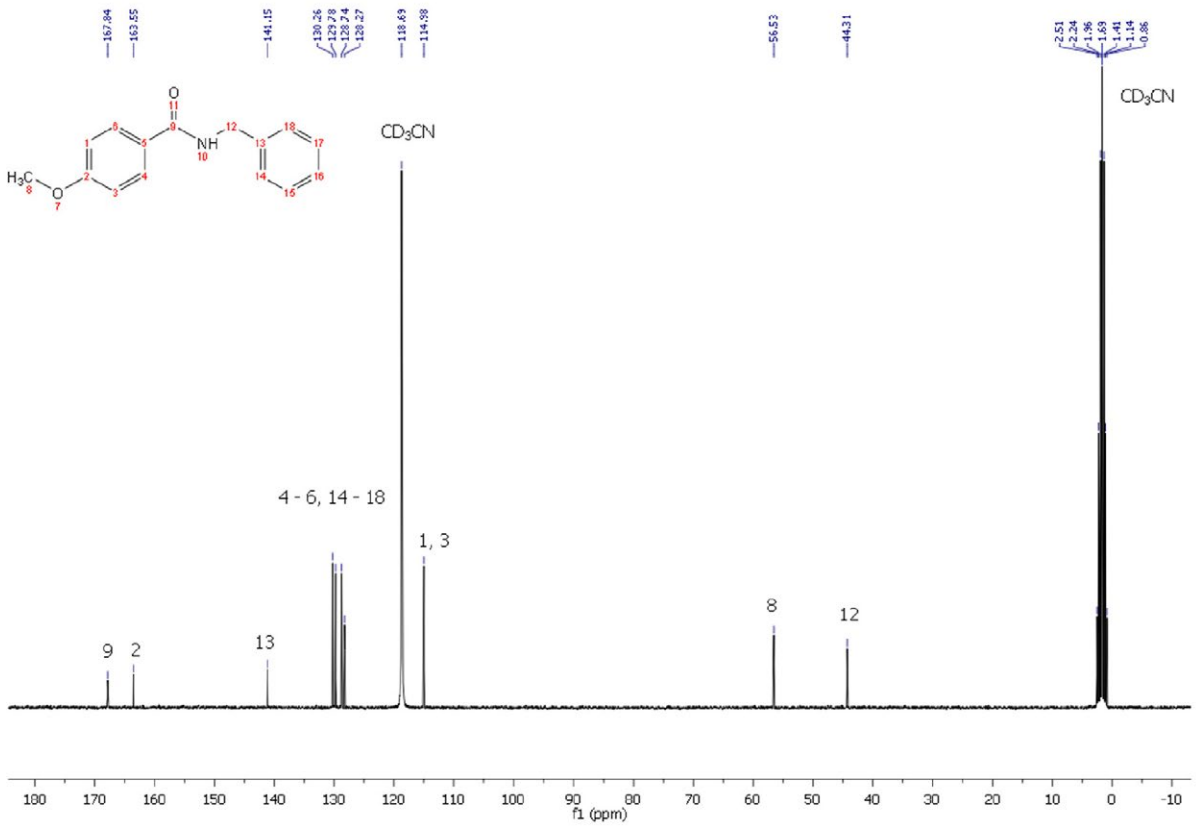

Figure S38. ^{13}C NMR spectrum (75 MHz, CD_3CN) of *N*-benzyl-4-methoxybenzamide.

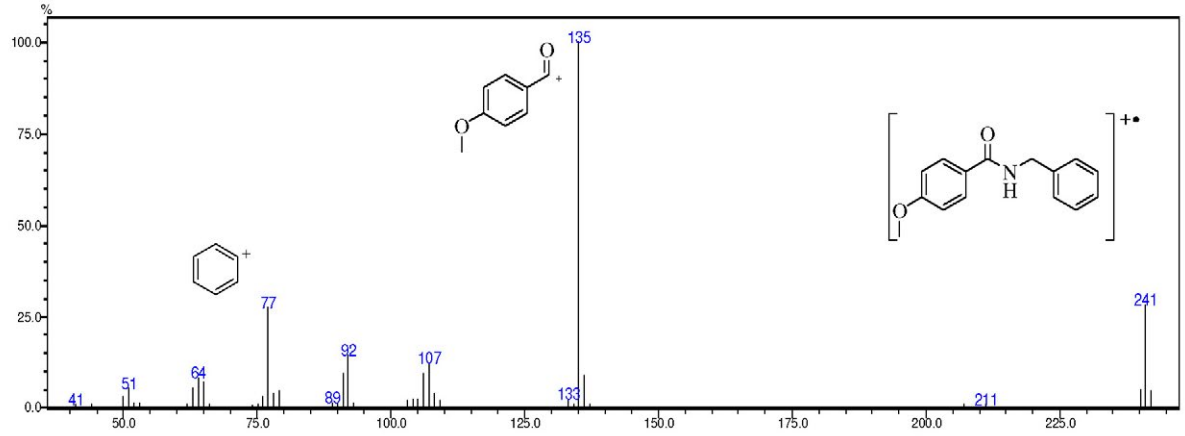

Figure S39. Mass spectrum (70 eV) of *N*-benzyl-4-methoxybenzamide.

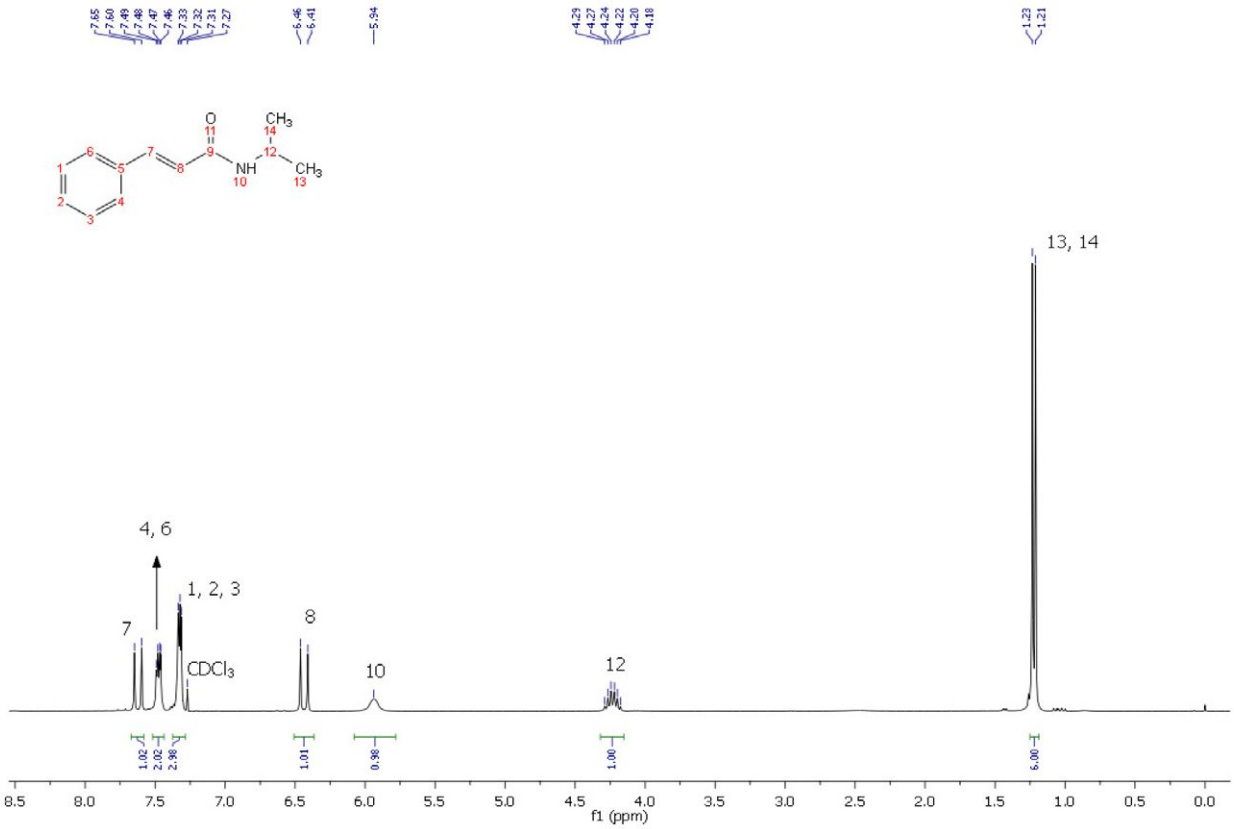

Figure S40. ^{1}H NMR spectrum (300 MHz, $CDCl_3$) of *N*-isopropyl-cinnamamide.

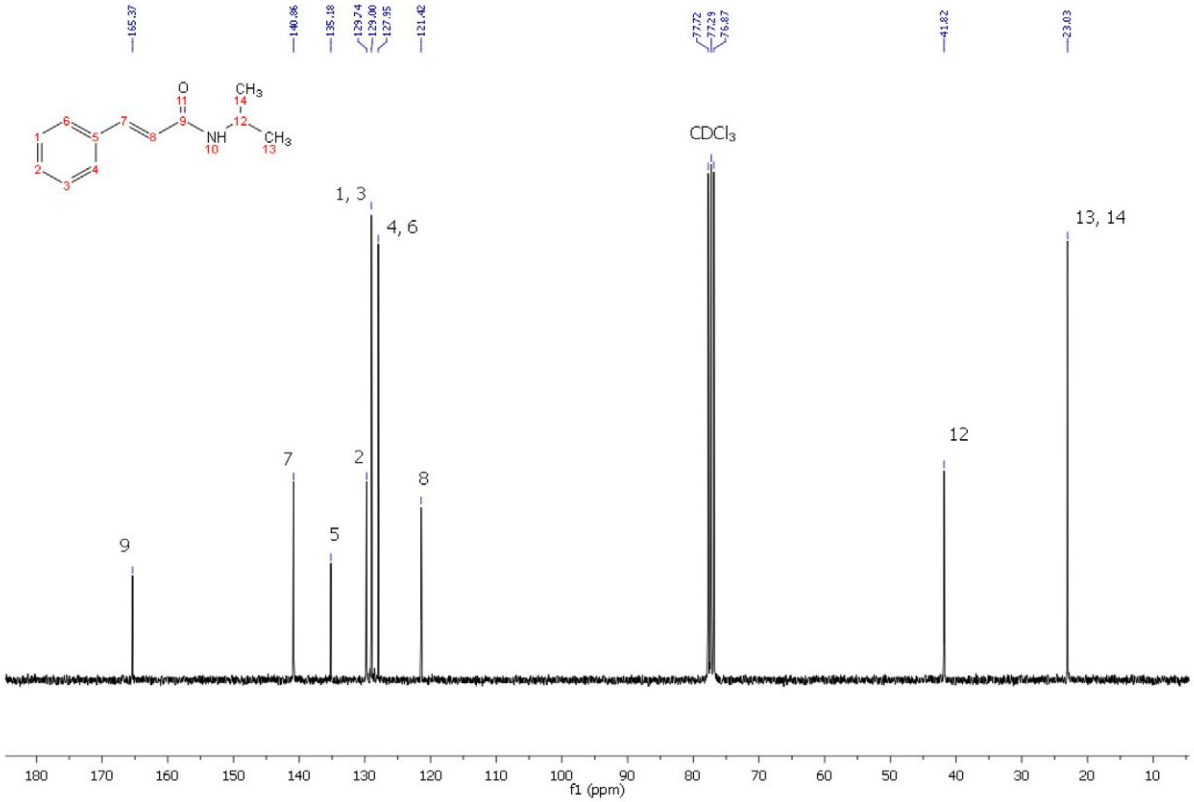

Figure S41. ^{13}C NMR spectrum (75 MHz, $CDCl_3$) of *N*-isopropyl-cinnamamide.

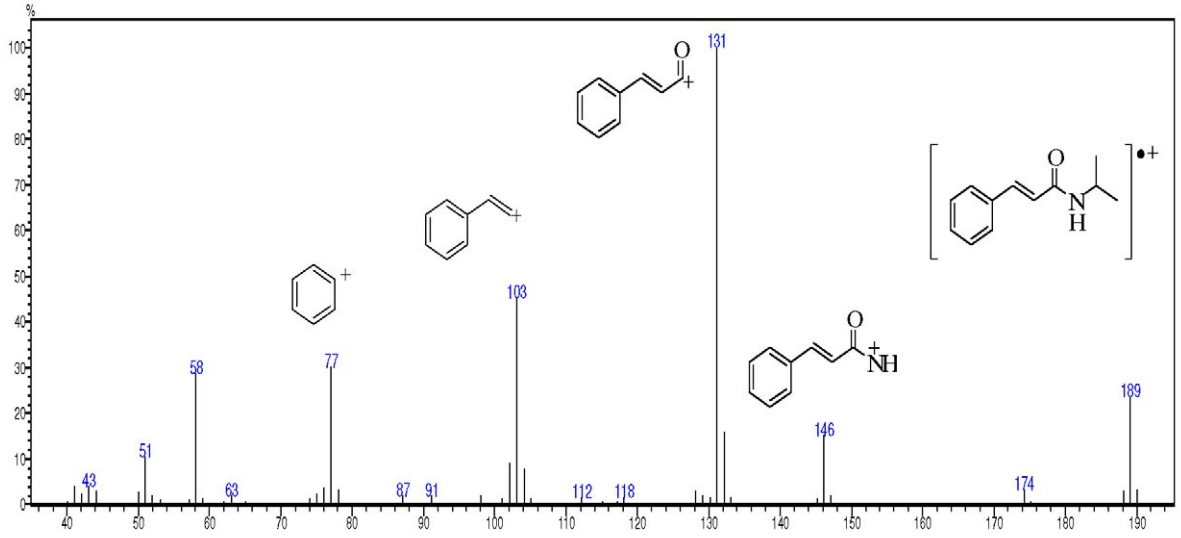

Figure S42. Mass spectrum (70 eV) of *N*-isopropyl-cinnamamide.

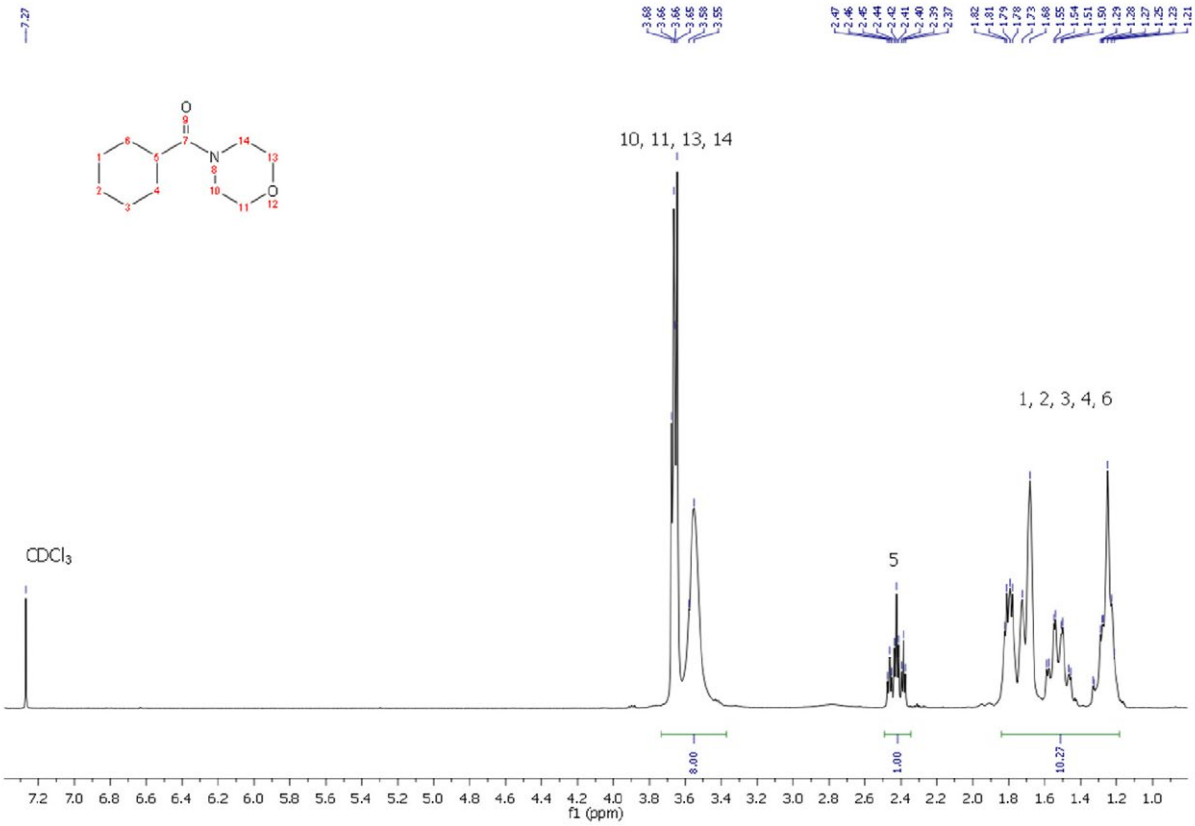

Figure S43. ^{1}H NMR spectrum (300 MHz, $CDCl_3$) of *N*-(cyclohexylcarbonyl)-morpholine.

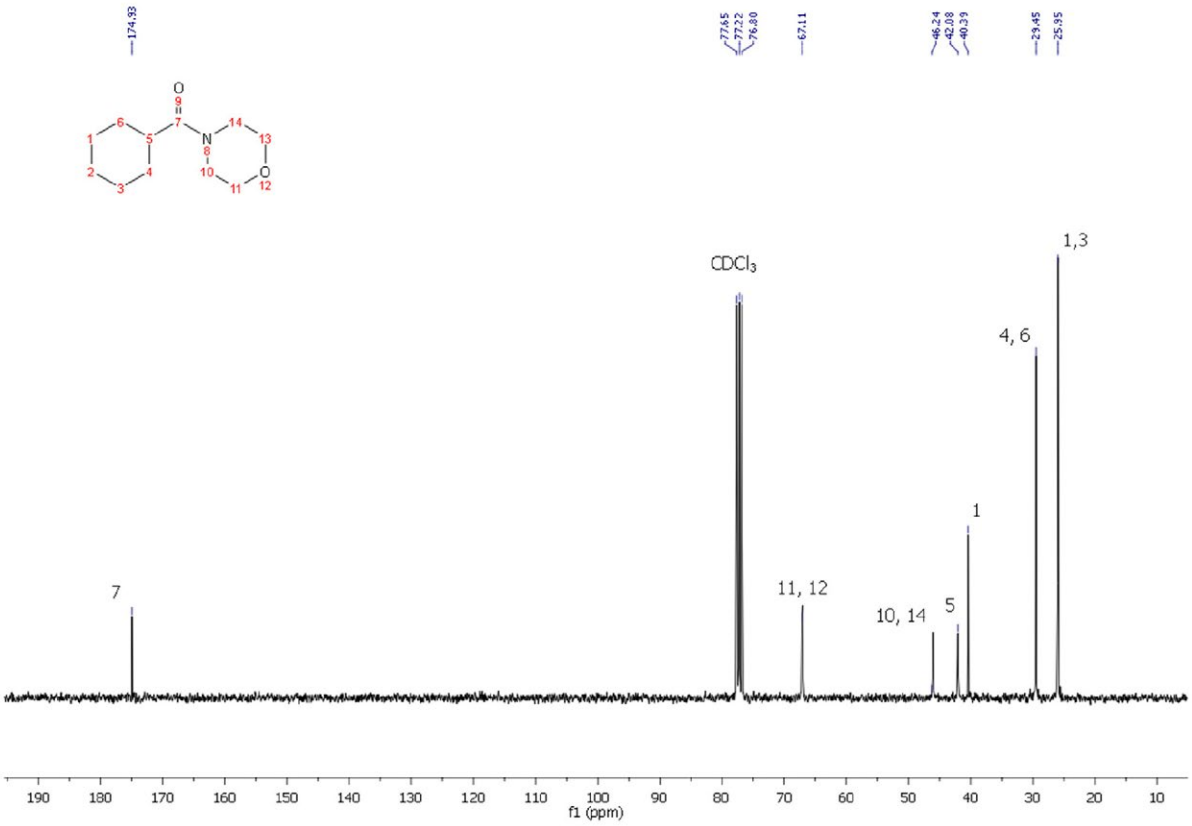

Figure S44. ^{13}C NMR spectrum (75 MHz, $CDCl_3$) of *N*-(cyclohexylcarbonyl)-morpholine.

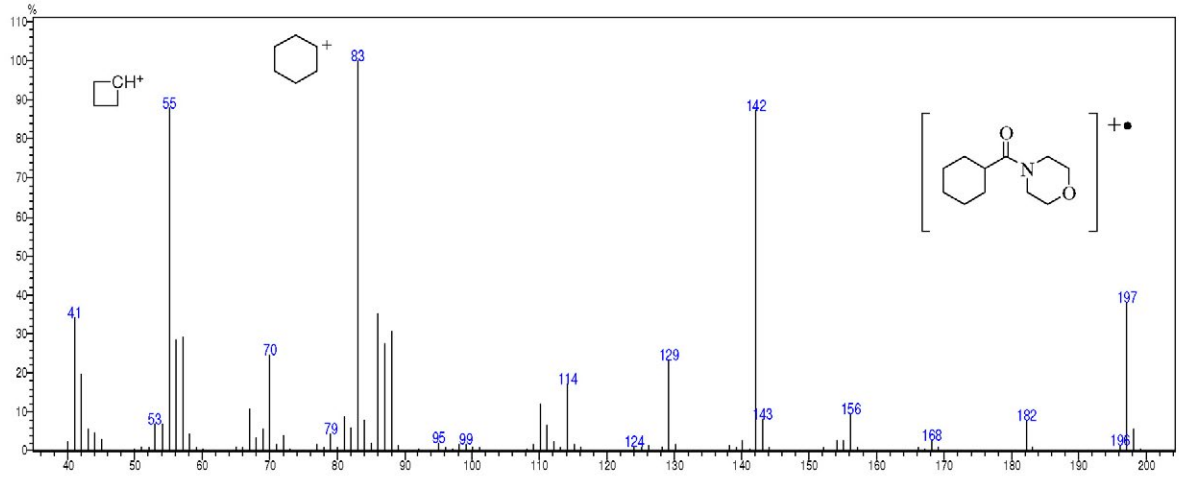

Figure S45. Mass spectrum (70 eV) of *N*-(cyclohexylcarbonyl)-morpholine.

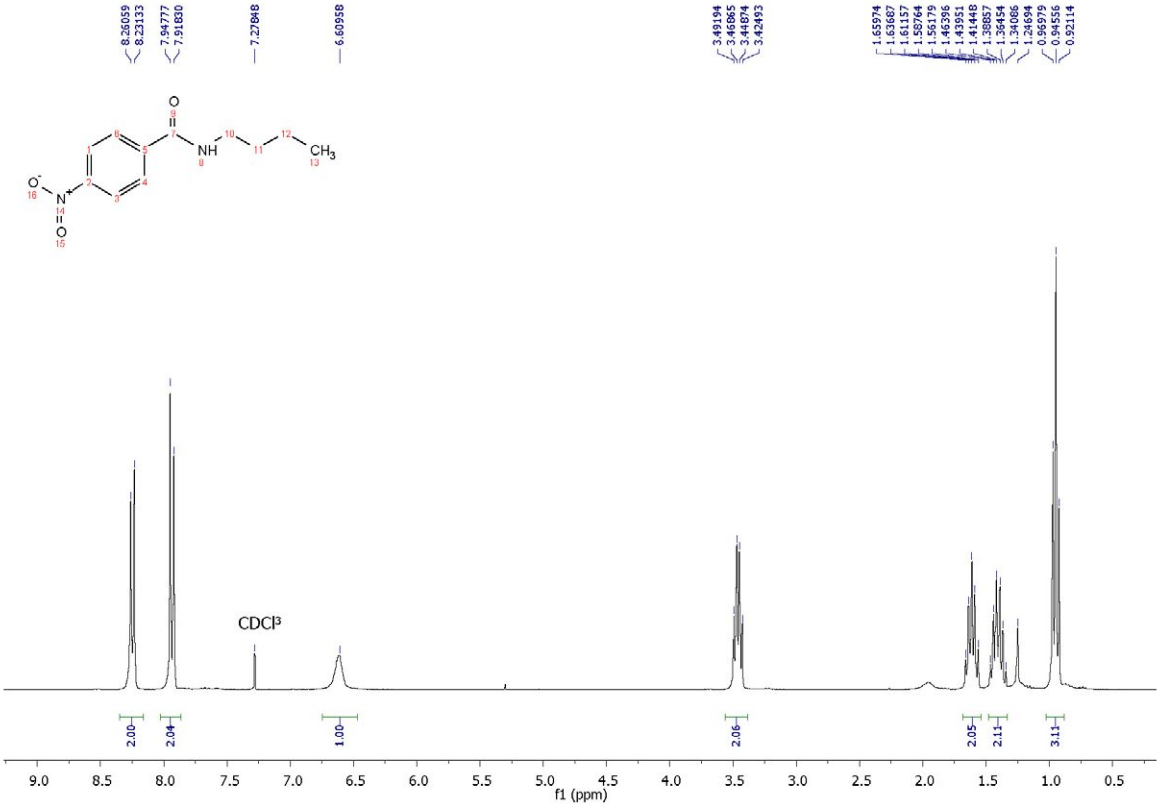

Figure S46. ^{1}H NMR spectrum (300 MHz, $CDCl_3$) of *N*-butyl-4-nitro-benzamide.

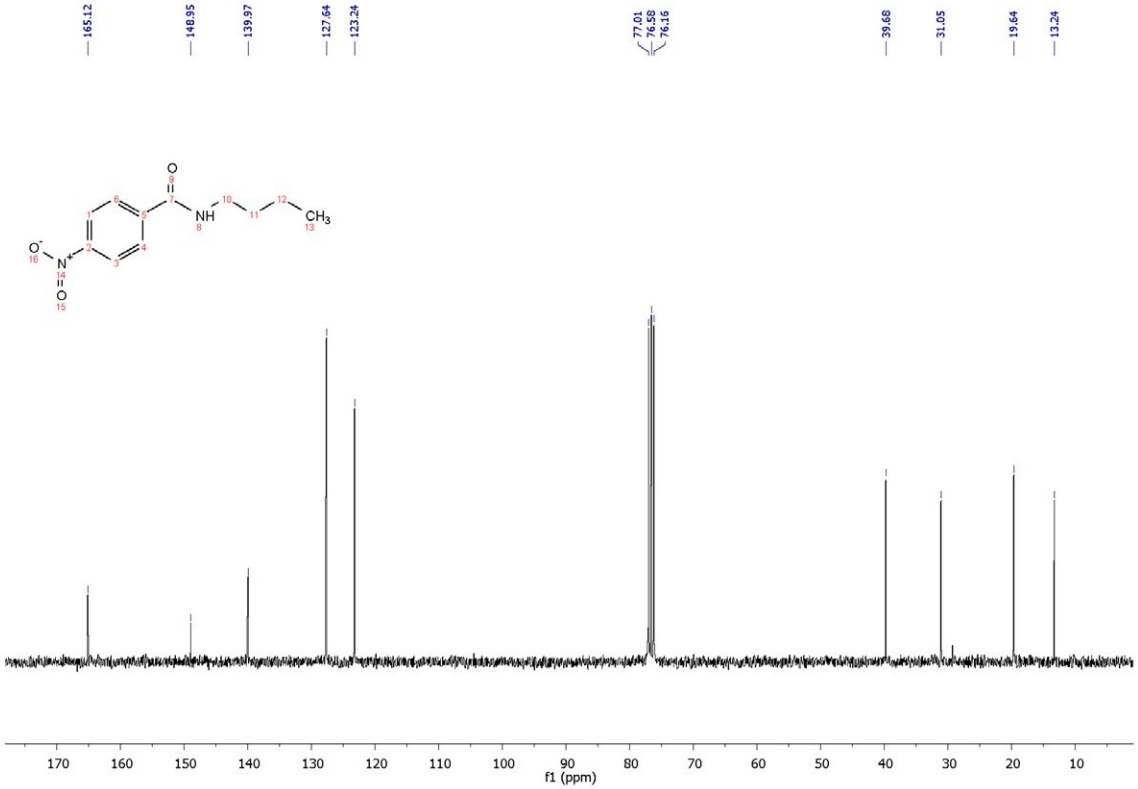

Figure S47. ^{13}C NMR spectrum (75 MHz, $CDCl_3$) of *N*-butyl-4-nitro-benzamide.

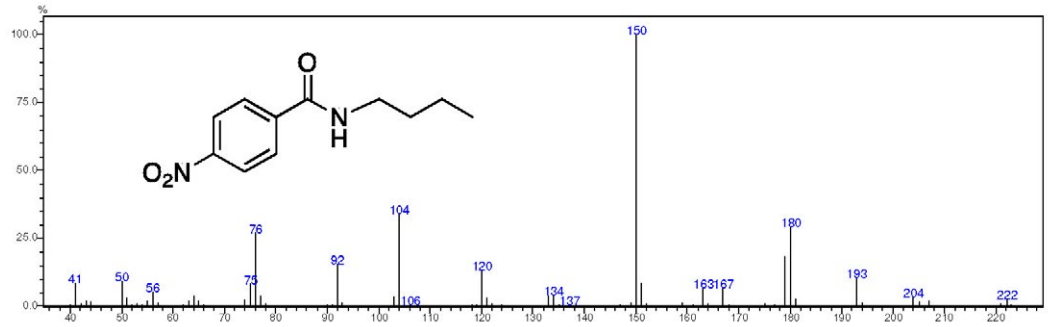

Figure S48. Mass spectrum (70 eV) of *N*-butyl-4-nitro-benzamide.

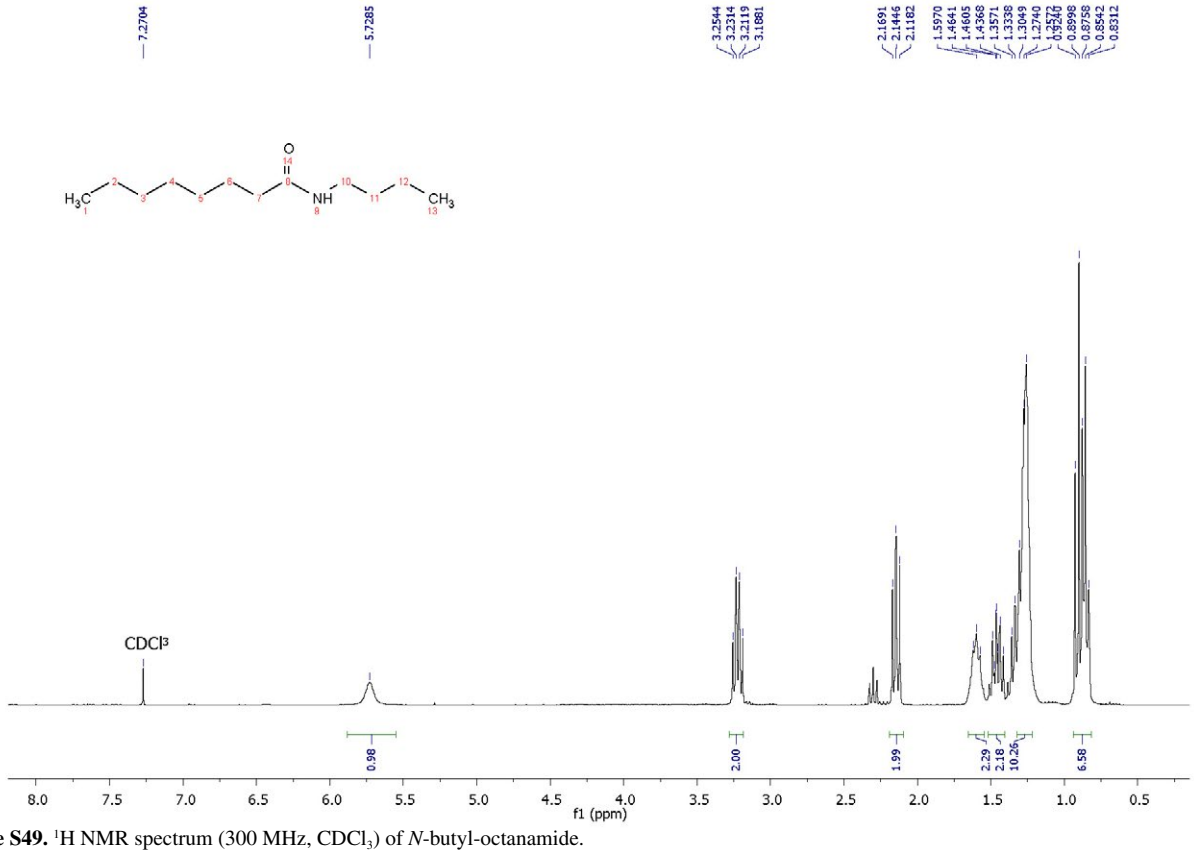

Figure S49. ^{1}H NMR spectrum (300 MHz, $CDCl_3$) of *N*-butyl-octanamide.

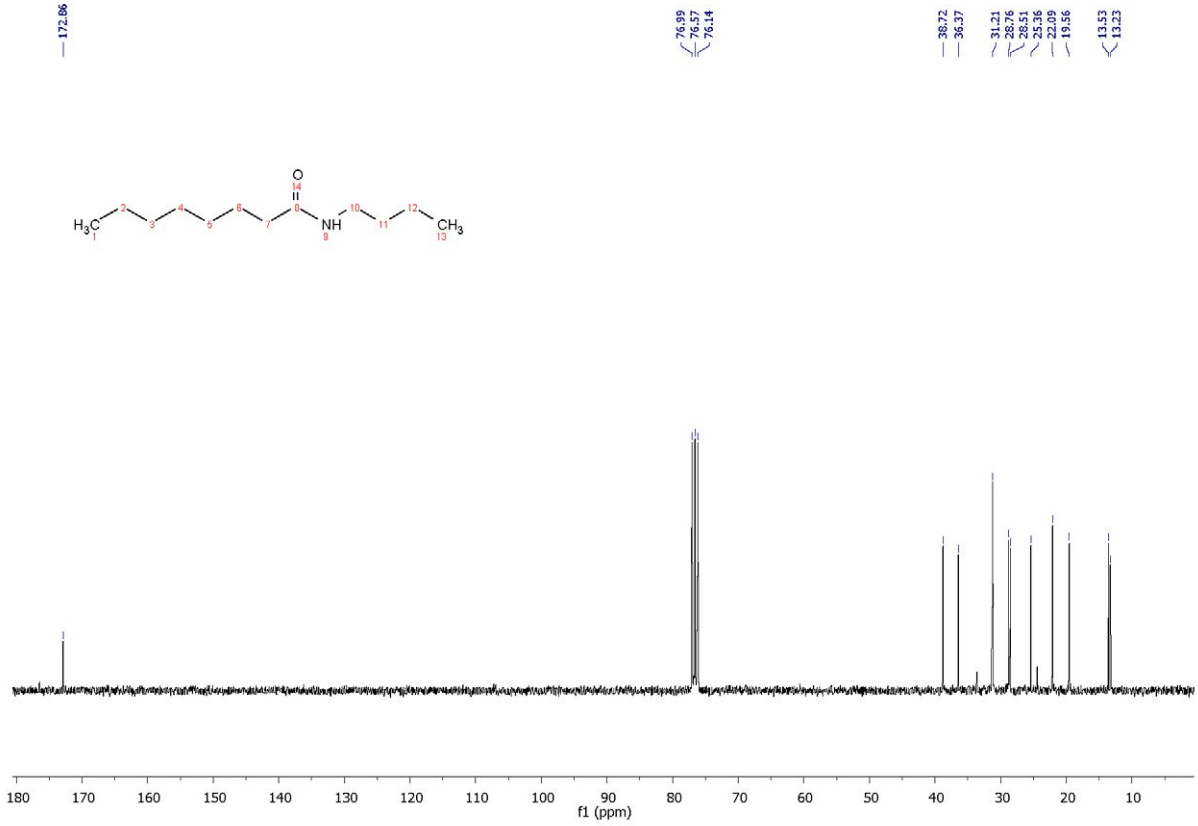

Figure S50. ^{13}C NMR spectrum (75 MHz, $CDCl_3$) of *N*-butyl-octanamide.

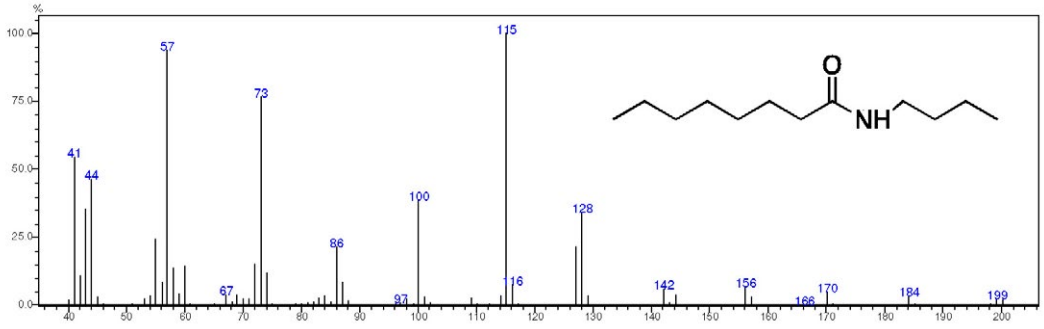

Figure S51. Mass spectrum (70 eV) of *N*-butyl-octanamide.