

Supplementary Material

Isobornylchalcones as scaffold for the synthesis of diarylpyrazolines with antioxidant activity

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1-(5-(3-Nitrophenyl)-3-(4'-allyloxy-2'-hydroxy-5'-isobornylphenyl)-4,5-dihydro-(1H)-pyrazole-1-yl)ethanone (7a)

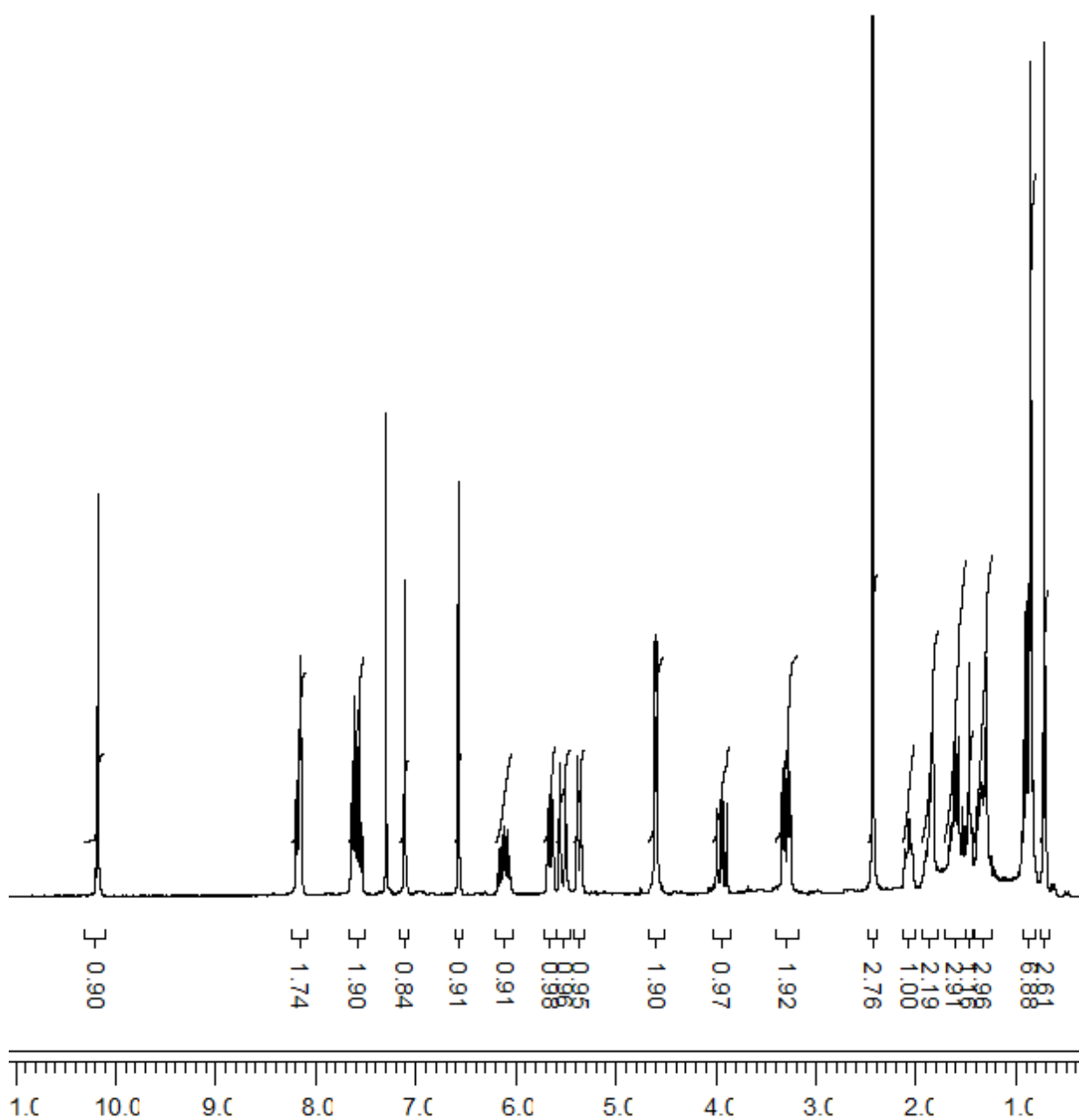
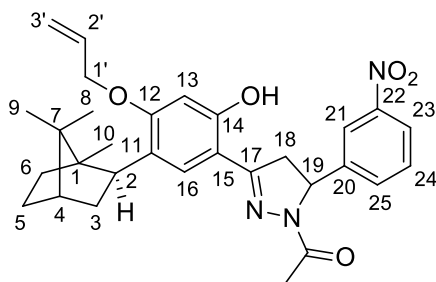


Figure S1: ^1H NMR (CDCl_3) spectrum of compound **7a**.

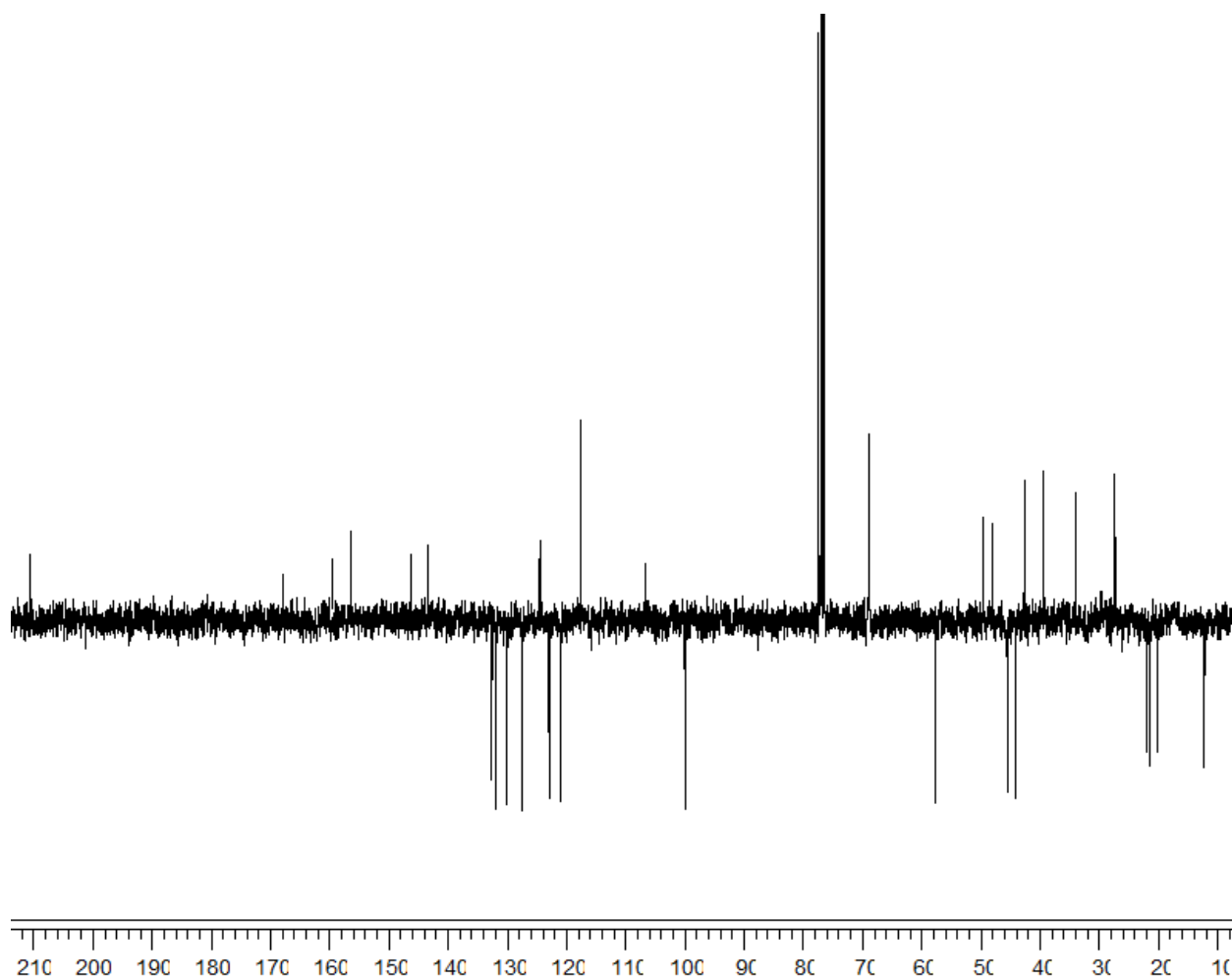


Figure S2: ^{13}C NMR (CDCl_3) spectrum of compound **7a**.

1-(5-(4-Chlorophenyl)-3-(4'-allyloxy-2'-hydroxy-5'-isobornylphenyl)-4,5-dihydro-(1H)-pyrazole-1-yl)etanone (7b)

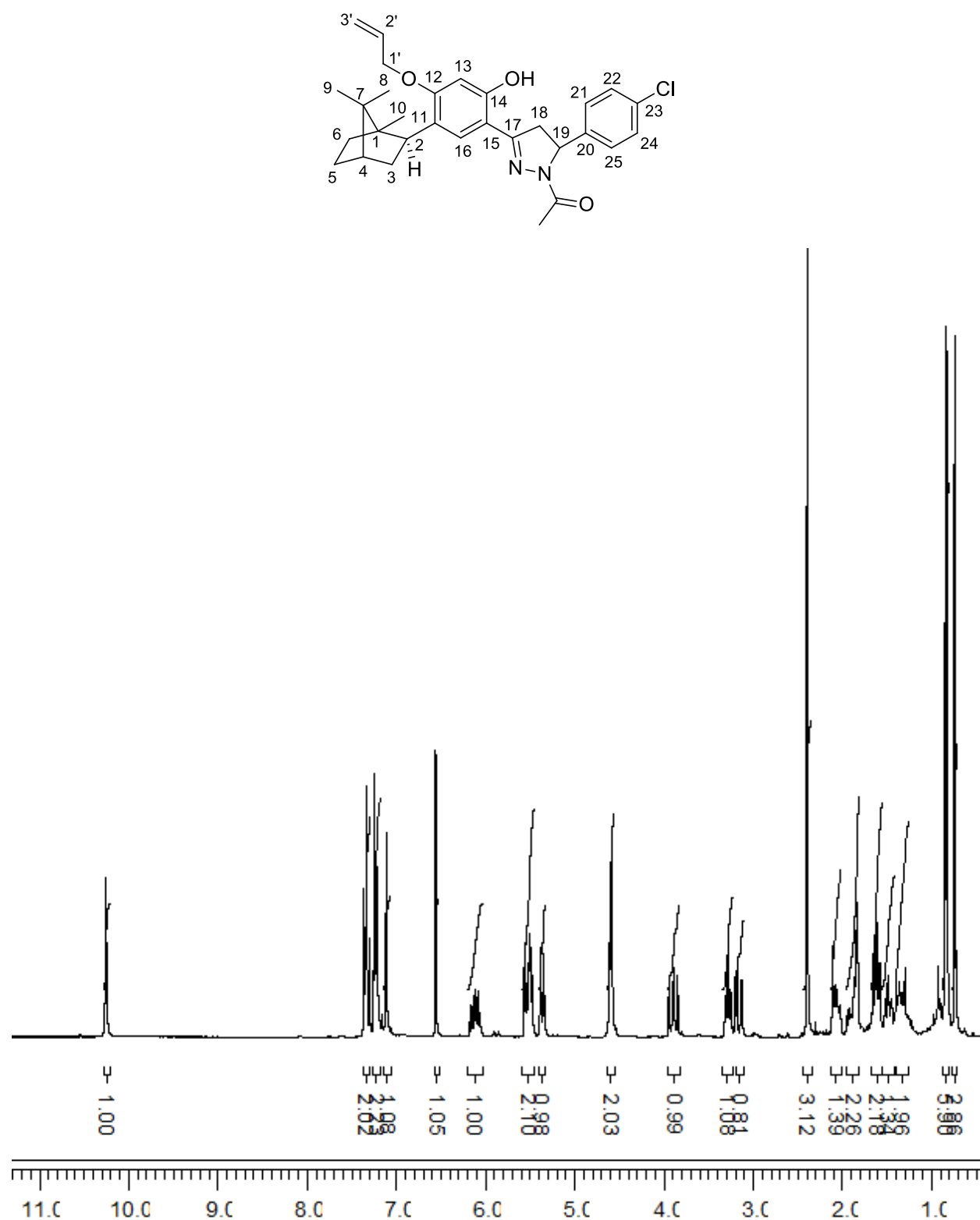


Figure S3: ¹H NMR (CDCl₃) spectrum of compound **7b**.

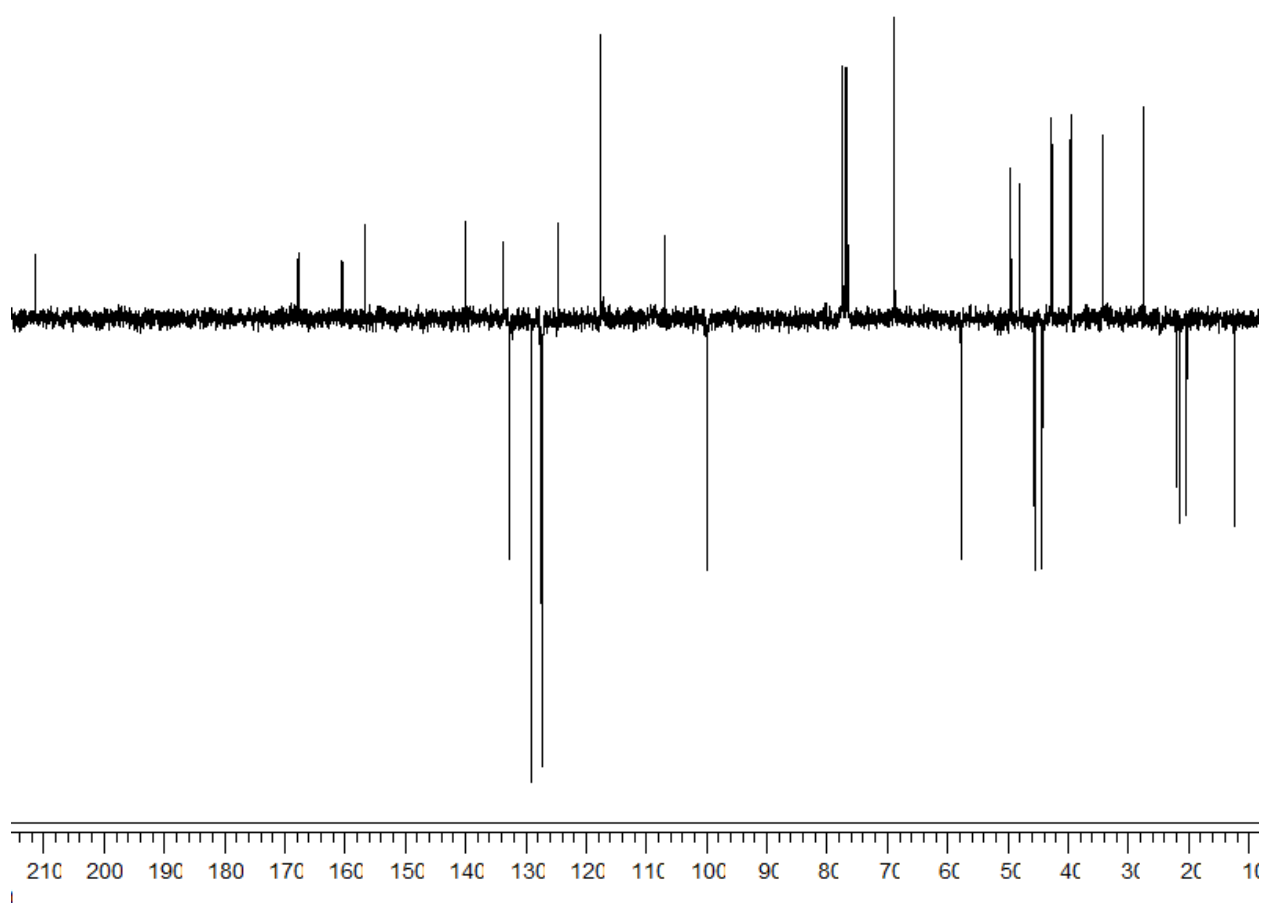


Figure S4: ^{13}C NMR (CDCl_3) spectrum of compound **7b**.

1-(5-(3,4-Dimethoxyphenyl)-3-(4'-allyloxy-2'-hydroxy-5'-isobornylphenyl)-4,5-dihydro-(1H)-pyrazole-1-yl)ethanone (7i)

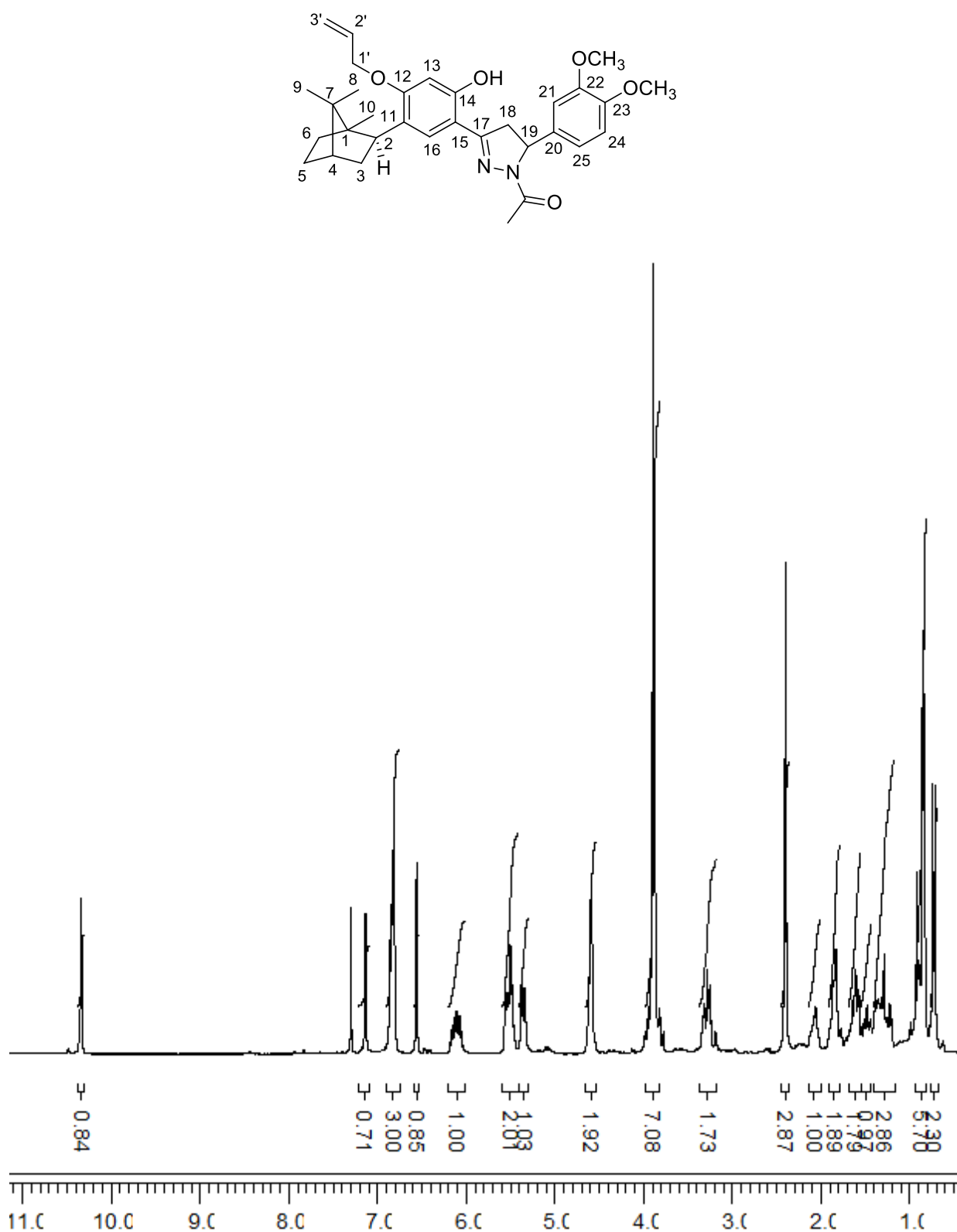


Figure S5: ¹H NMR (CDCl₃) spectrum of compound **7i**.

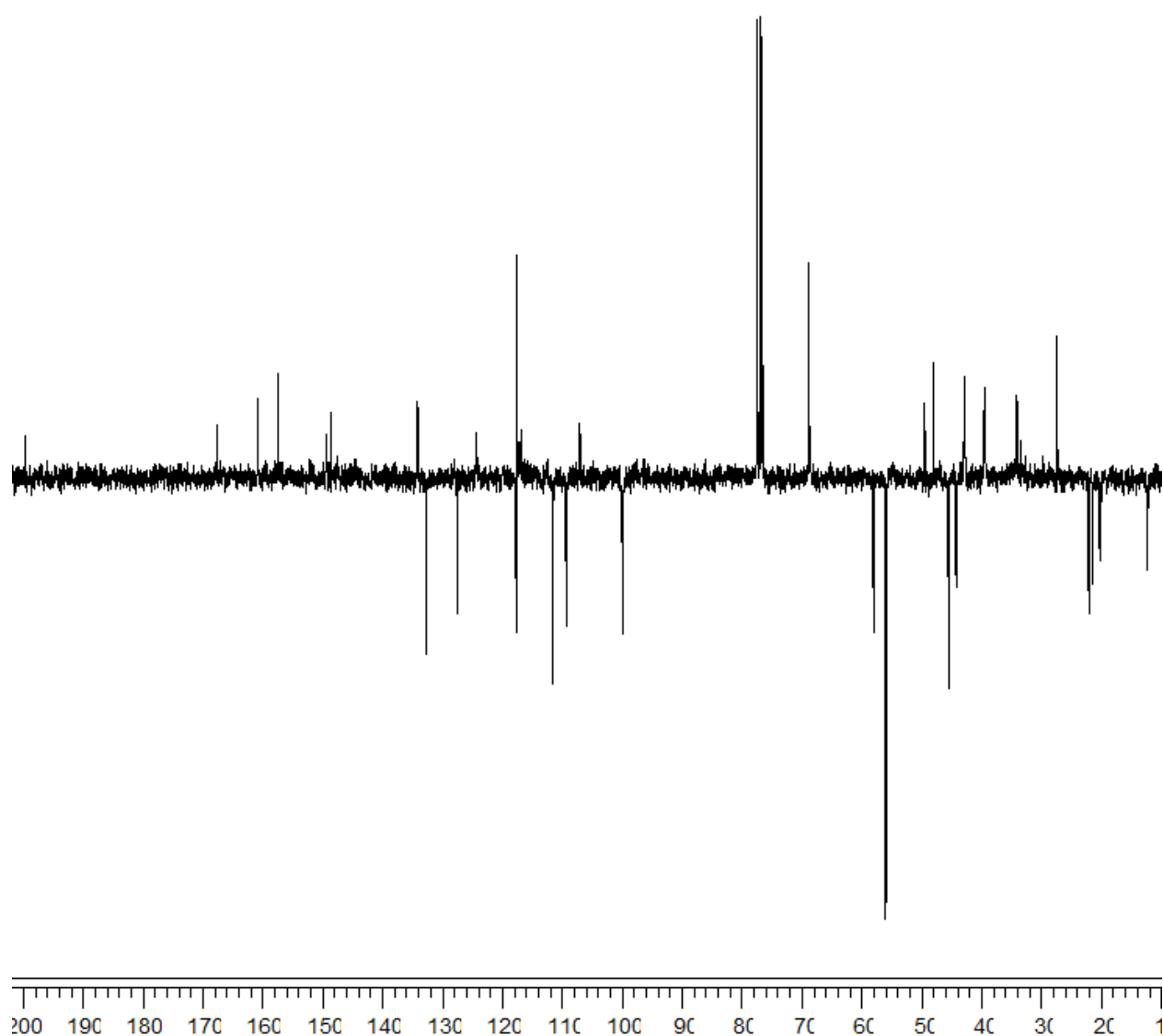


Figure S6: ^{13}C NMR (CDCl_3) spectrum of compound **7i**.

1-(5-(2,4,6-Trimethoxyphenyl)-3-(4'-allyloxy-2'-hydroxy-5'-isobornylphenyl)-4,5-dihydro-(1H)-pyrazole-1-yl)ethanone (7j)

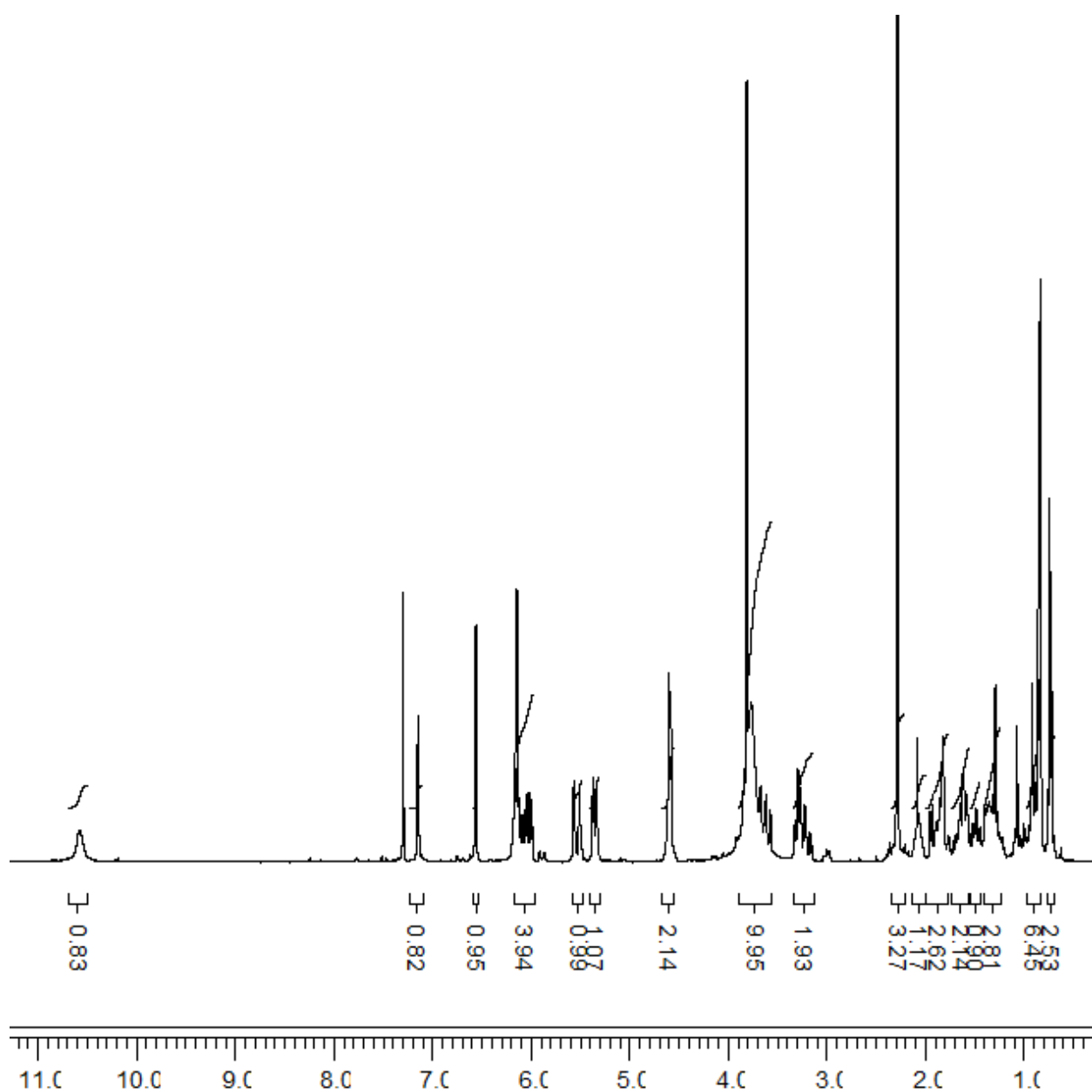
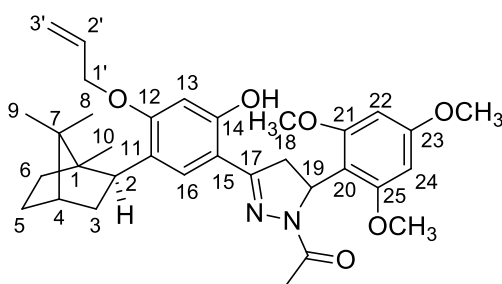


Figure S7: ^1H NMR (CDCl_3) spectrum of compound **7j**.

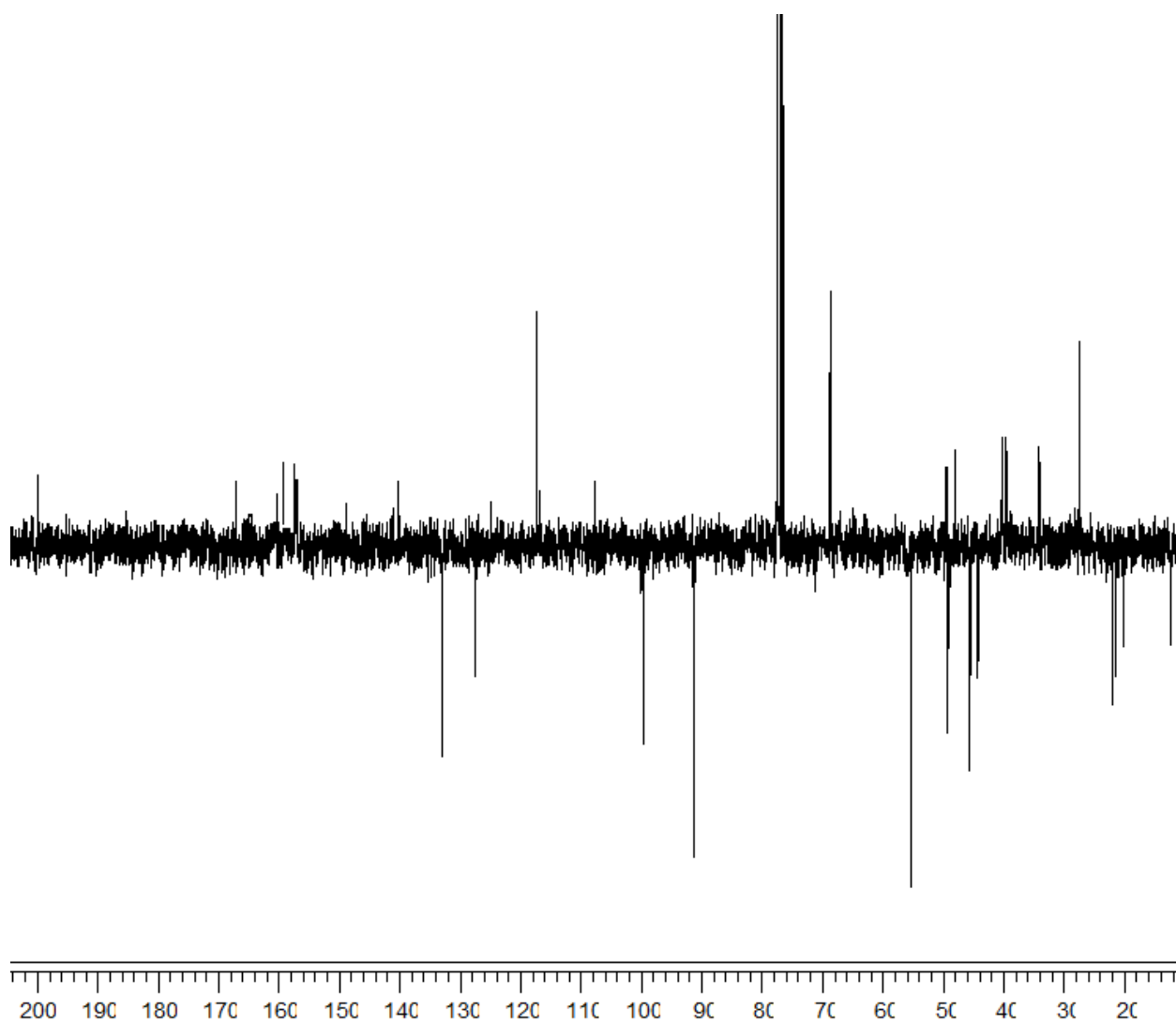


Figure S8: ^{13}C NMR (CDCl_3) spectrum of compound **7j**.

1-(5-(3-Nitrophenyl)-3-(2',4'-diallyloxy-5'-isobornylphenyl)-4,5-dihydro-(1H)-pyrazole-1-yl)ethanone (9a)

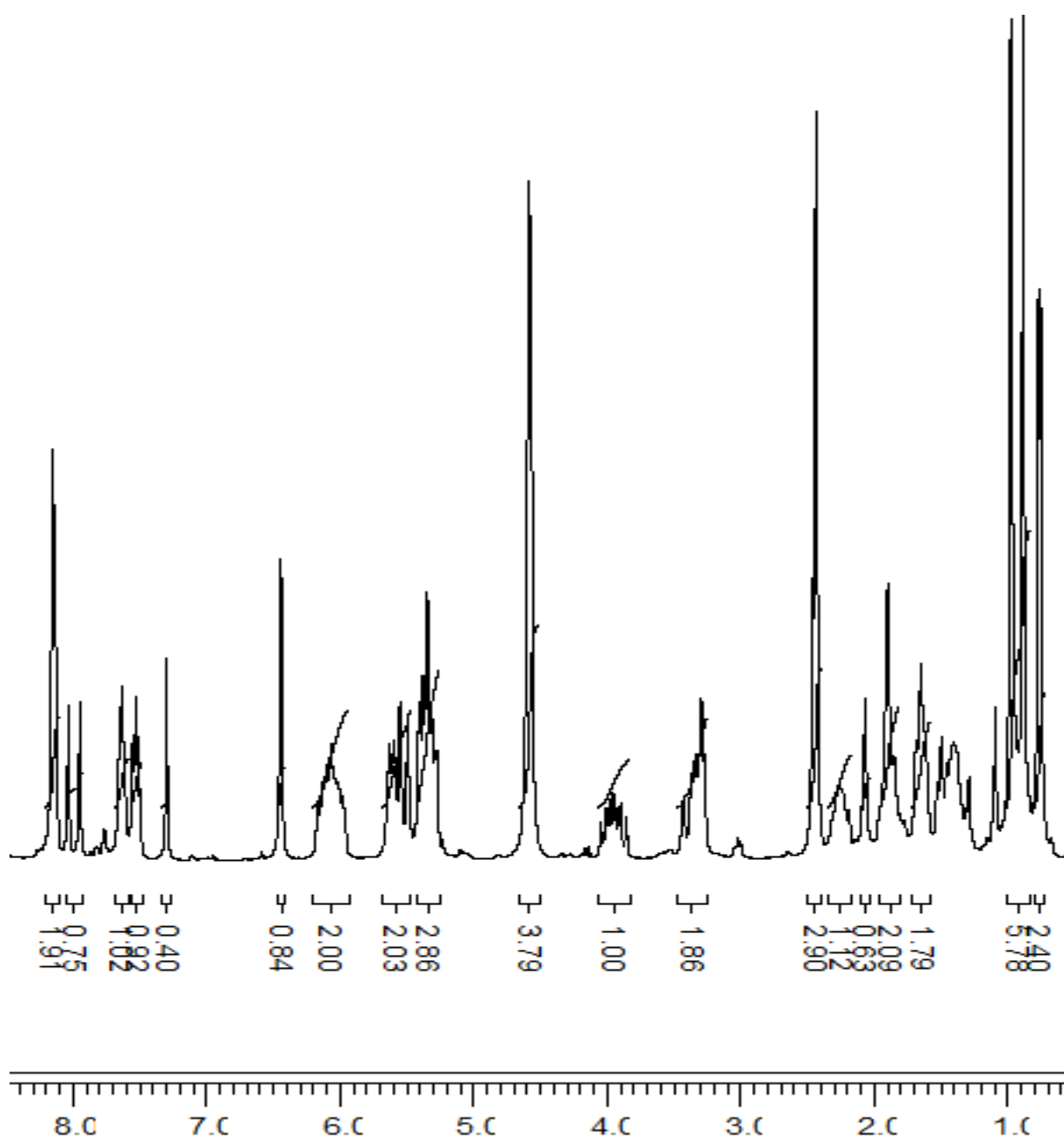
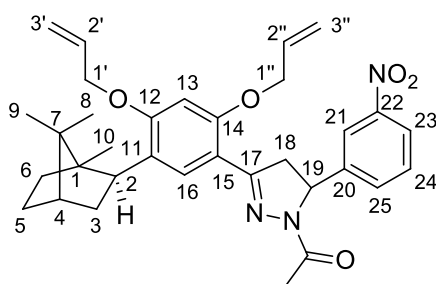


Figure S9: ^1H NMR (CDCl_3) spectrum of compound **9a**.

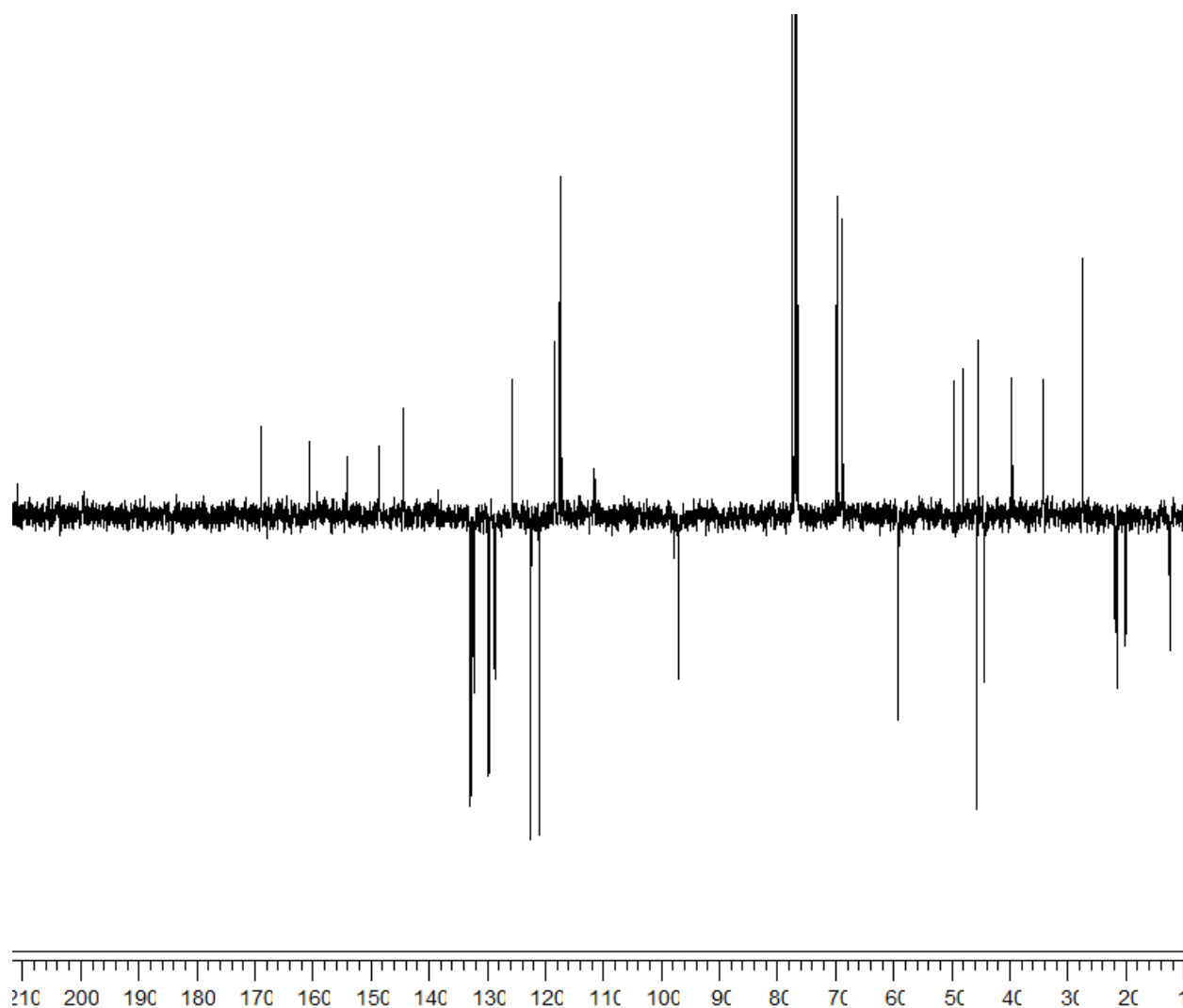


Figure S10: ^{13}C NMR (CDCl_3) spectrum of compound **9a**.

1-(5-(4-Chlorophenyl)-3-(2',4'-diallyloxy-5'-isobornylphenyl)-4,5-dihydro-(1H)-pyrazole-1-yl)ethanone (9b)

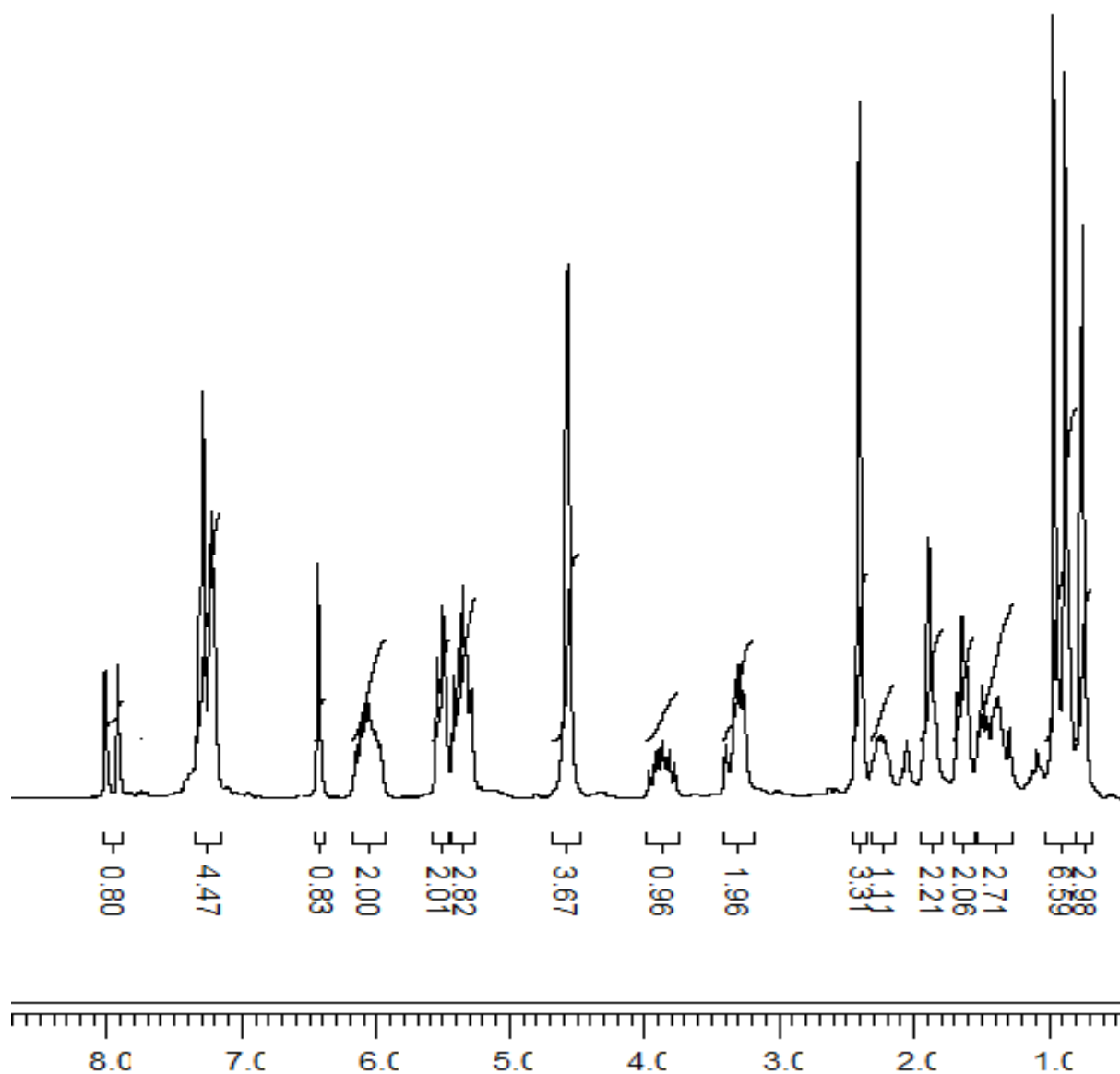
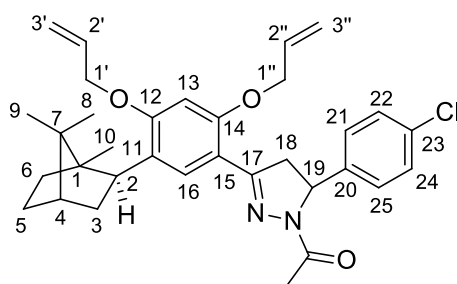


Figure S11: ^1H NMR (CDCl_3) spectrum of compound **9b**.

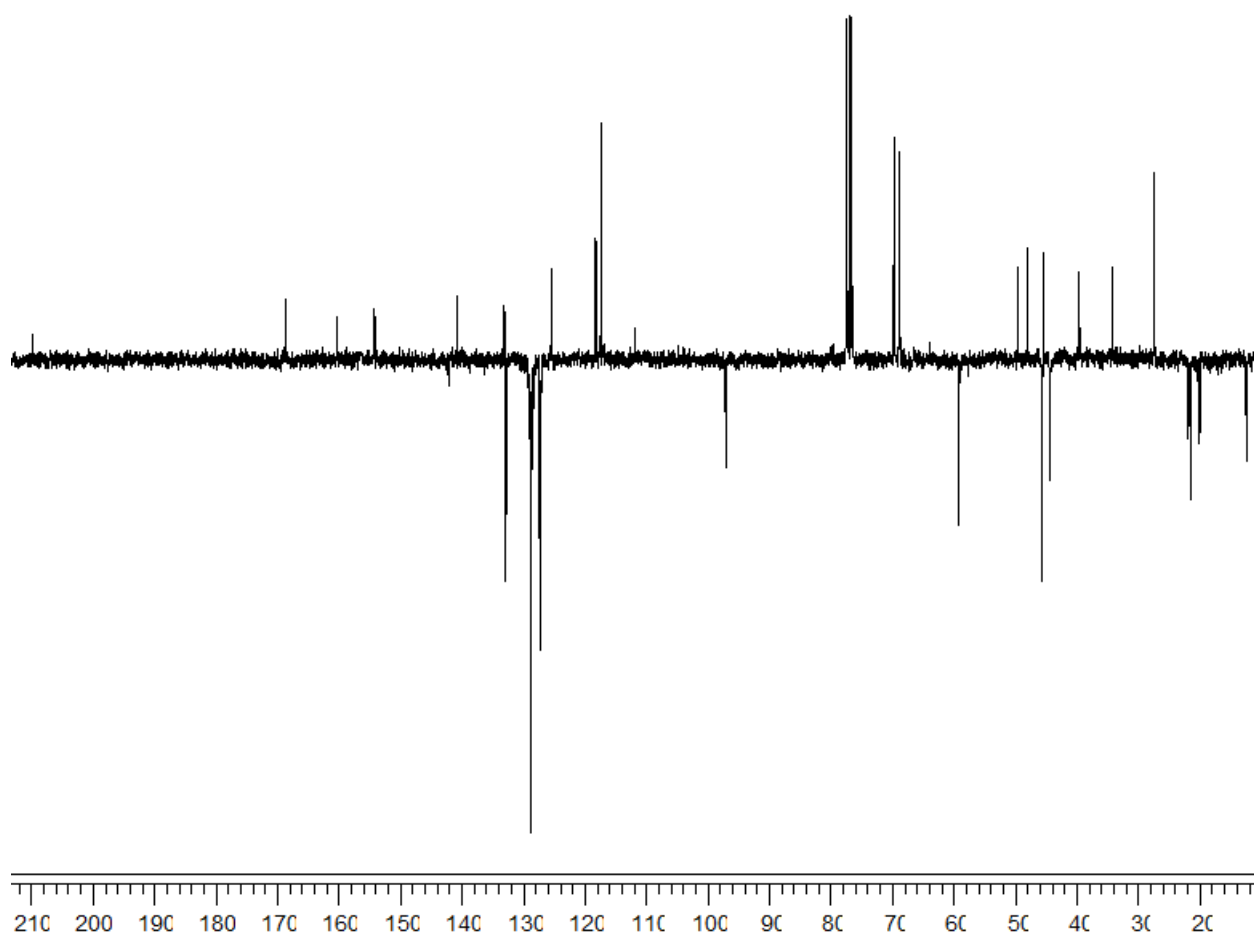


Figure S12: ^{13}C NMR (CDCl_3) spectrum of compound **9b**.

1-(5-(3,4-Dimethoxyphenyl)-3-(2',4'-diallyloxy-5'-isobornylphenyl)-4,5-dihydro-(1H)-pyrazole-1-yl)etanone (9i)

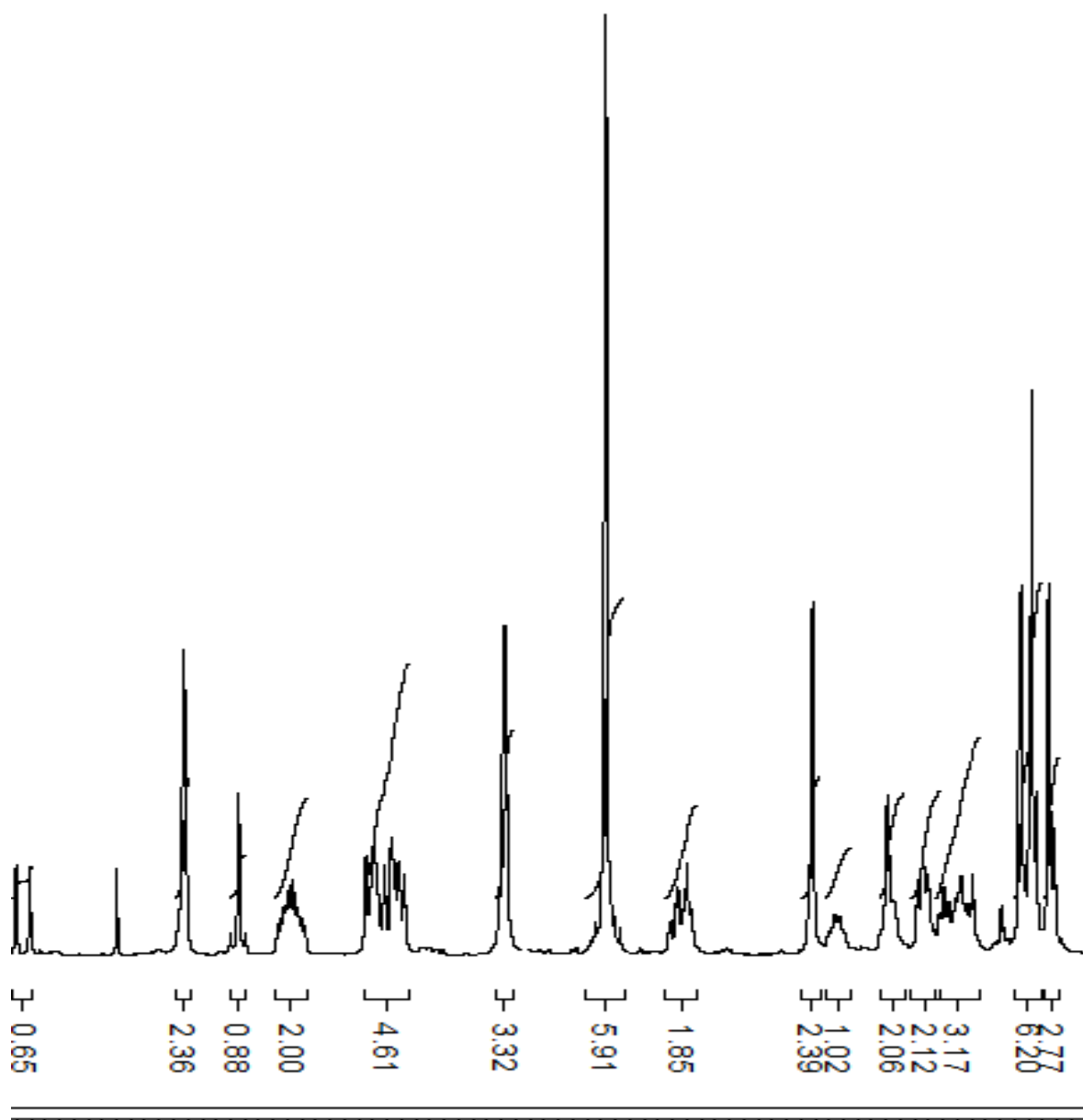
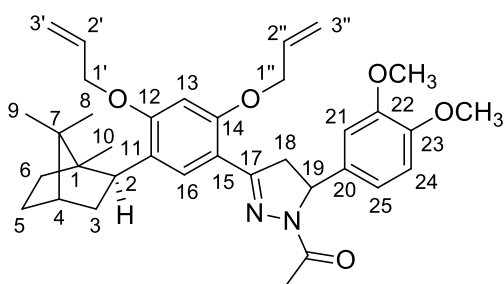


Figure S13: ^1H NMR (CDCl_3) spectrum of compound **9i**.

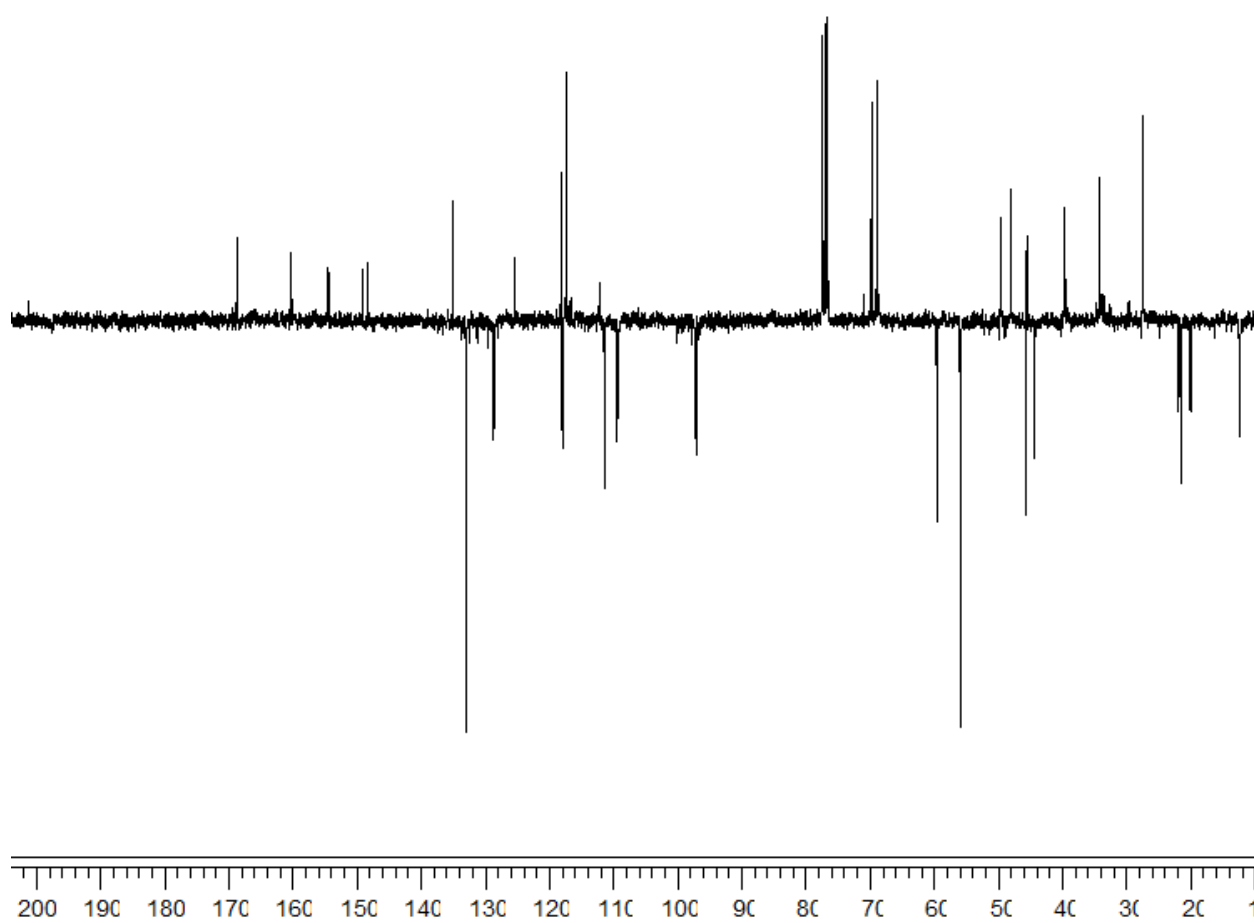


Figure S14: ^{13}C NMR (CDCl_3) spectrum of compound **9i**.

1-(5-(3,4,5-Trimethoxyphenyl)-3-(2',4'-diallyloxy-5'-isobornylphenyl)-4,5-dihydro-(1H)-pyrazole-1-yl)ethanone (9k)

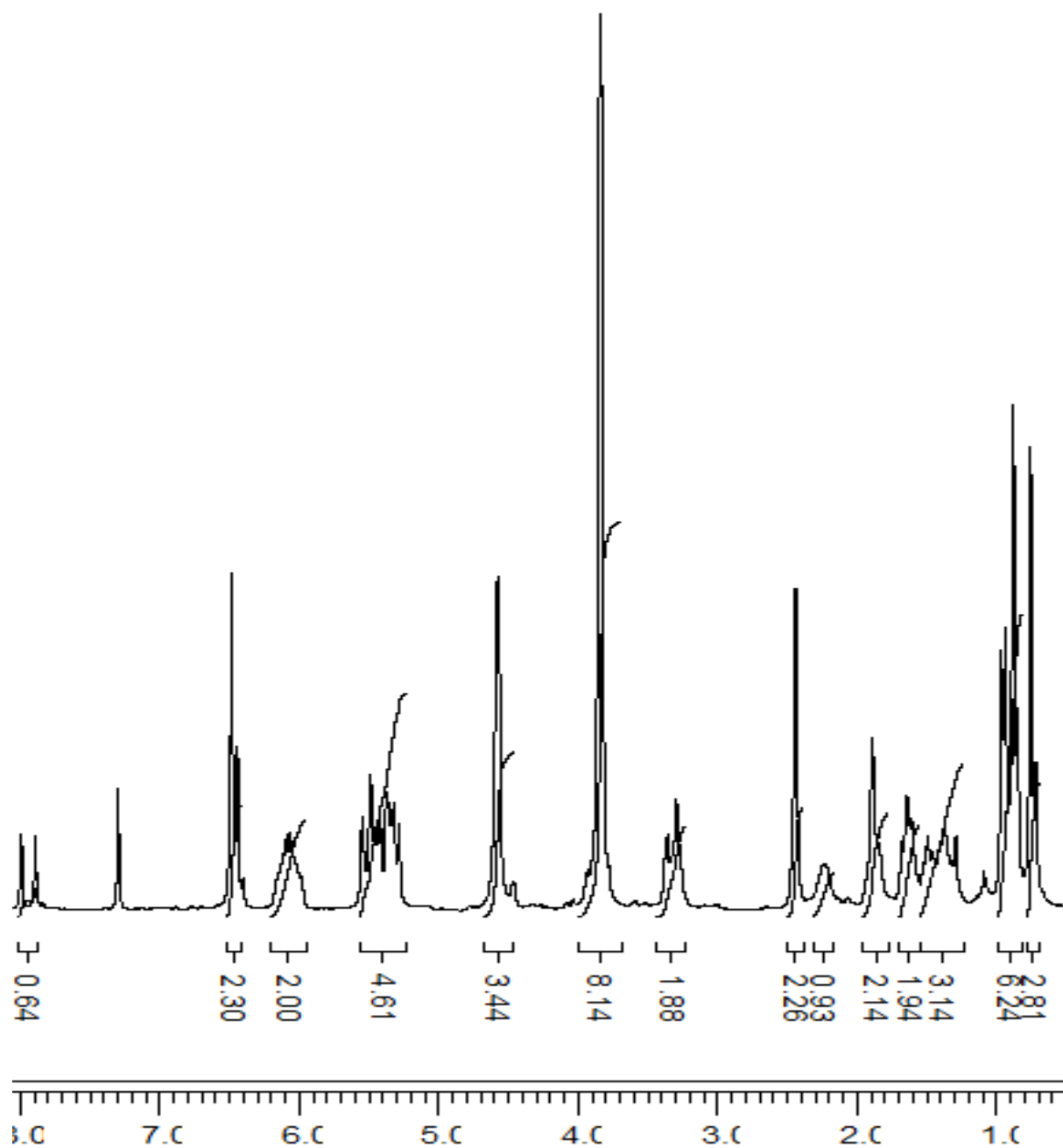
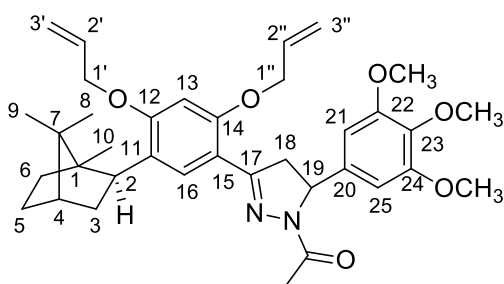


Figure S15: ^1H NMR (CDCl_3) spectrum of compound **9k**.

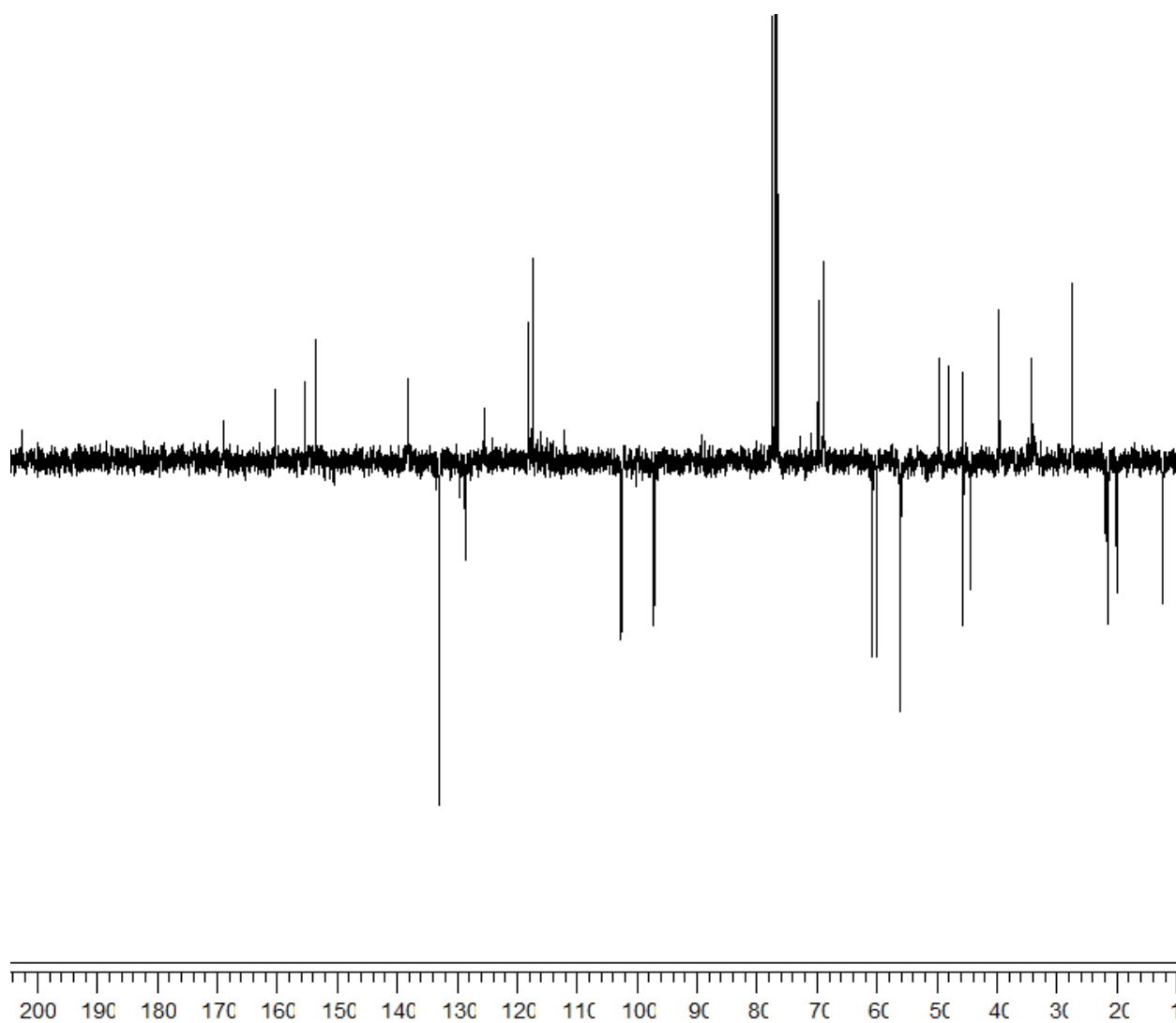


Figure S16: ^{13}C NMR (CDCl_3) spectrum of compound **9k**.