

Supplementary Materials

^1H and ^{13}C NMR (or MS) Spectra of Products:

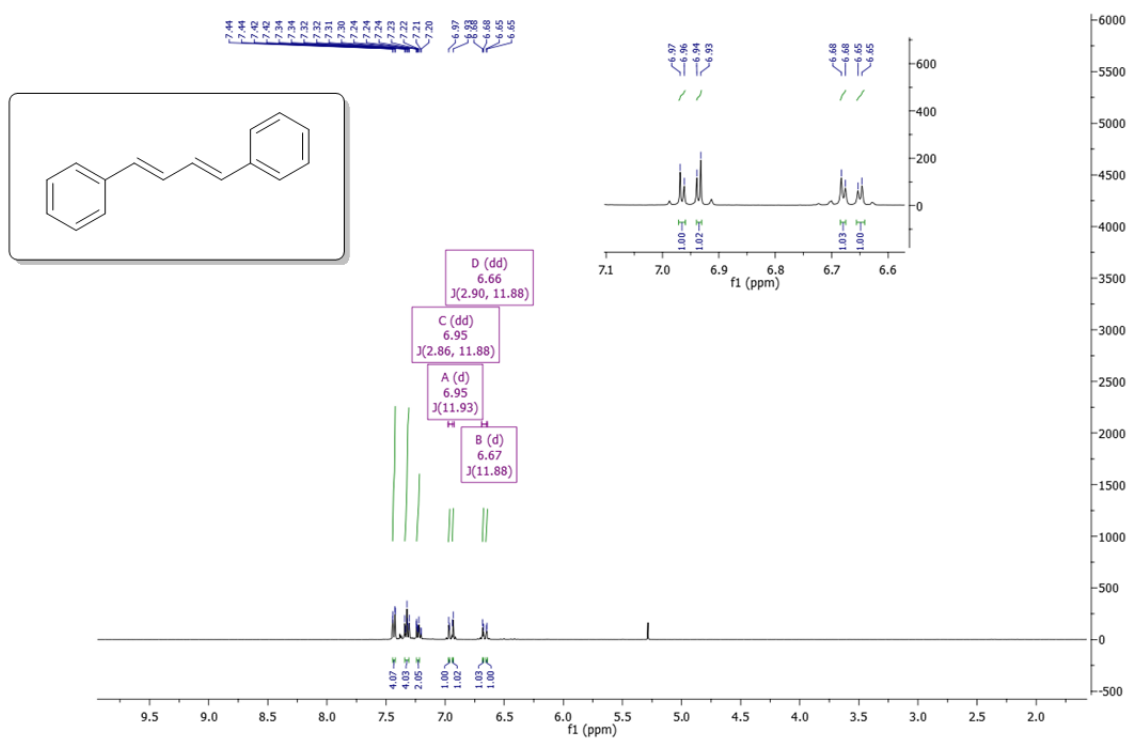


Figure S1. ^1H NMR spectrum of (E,E) -1,4-(diphenyl)buta-1,3-diene (1).

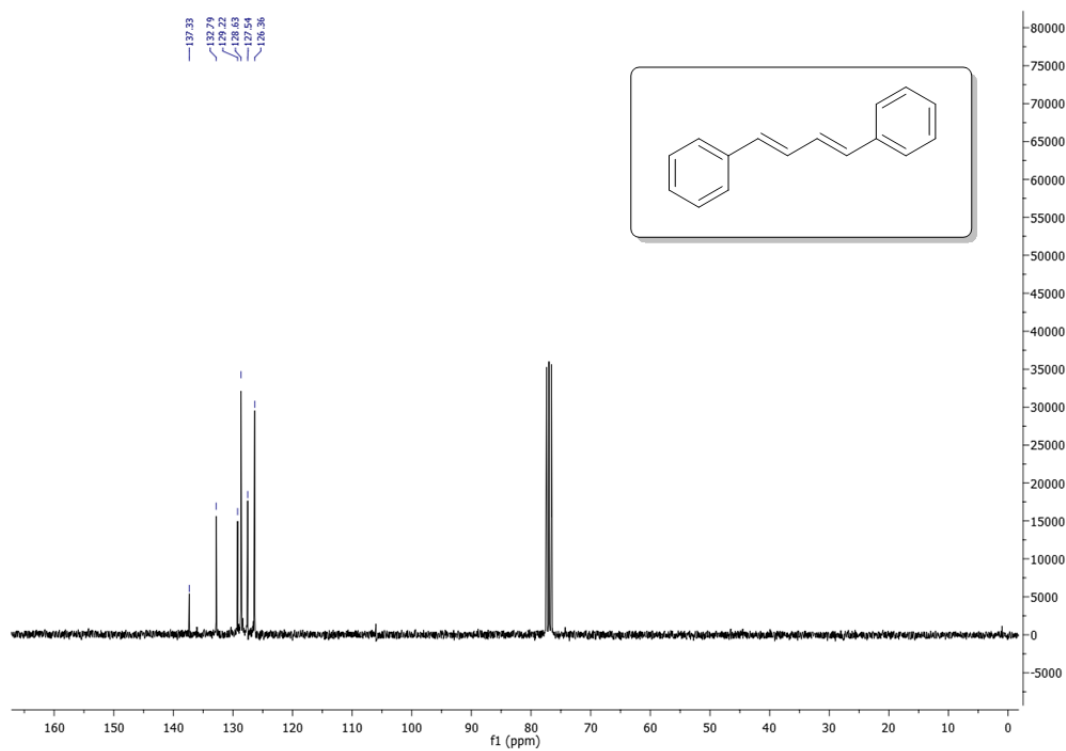


Figure S2. ^{13}C NMR spectrum of (E,E) -1,4-(diphenyl)buta-1,3-diene (1).

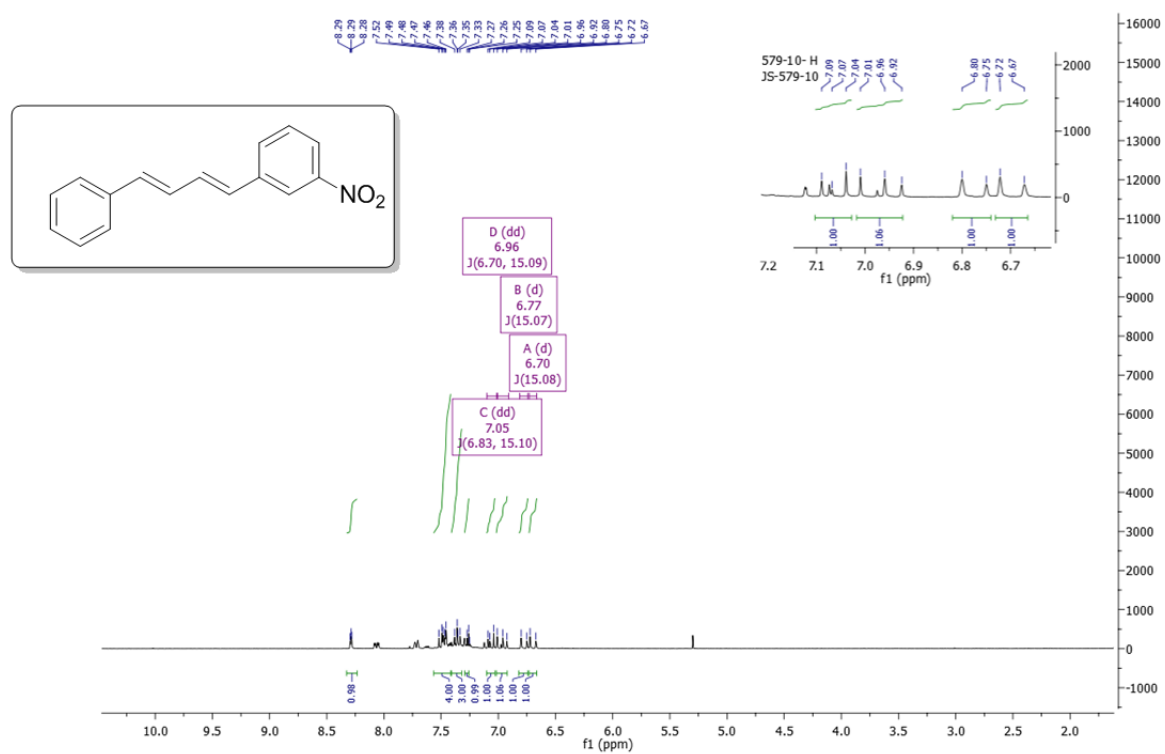


Figure S3. ¹H NMR spectrum of (*E,E*)-1-phenyl-4-(3-nitrophenyl)buta-1,3-diene (2).

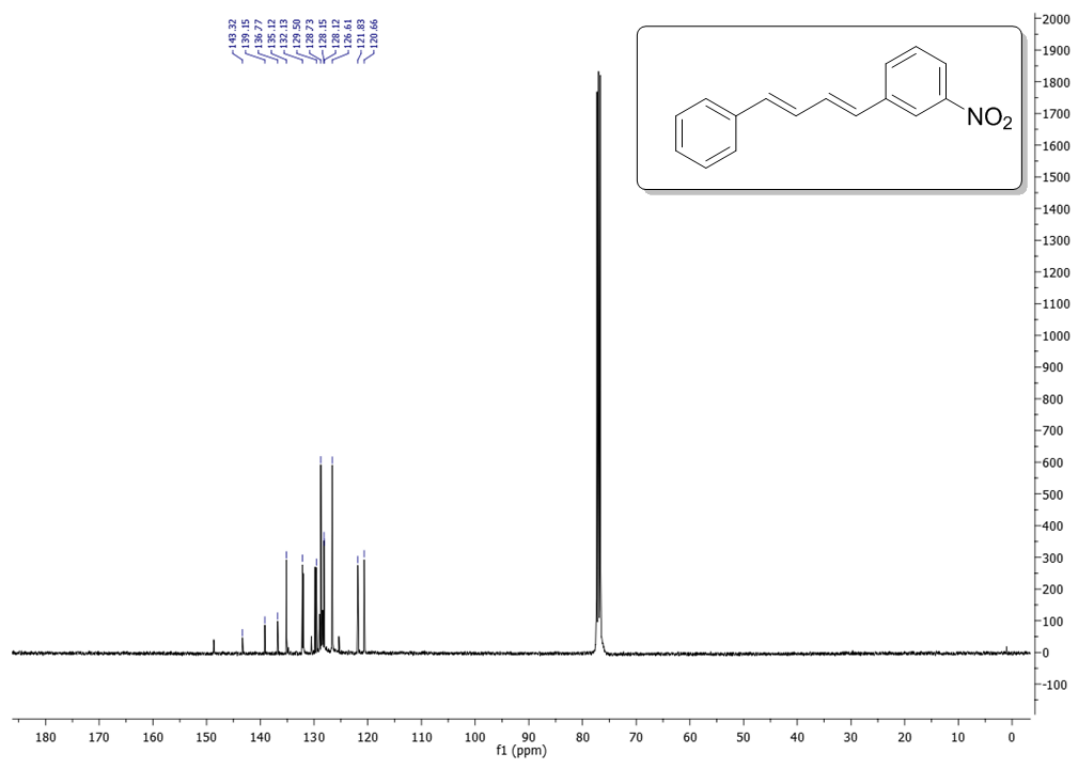


Figure S4. ¹³C NMR spectrum of (*E,E*)-1-phenyl-4-(3-nitrophenyl)buta-1,3-diene (2).

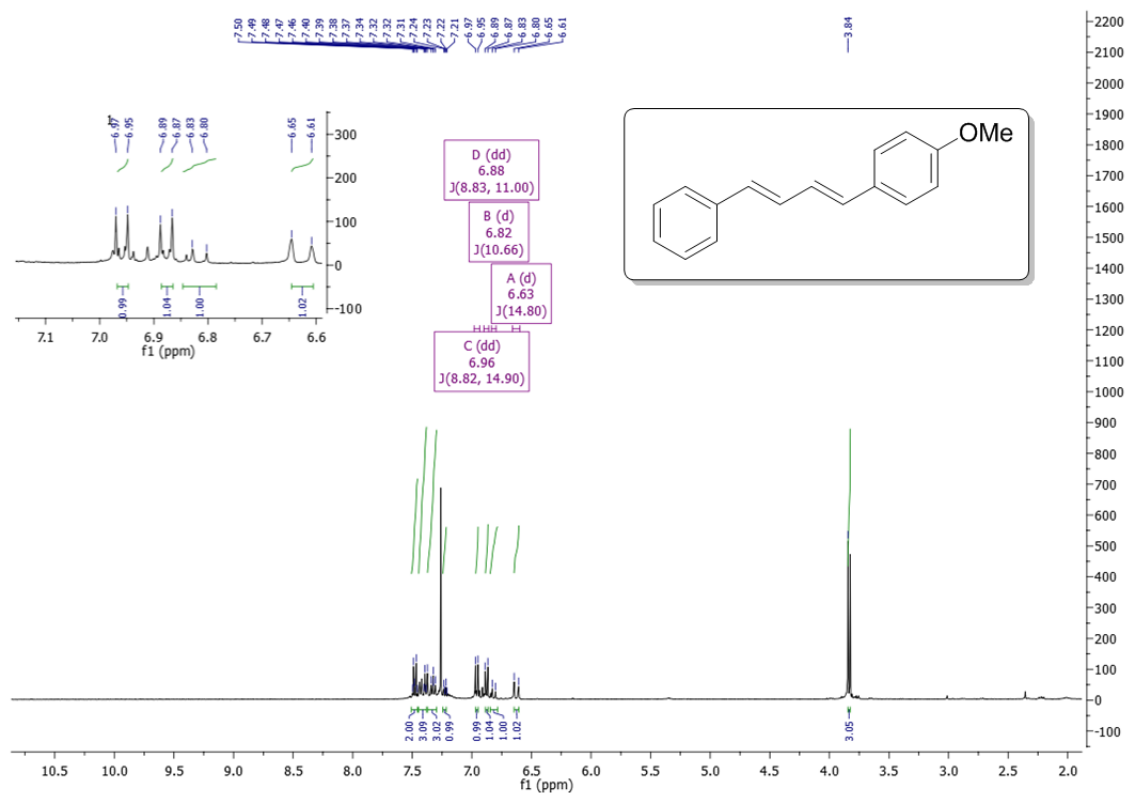


Figure S5. ¹H NMR spectrum of (*E,E*)-1-phenyl-4-(4-methoxyphenyl)buta-1,3-diene (3).

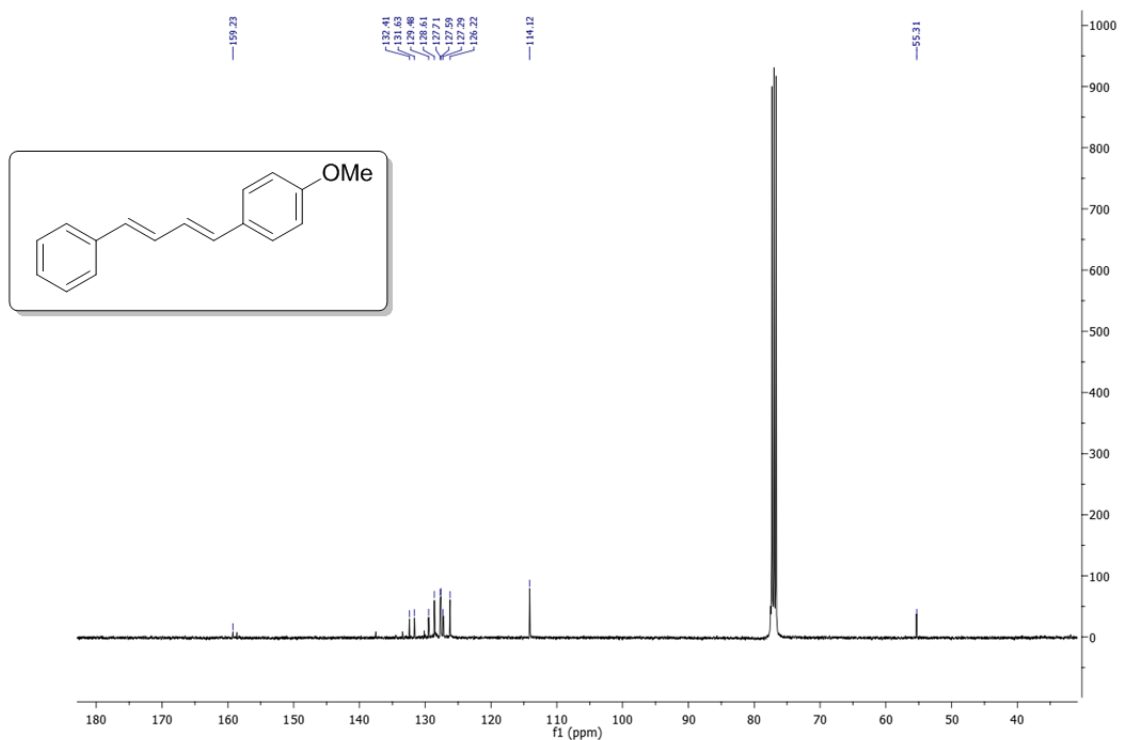


Figure S6. ¹³C NMR spectrum of (*E,E*)-1-phenyl-4-(4-methoxyphenyl)buta-1,3-diene (3).

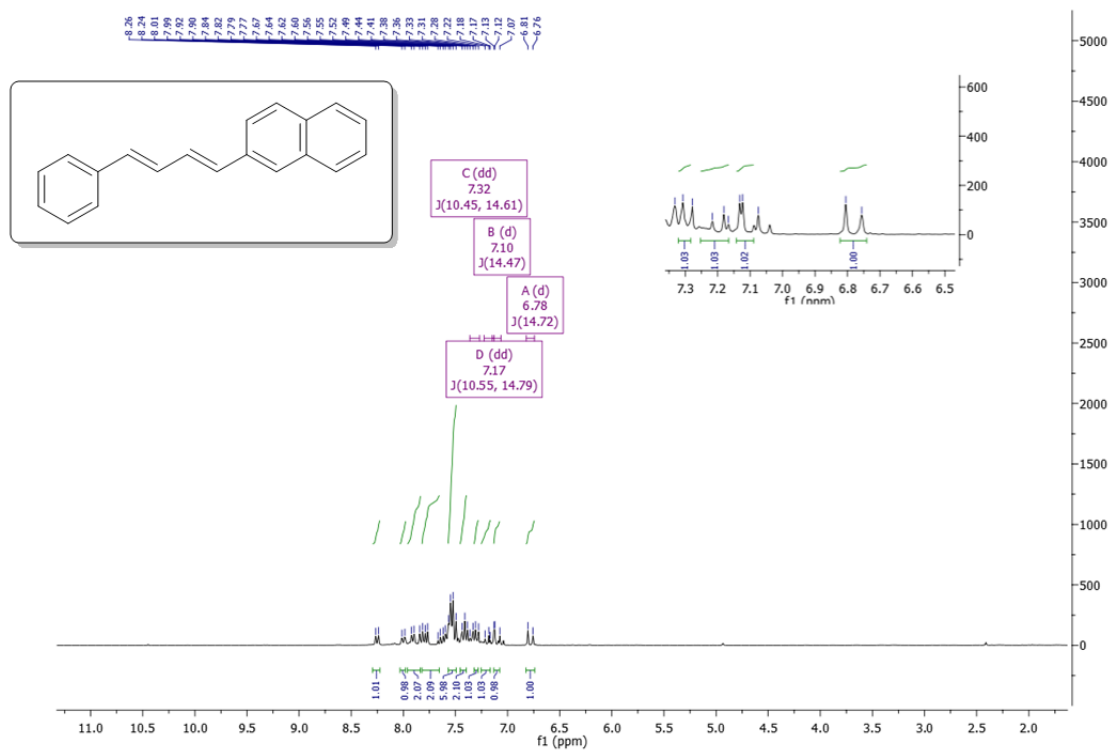


Figure S7. ¹H NMR spectrum of (E,E)-1-(2-naphthyl)-4-phenylbuta-1,3-diene (4).

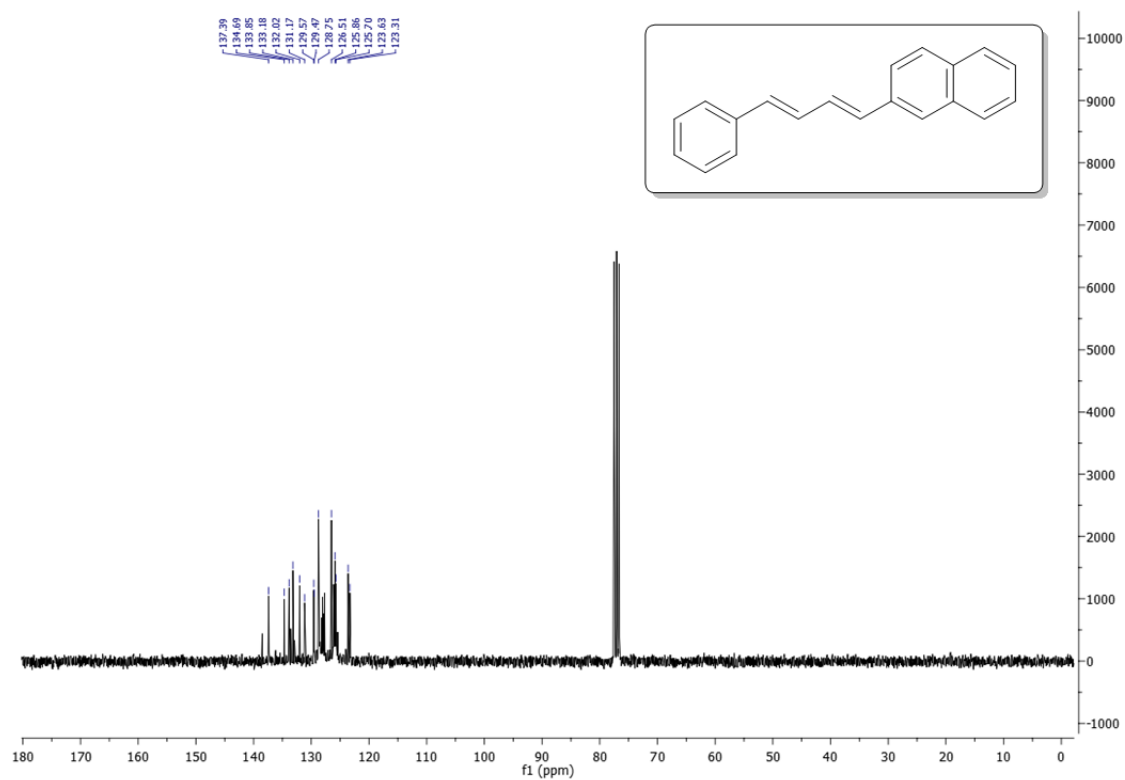


Figure S8. ¹³C NMR spectrum of (E,E)-1-(2-naphthyl)-4-phenylbuta-1,3-diene (4).

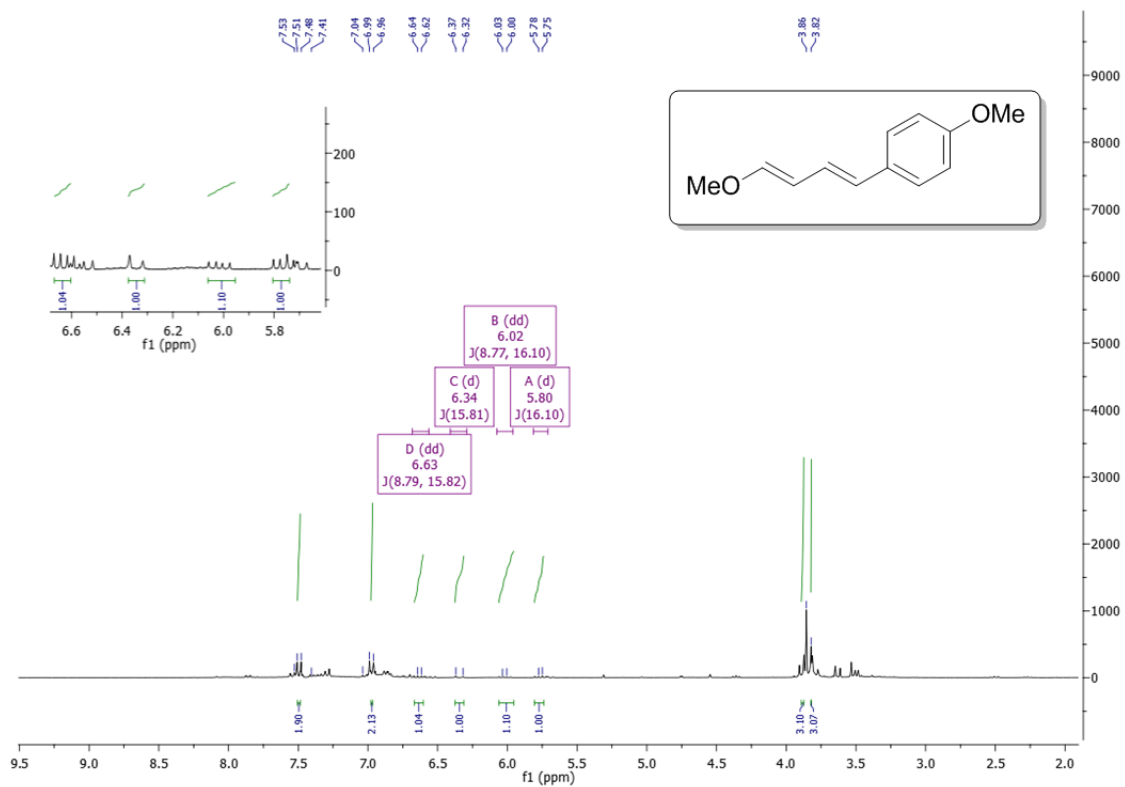


Figure S9. ¹H NMR spectrum of (*E,E*)-1-methoxy-4-(4-methoxyphenyl)buta-1,3-diene (5).

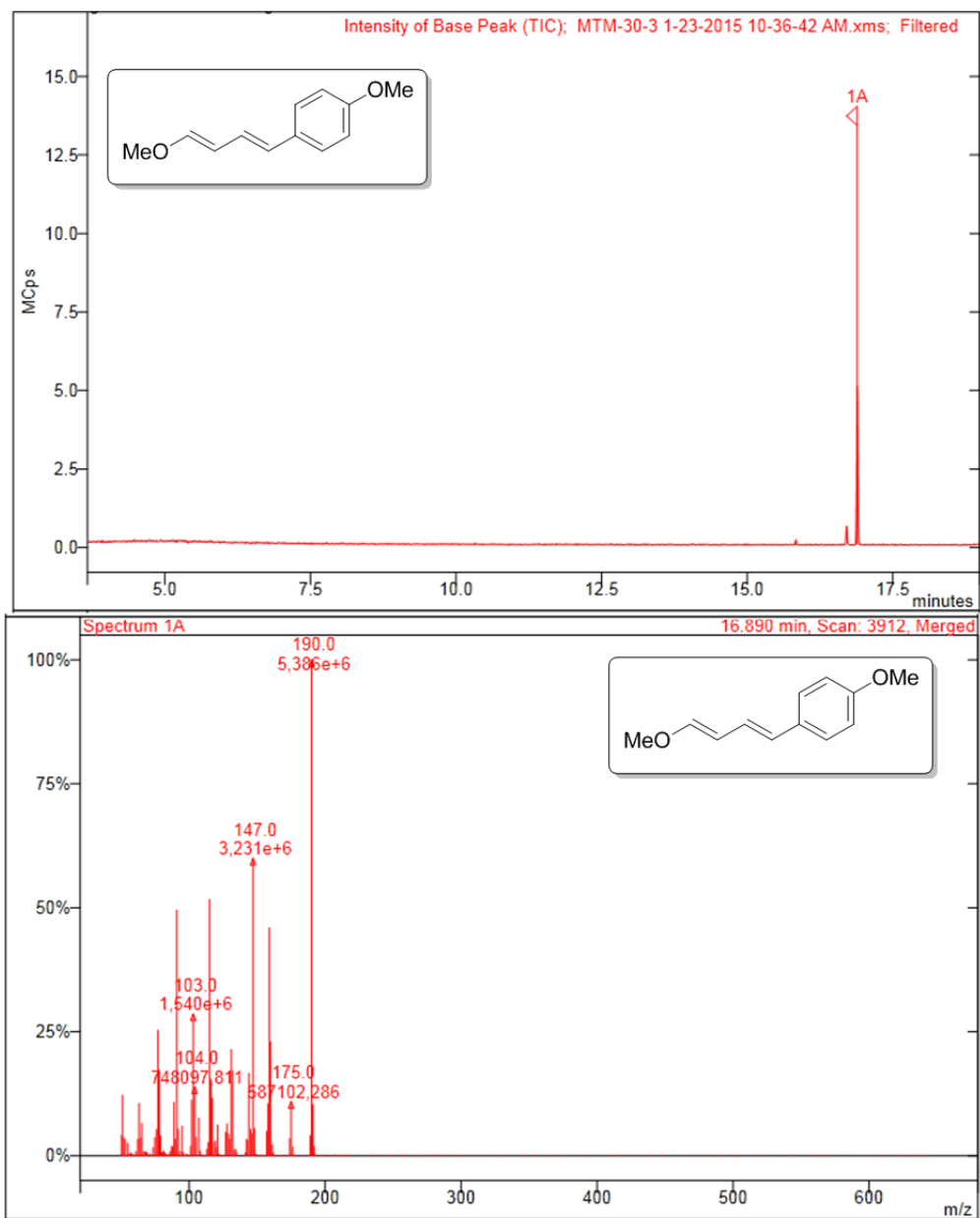


Figure S10. GC-MS spectrum of (*E,E*)-1-methoxy-4-(4-methoxyphenyl)buta-1,3-diene (5).

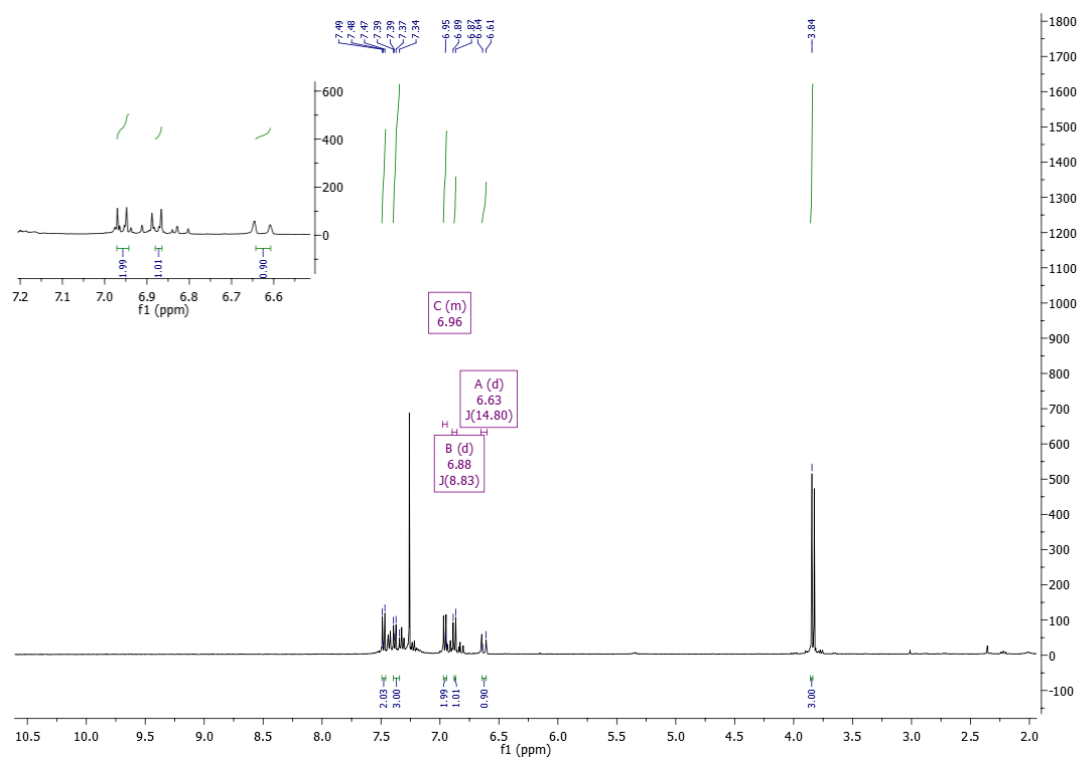
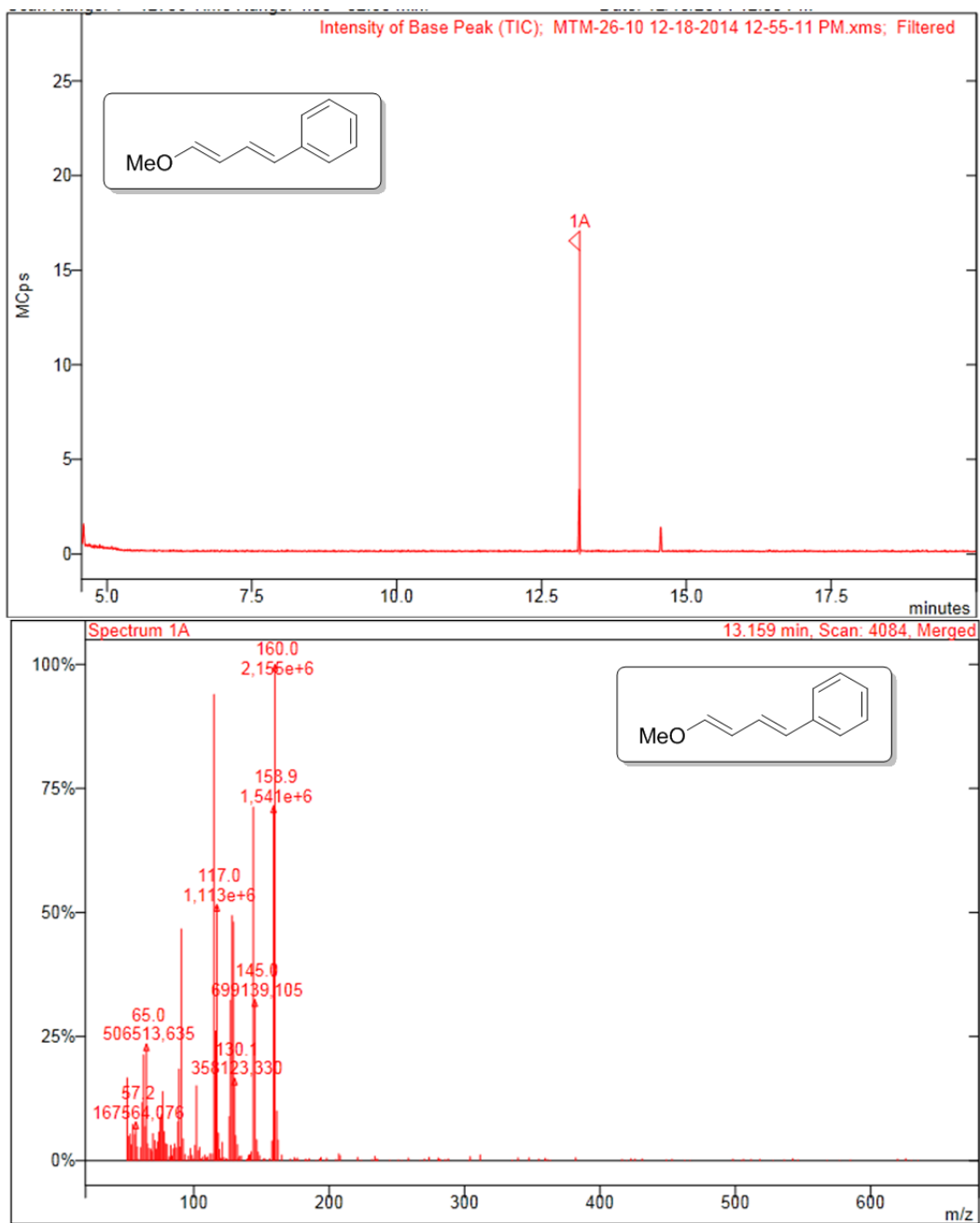


Figure S11. ^1H NMR spectrum of (E,E) -1-methoxy-4-phenylbuta-1,3-diene (6).



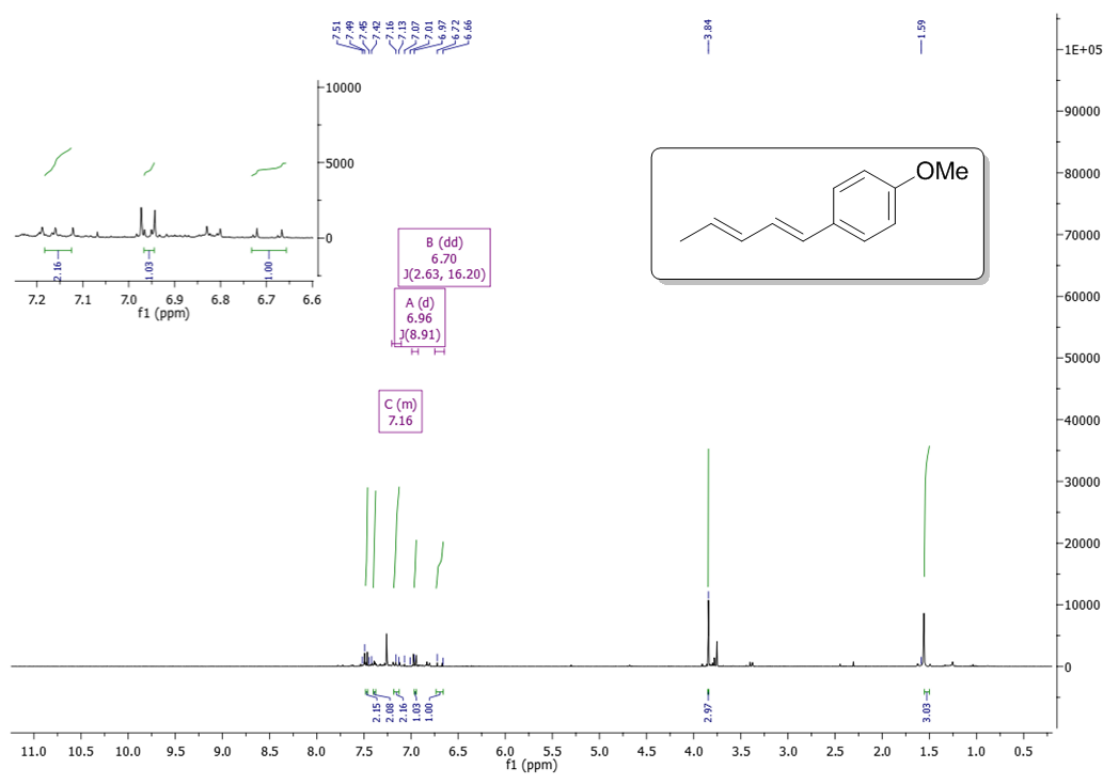


Figure S13. ^1H NMR spectrum of (E,E)-1-(3-nitrophenyl)penta-1,3-diene (7).

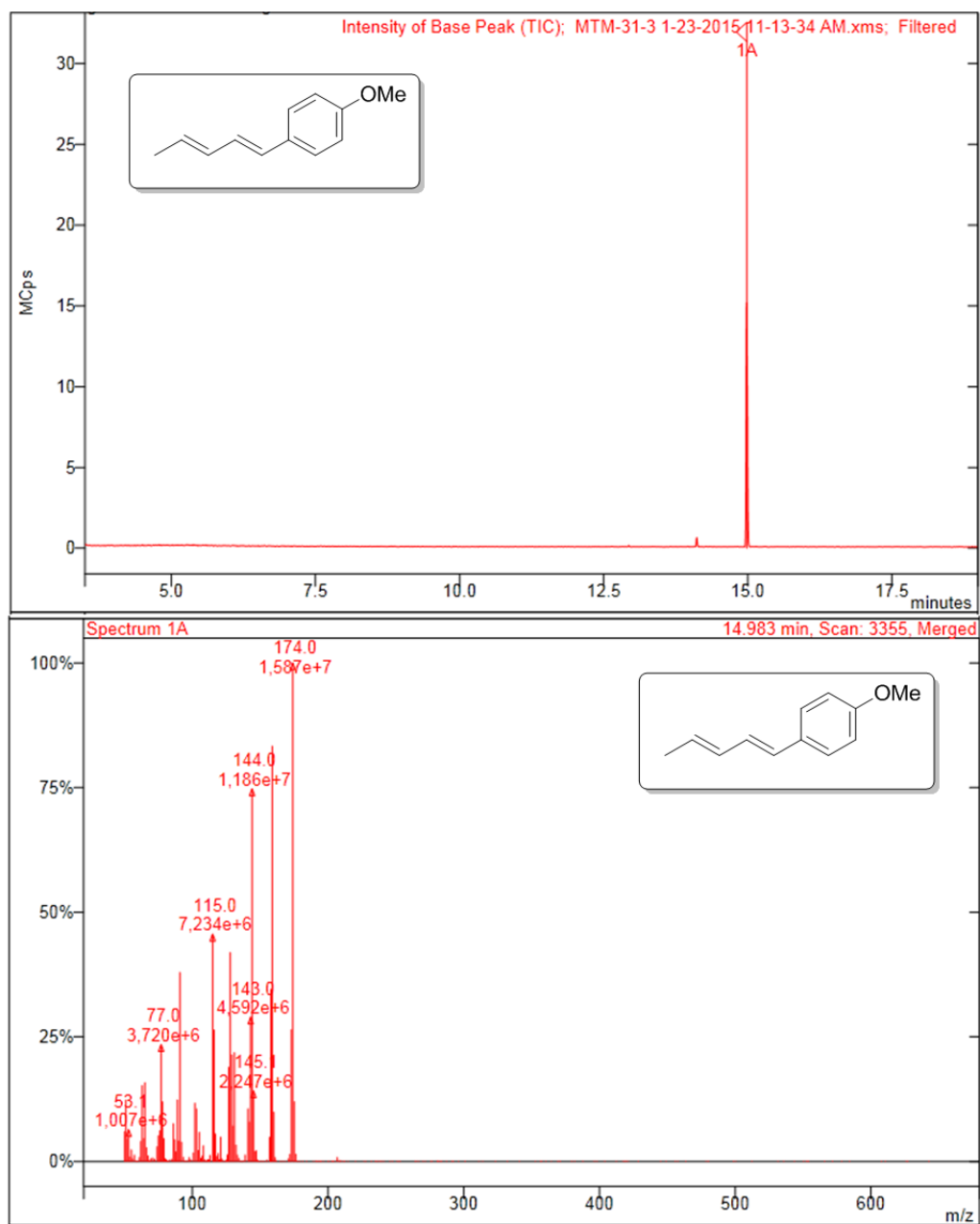


Figure S14. GC-MS spectrum of (*E,E*)-1-(3-nitrophenyl)penta-1,3-diene (7).

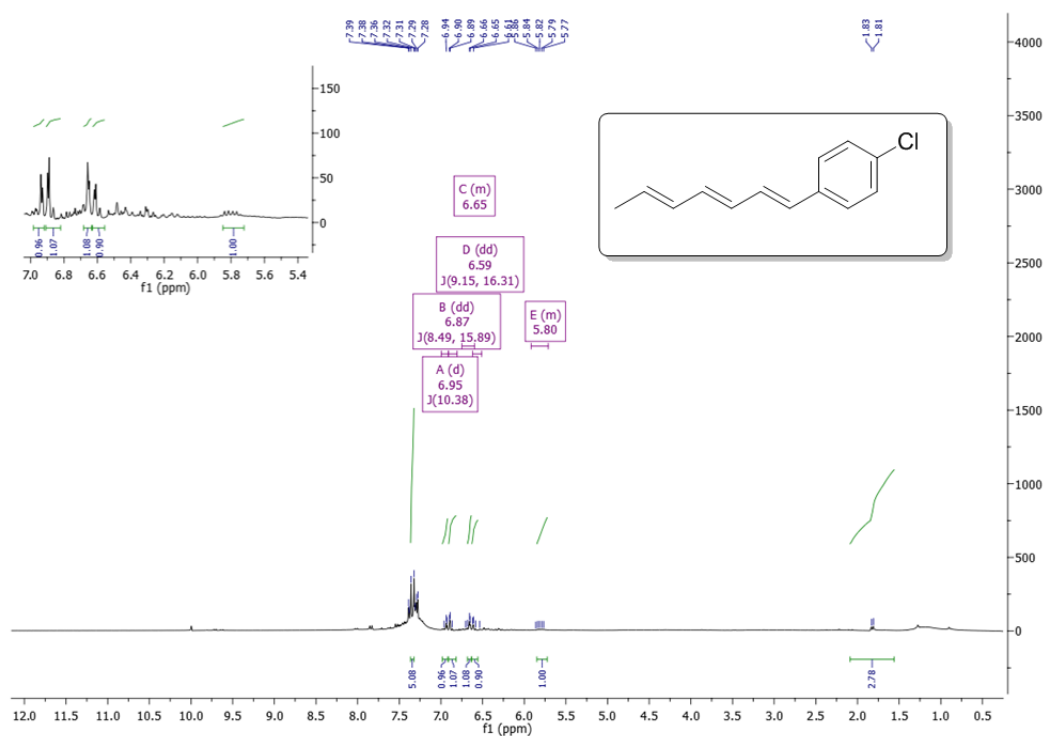


Figure S15. ^1H NMR spectrum of (*E,E,E*)-1-(4-chlorophenyl)hepta-1,3,5-triene (8).

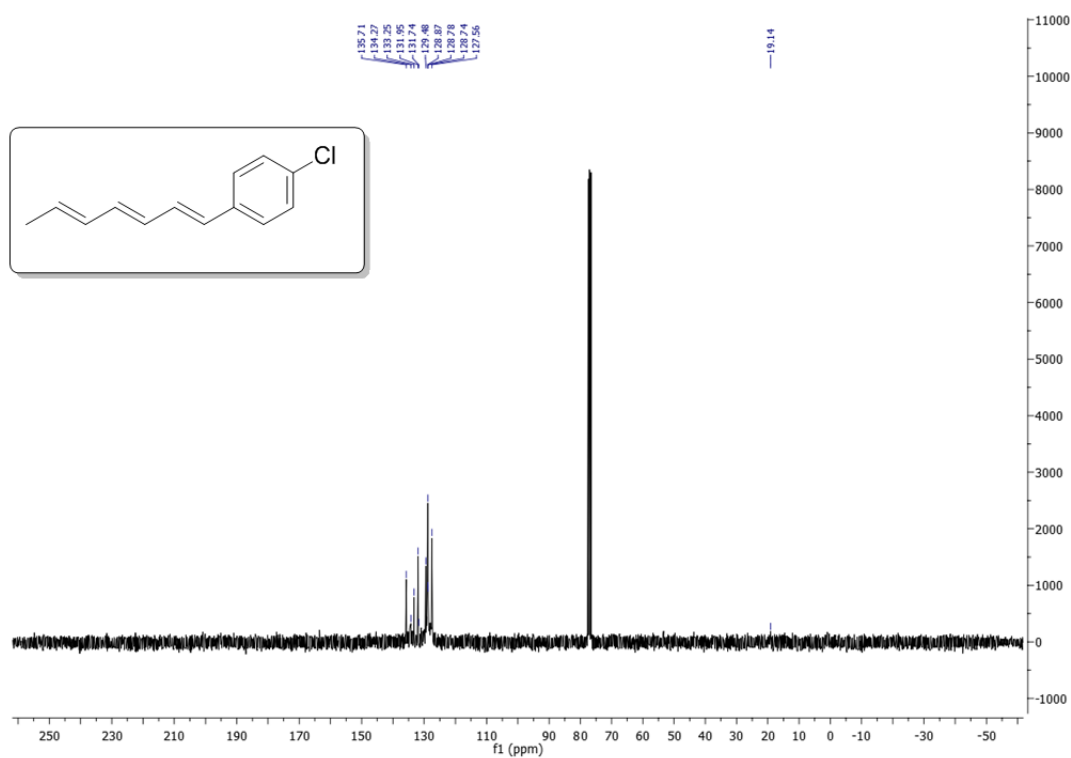


Figure S16. ^{13}C NMR spectrum of (*E,E,E*)-1-(4-chlorophenyl)hepta-1,3,5-triene (8).