

Supplementary Material

Bioinspired stereoselective synthesis of chiral 2,5-diaryl-3,4-dimethyltetrahydrofurans from unprotected 1,4-diarylbutane-1,4-diols

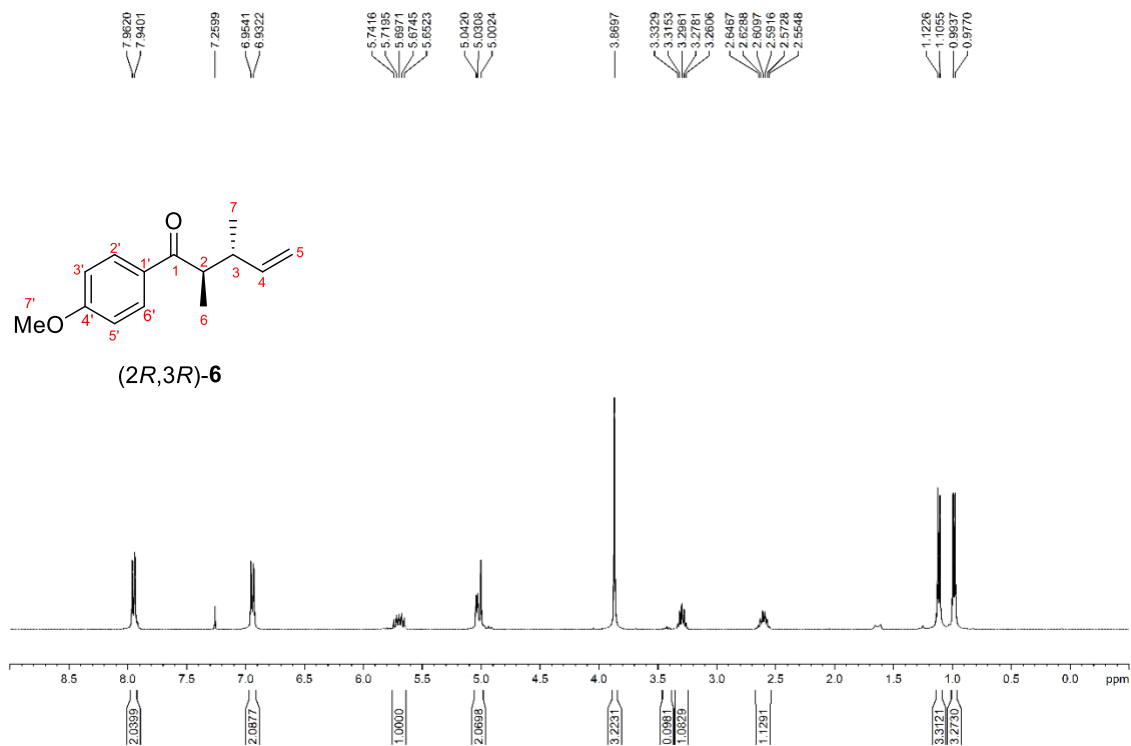
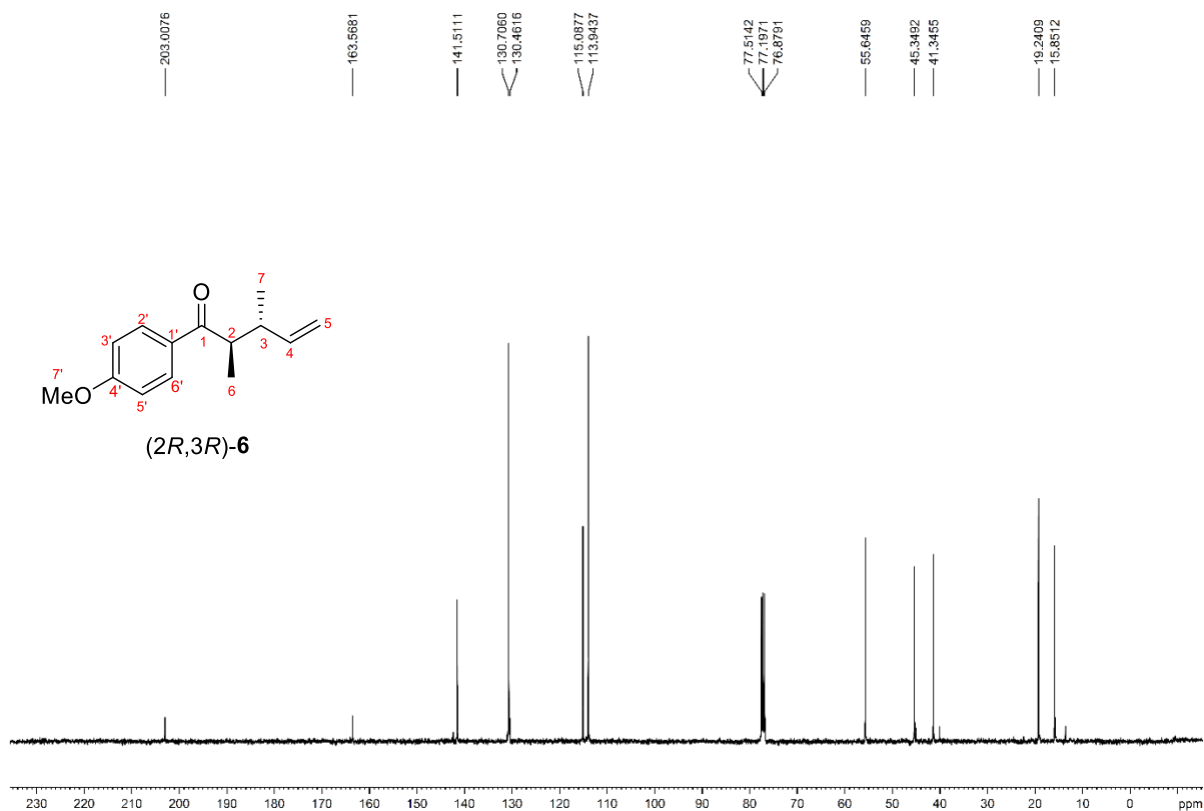
Rungrawin Chatpreecha, Chutima Kuhakarn, Pawaret Leowanawat, Vichai Reutrakul, and Darunee Soorukram*

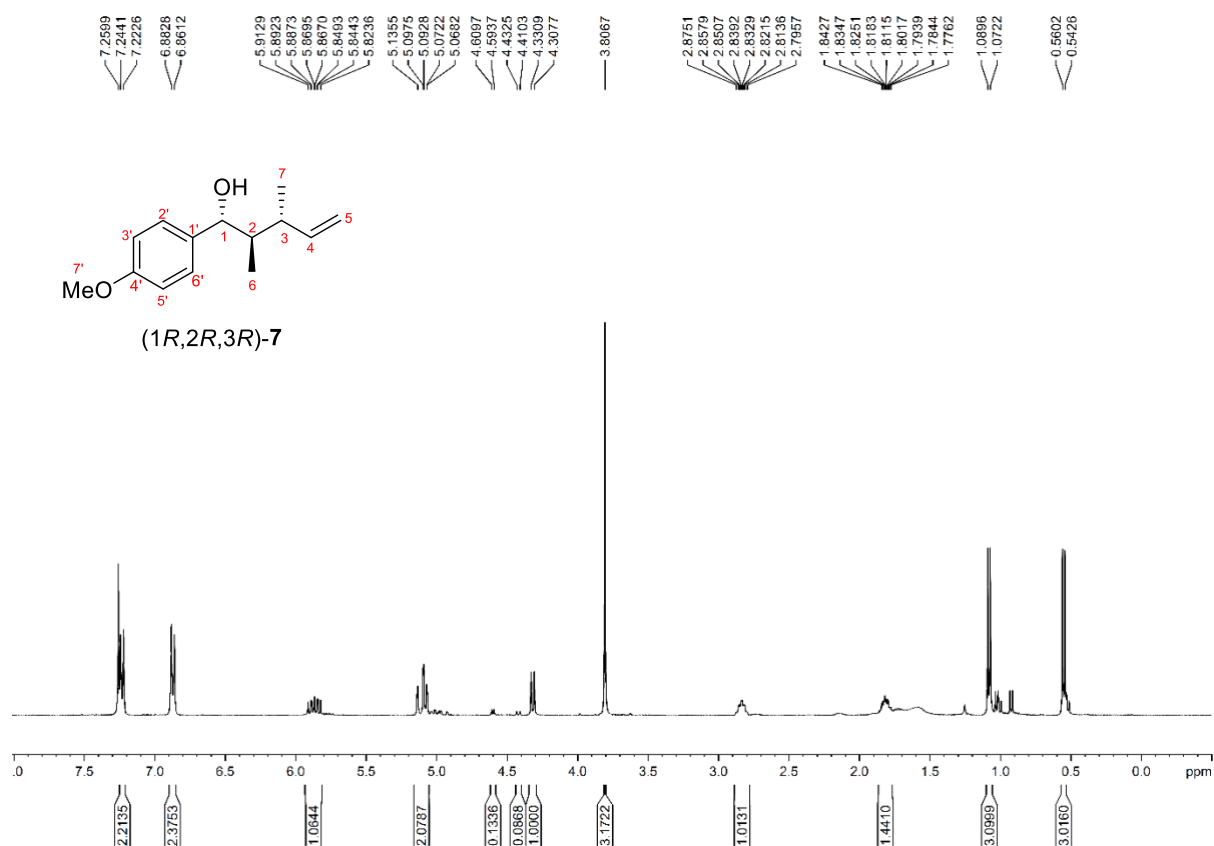
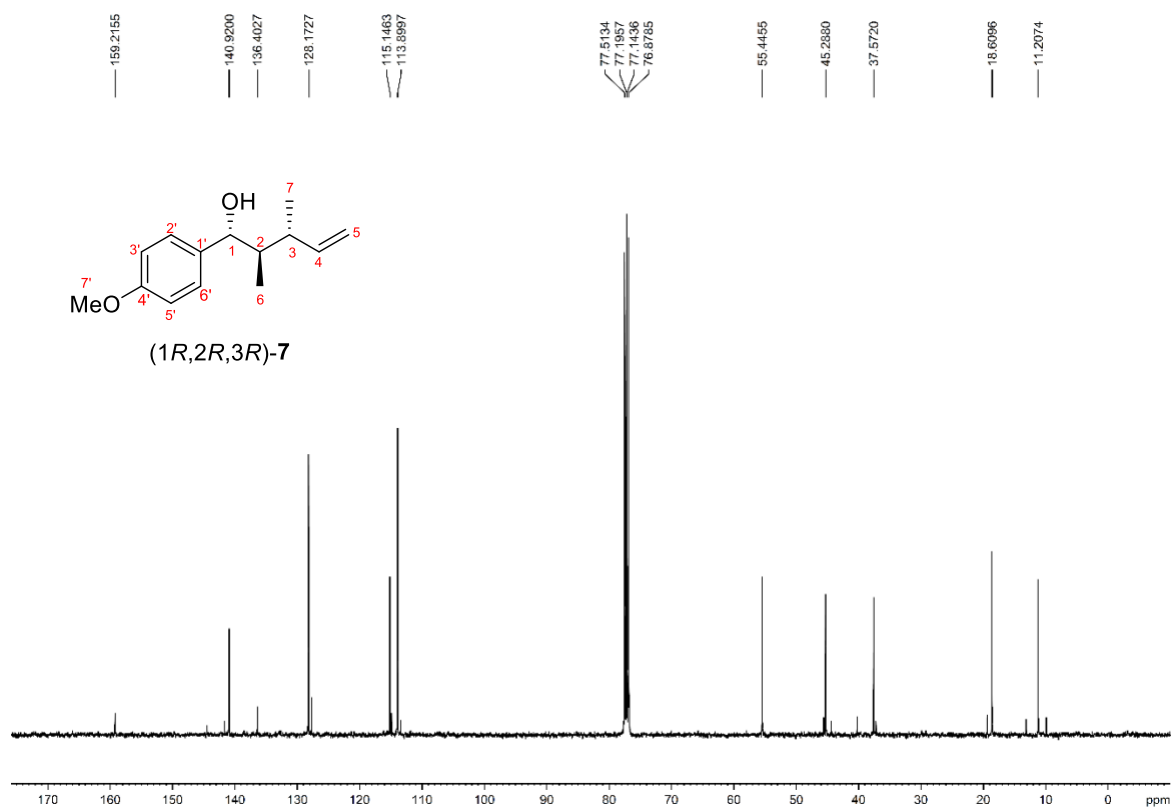
Department of Chemistry and Center of Excellence for Innovation in Chemistry (PERCH-CIC), Faculty of Science, Mahidol University, Rama VI Road, Bangkok 10400, Thailand

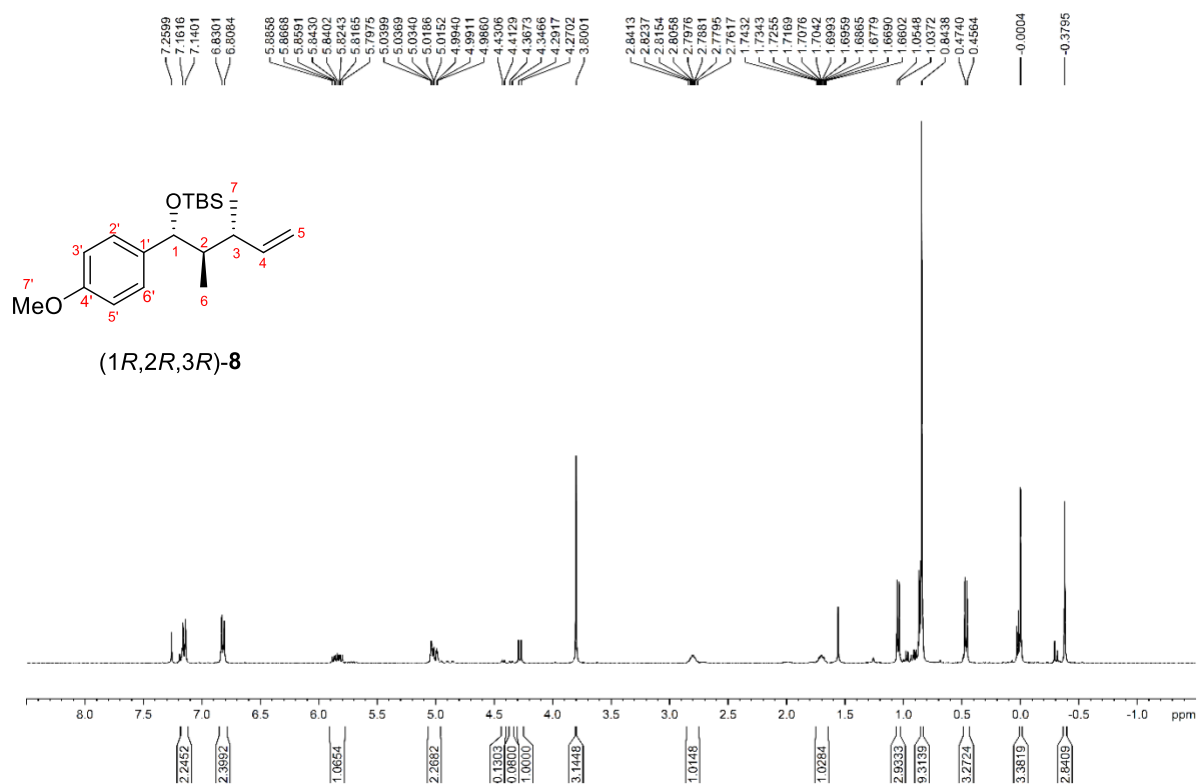
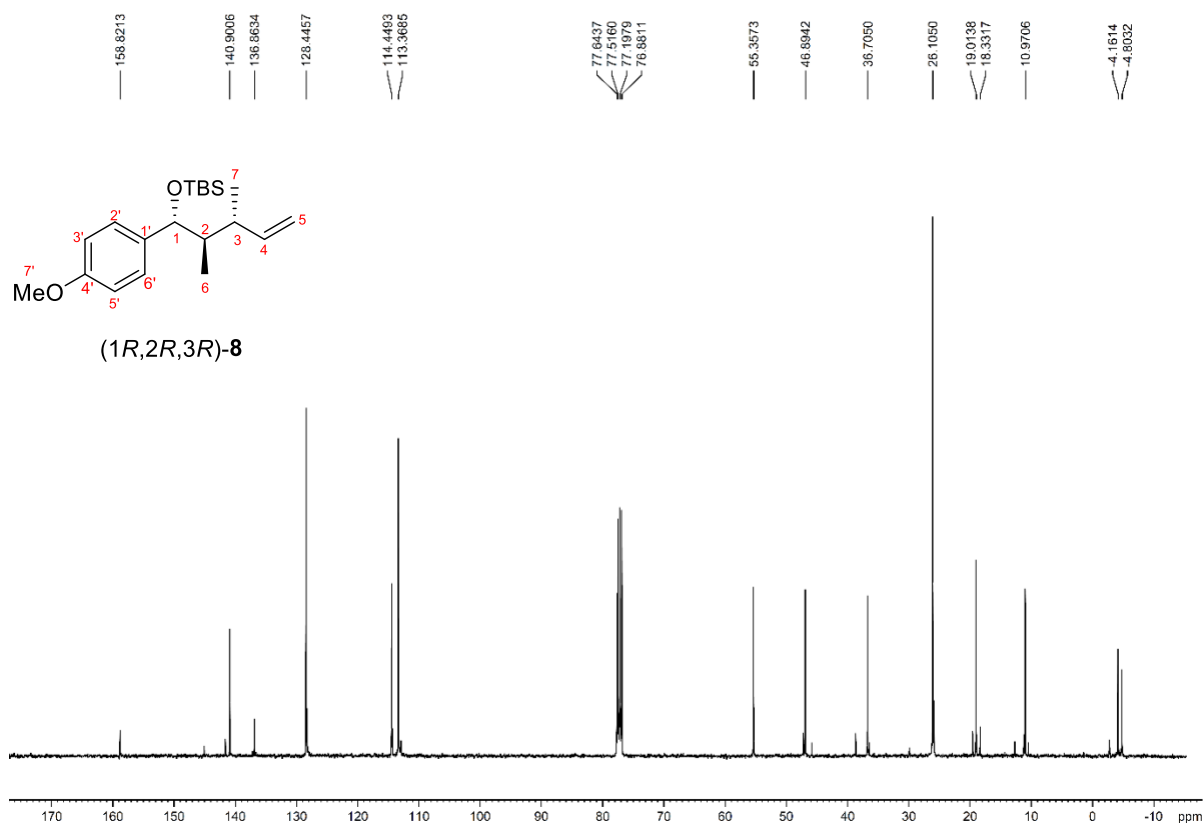
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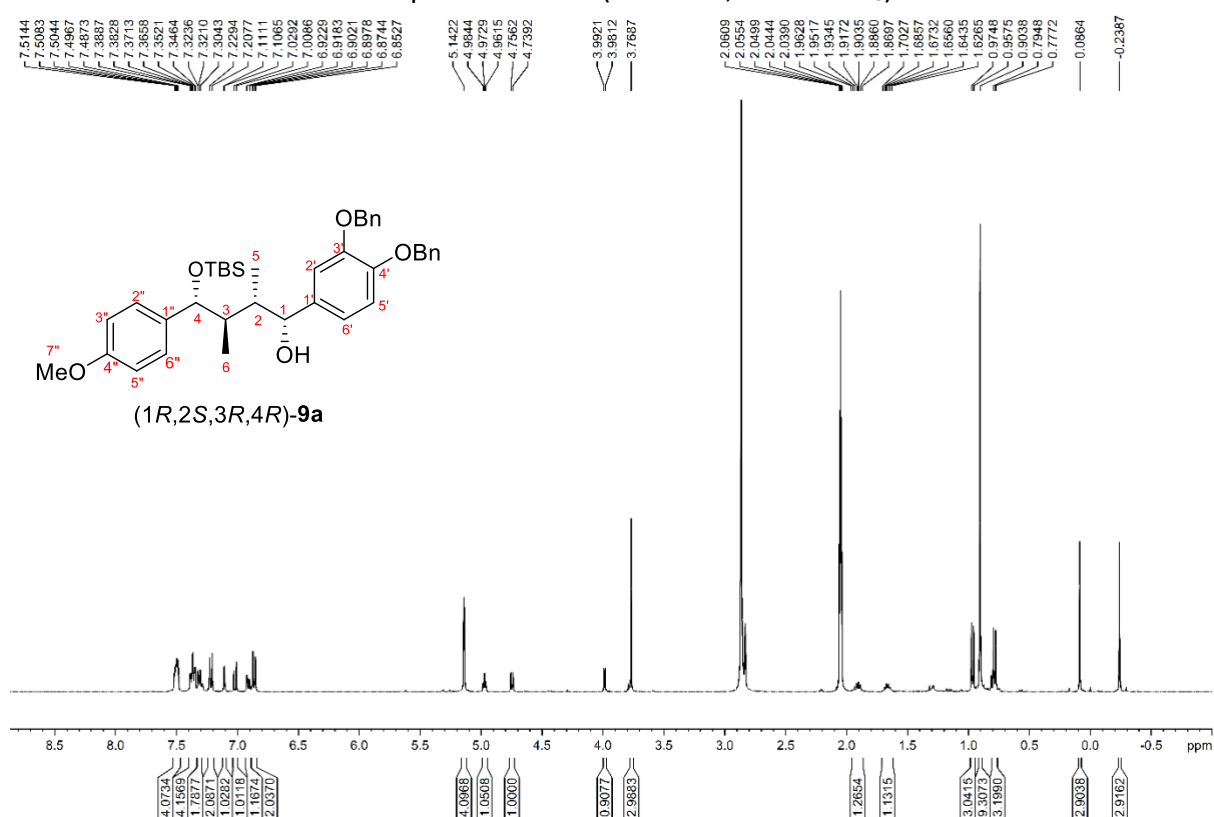
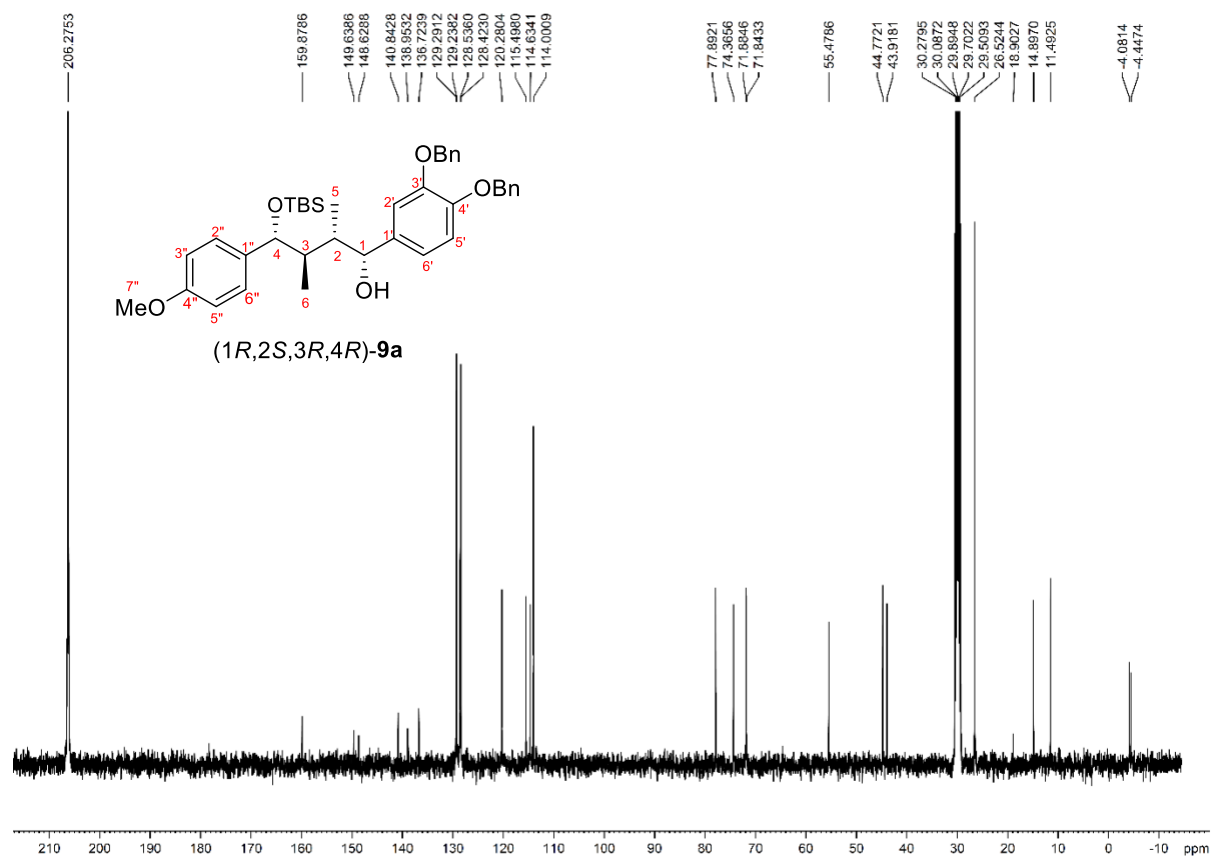
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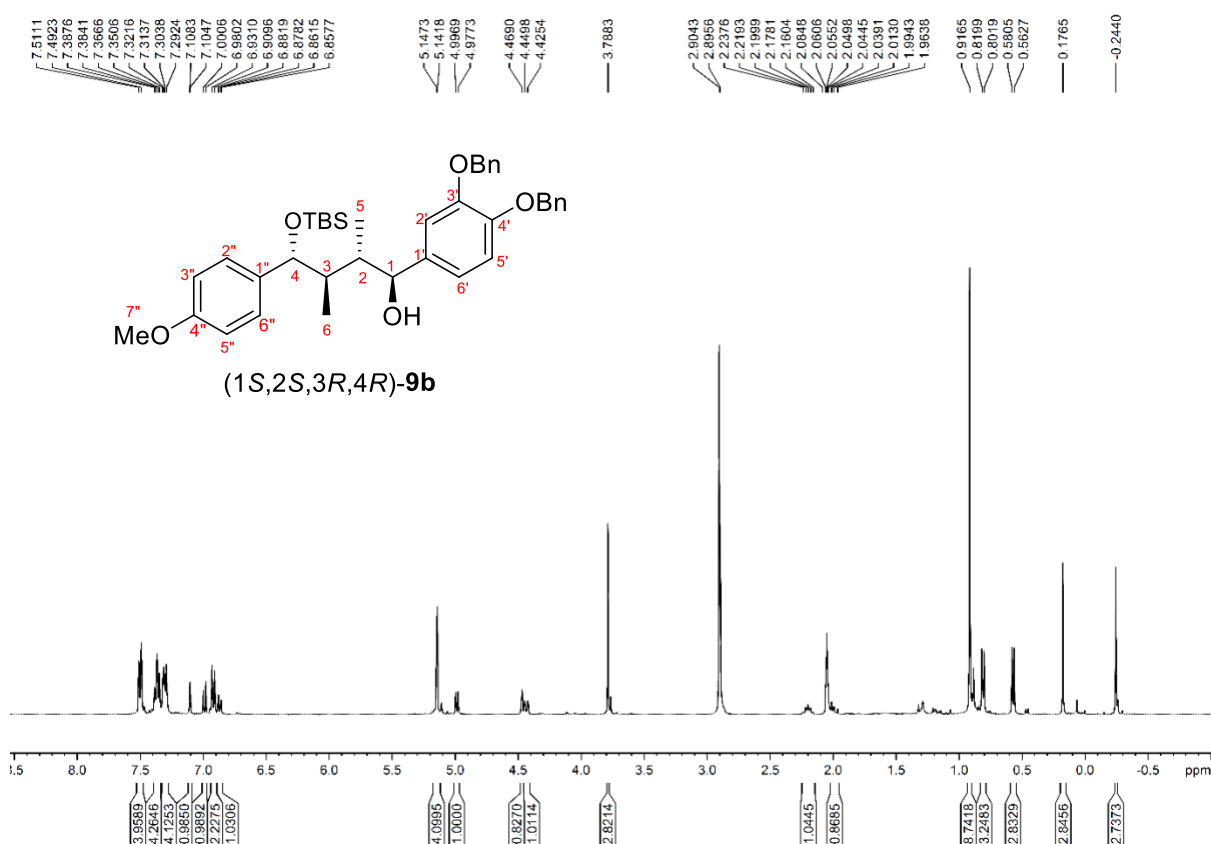
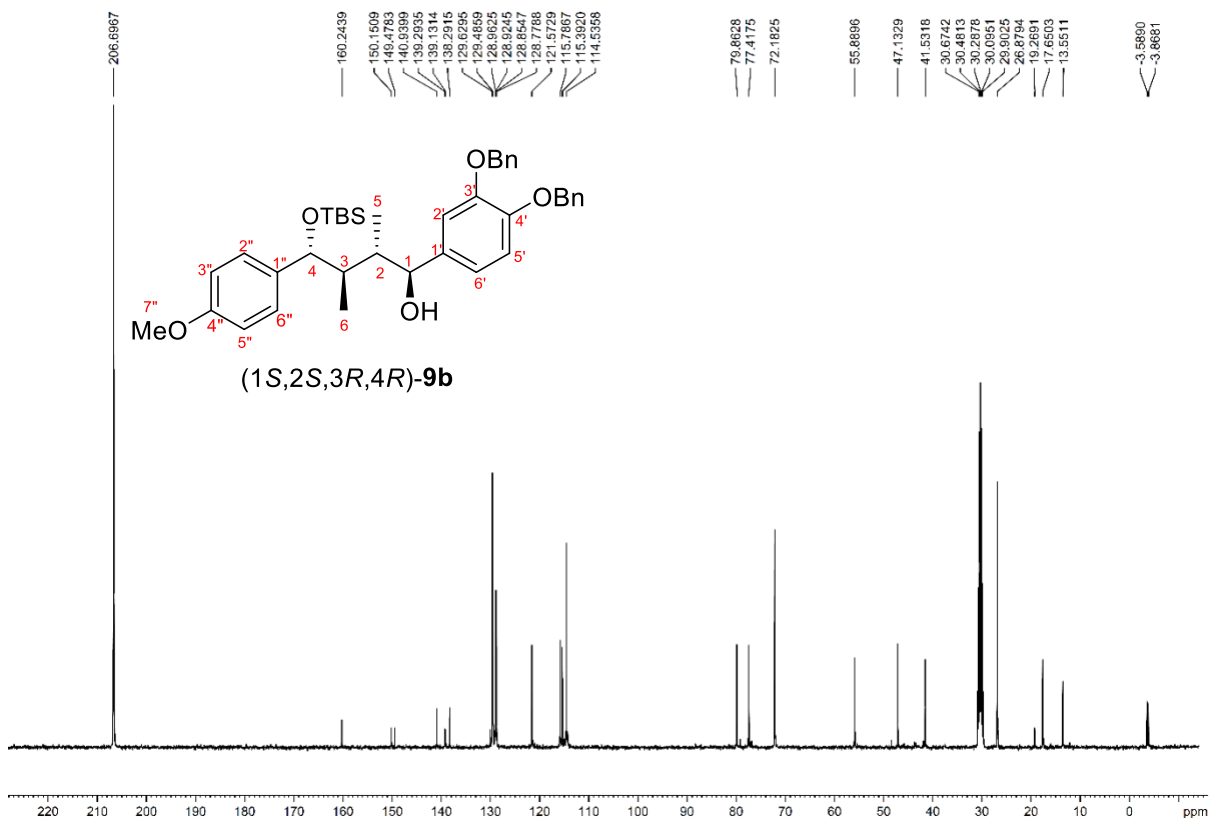
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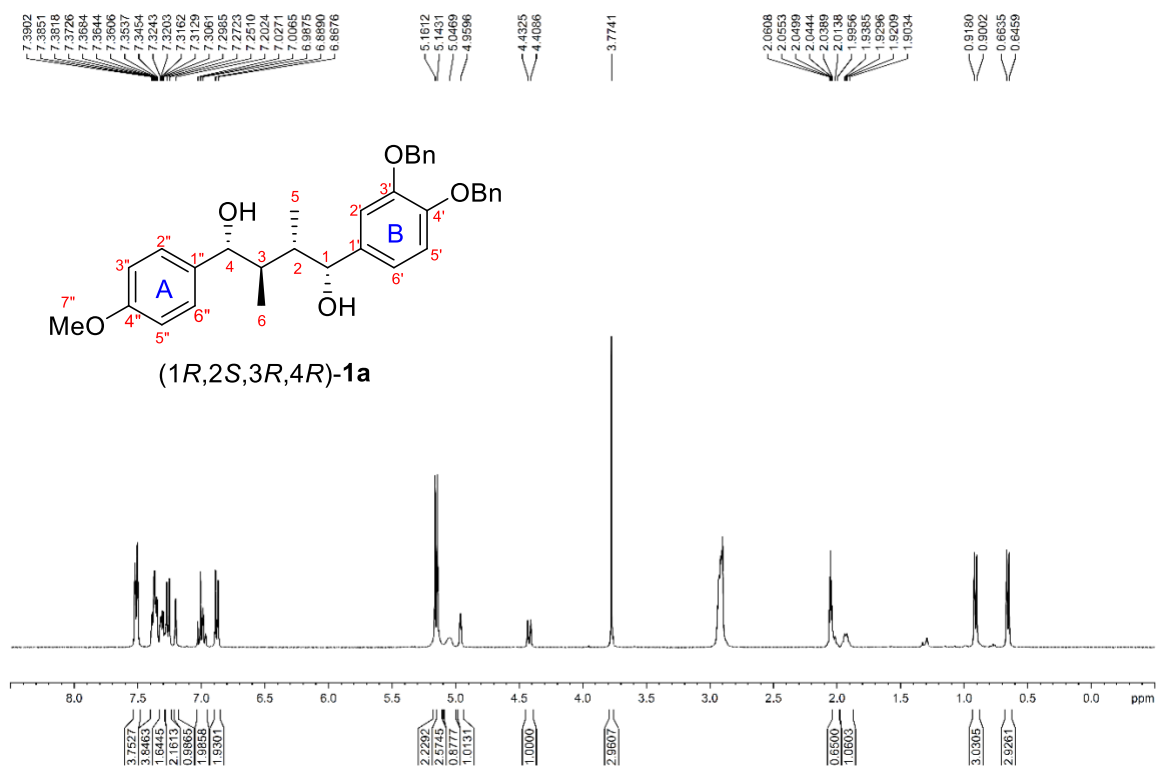
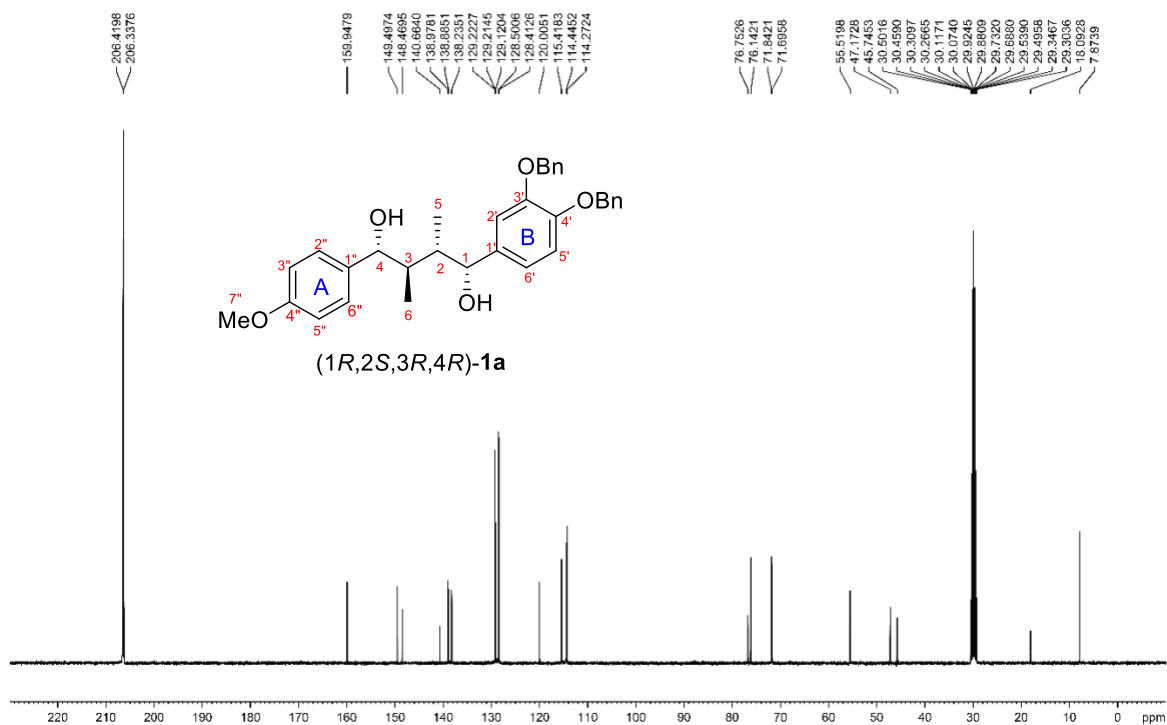
^1H NMR spectrum of **6** (400 MHz, CDCl_3) ^{13}C NMR spectrum of **6** (100 MHz, CDCl_3)

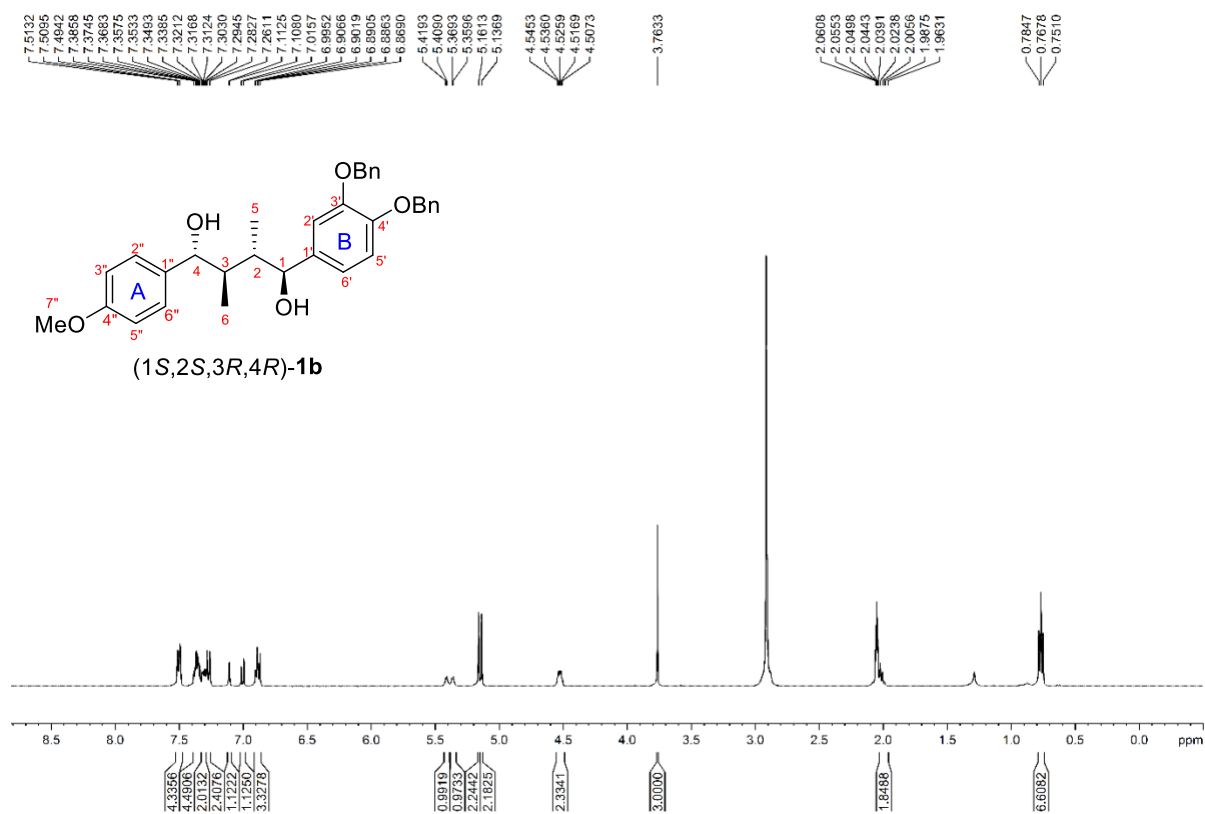
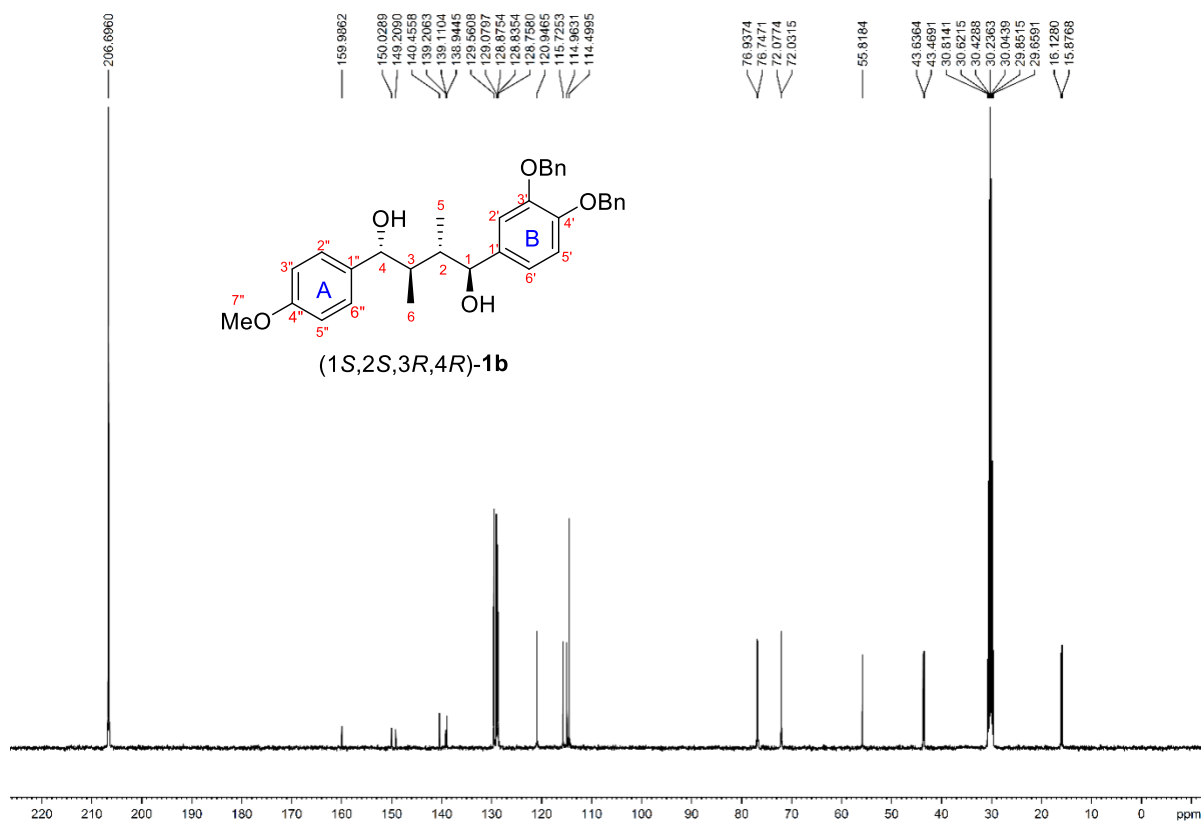
^1H NMR spectrum of **7** (400 MHz, CDCl_3) ^{13}C NMR spectrum of **7** (100 MHz, CDCl_3)

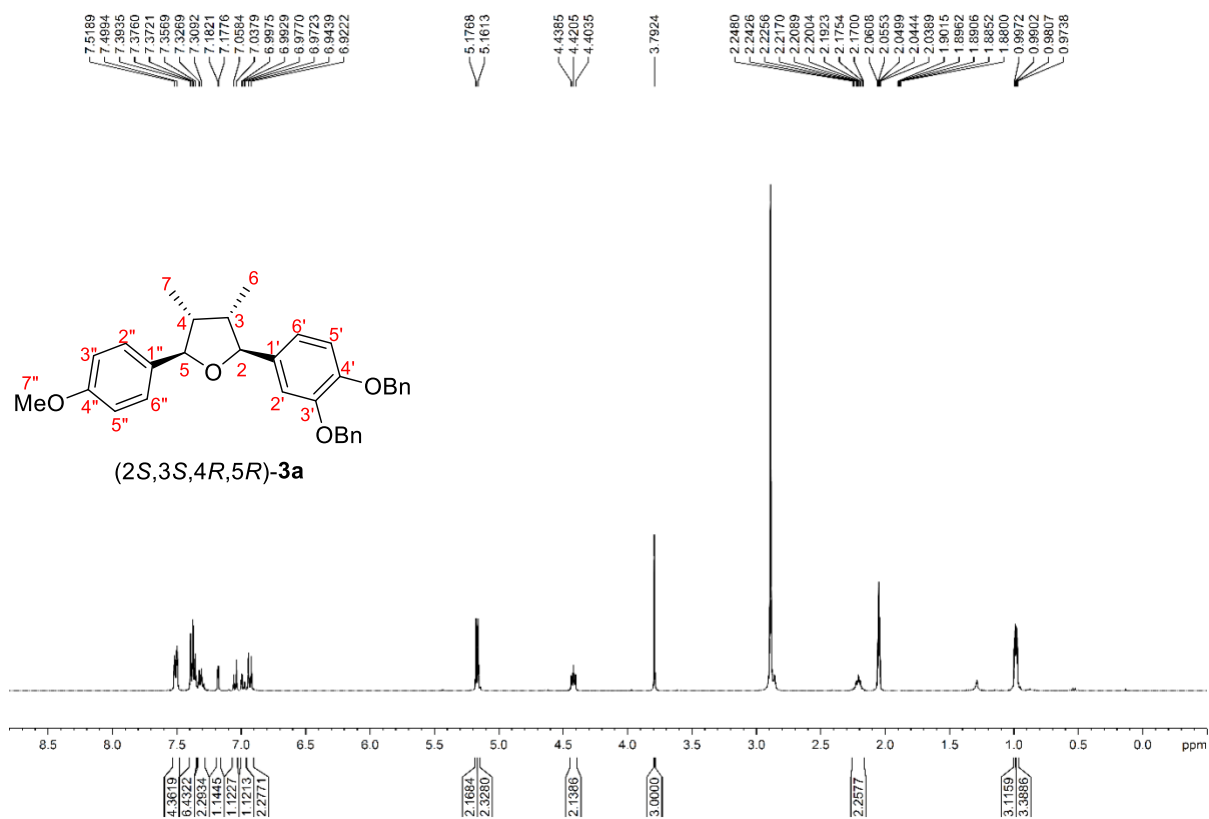
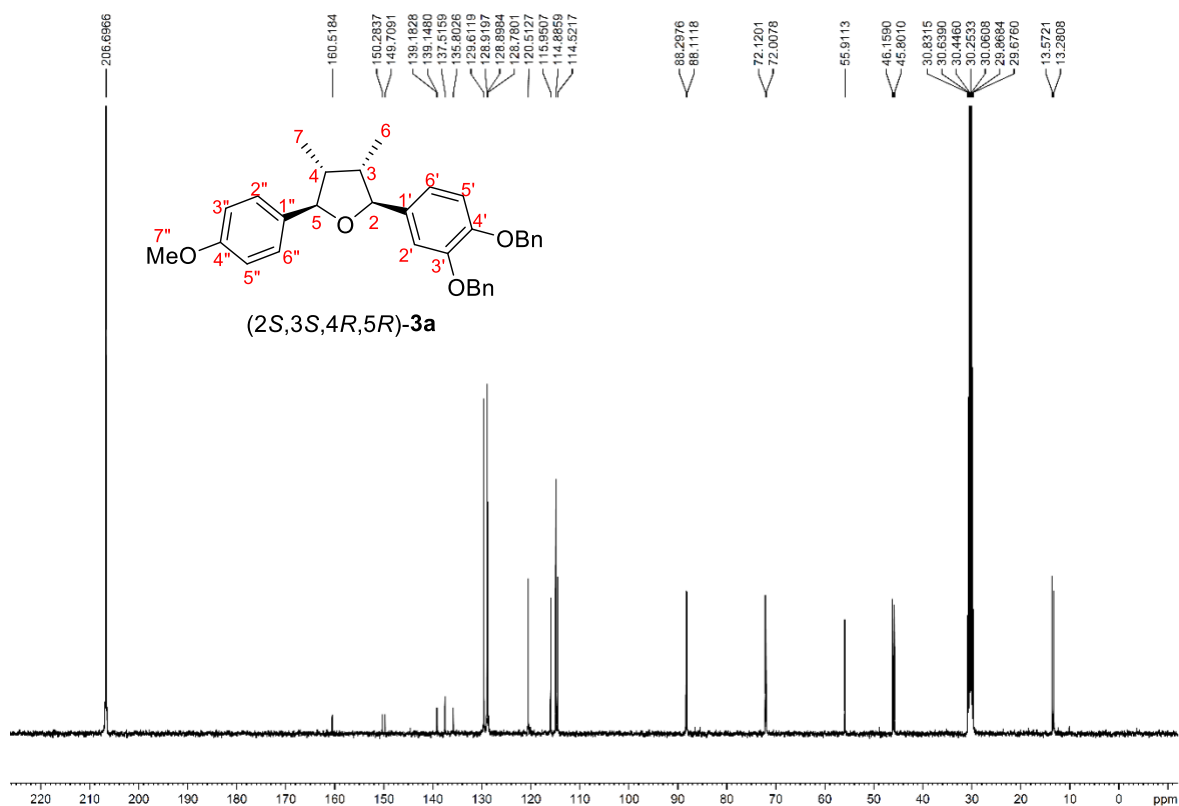
^1H NMR spectrum of **8** (400 MHz, CDCl_3) ^{13}C NMR spectrum of **8** (100 MHz, CDCl_3)

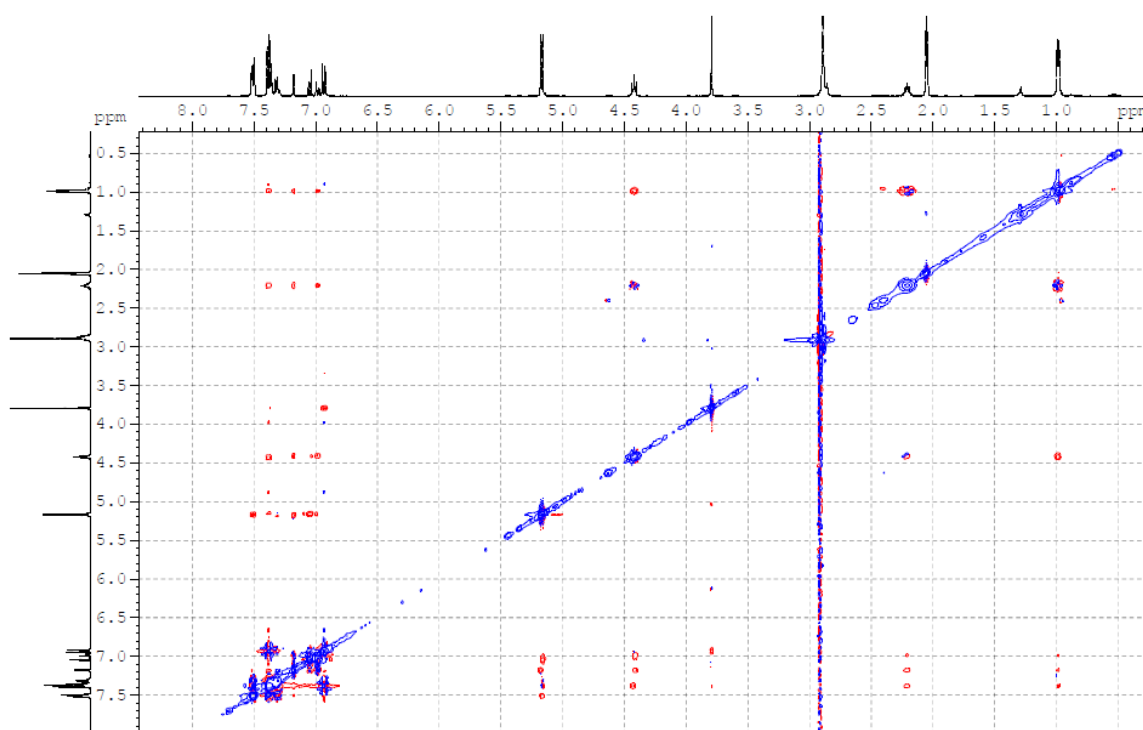
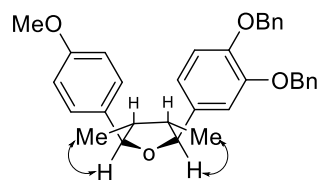
¹H NMR spectrum of **9a** (400 MHz, acetone-*d*₆)¹³C NMR spectrum of **9a** (100 MHz, acetone-*d*₆)

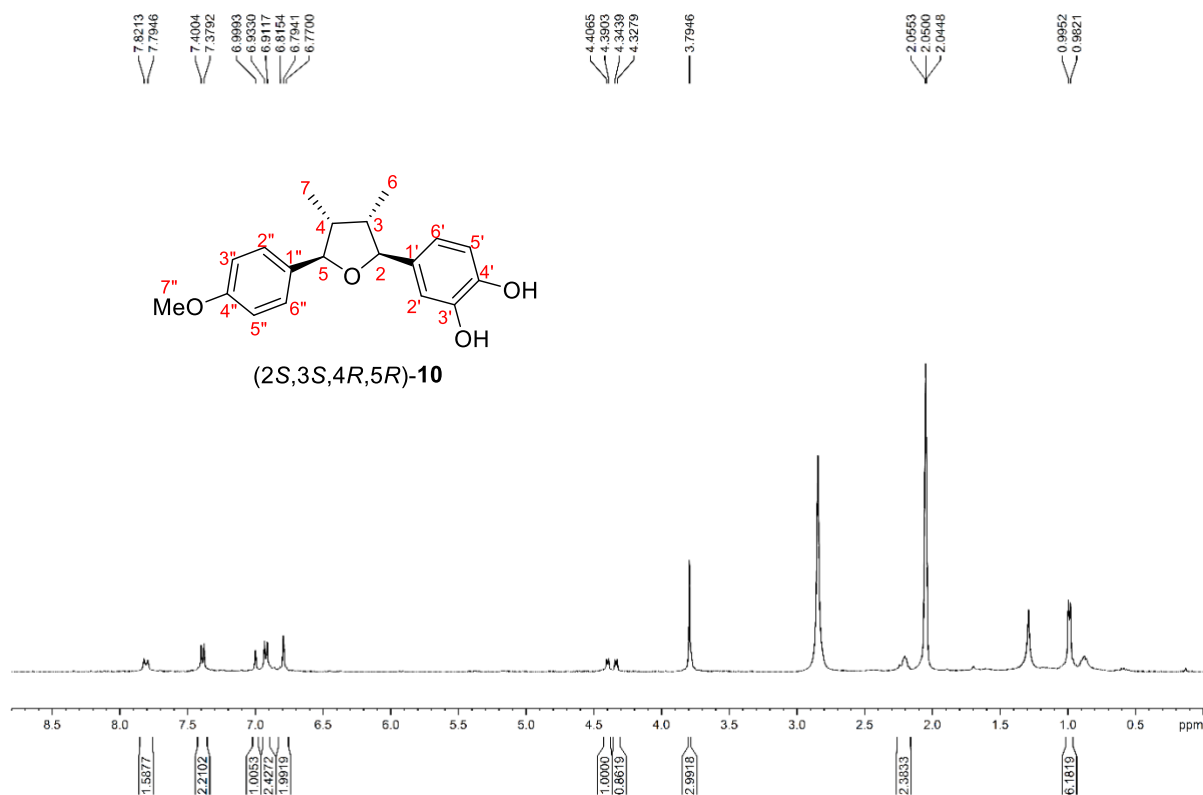
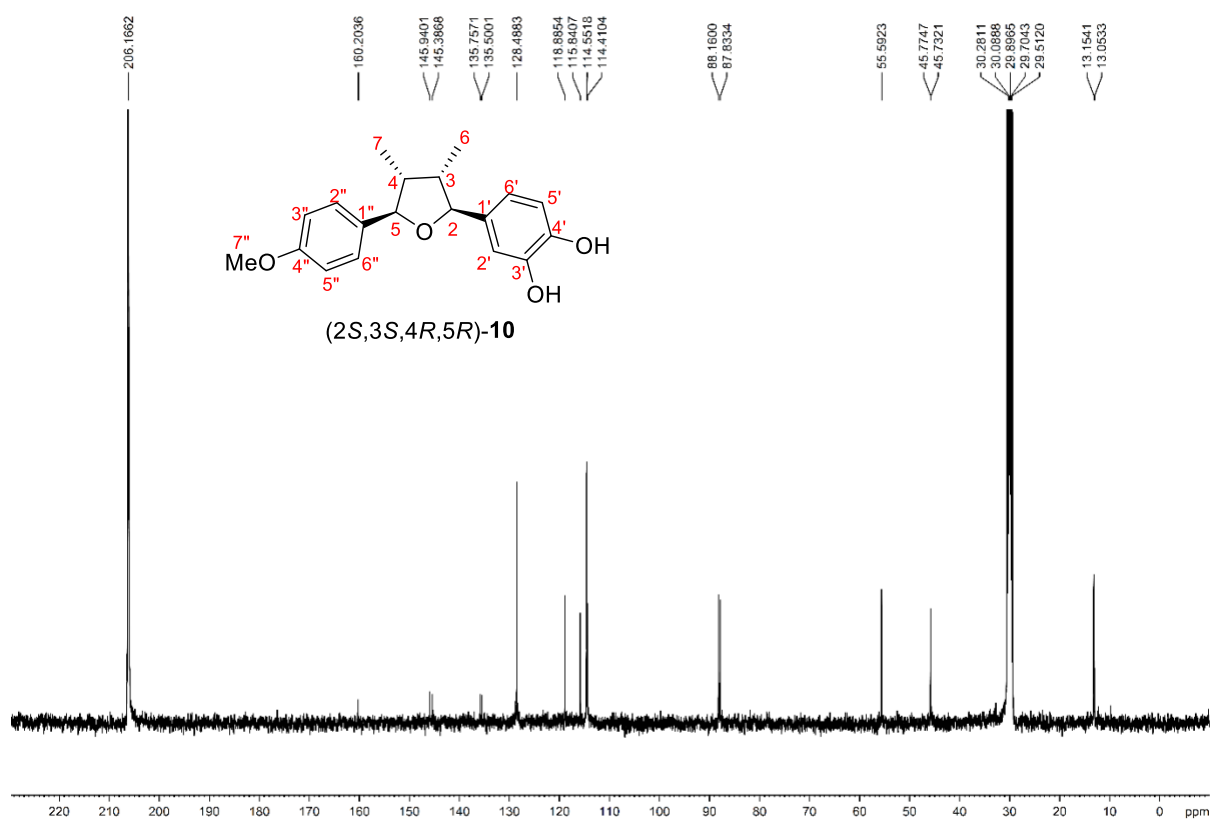
¹H NMR spectrum of **9b** (400 MHz, acetone-*d*₆)¹³C NMR spectrum of **9b** (100 MHz, acetone-*d*₆)

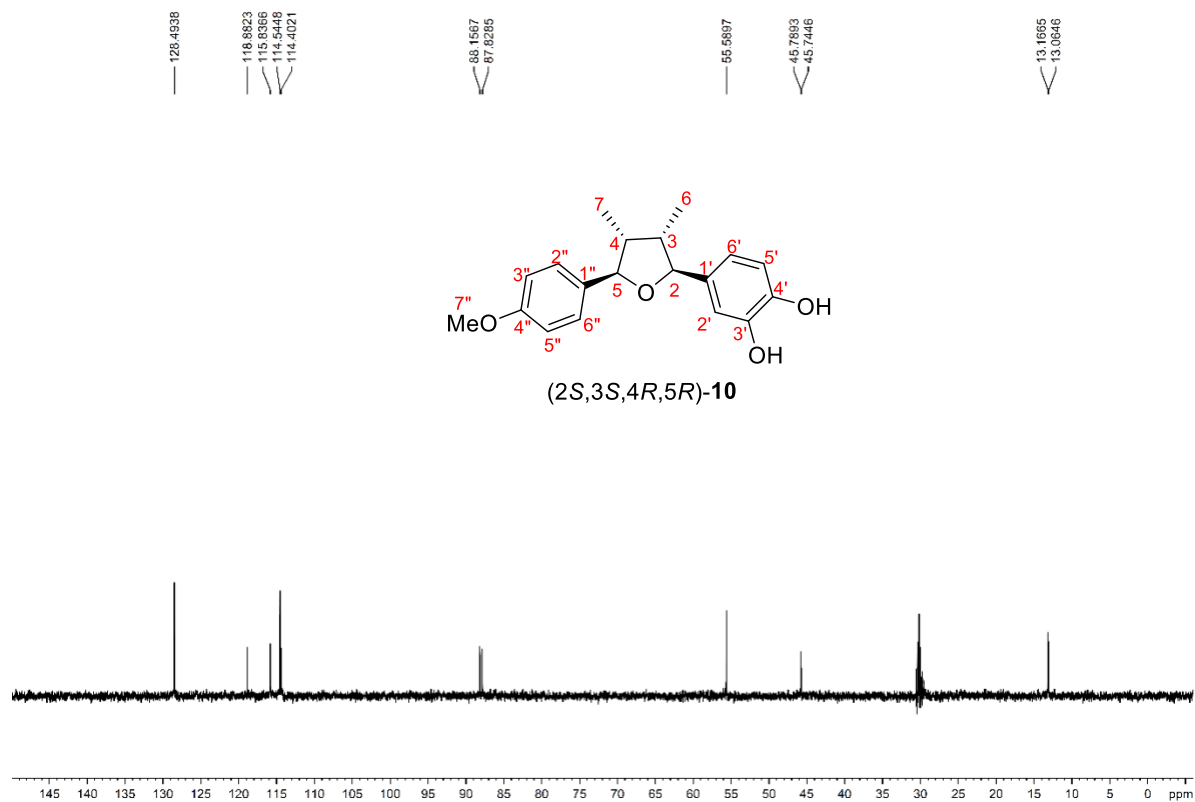
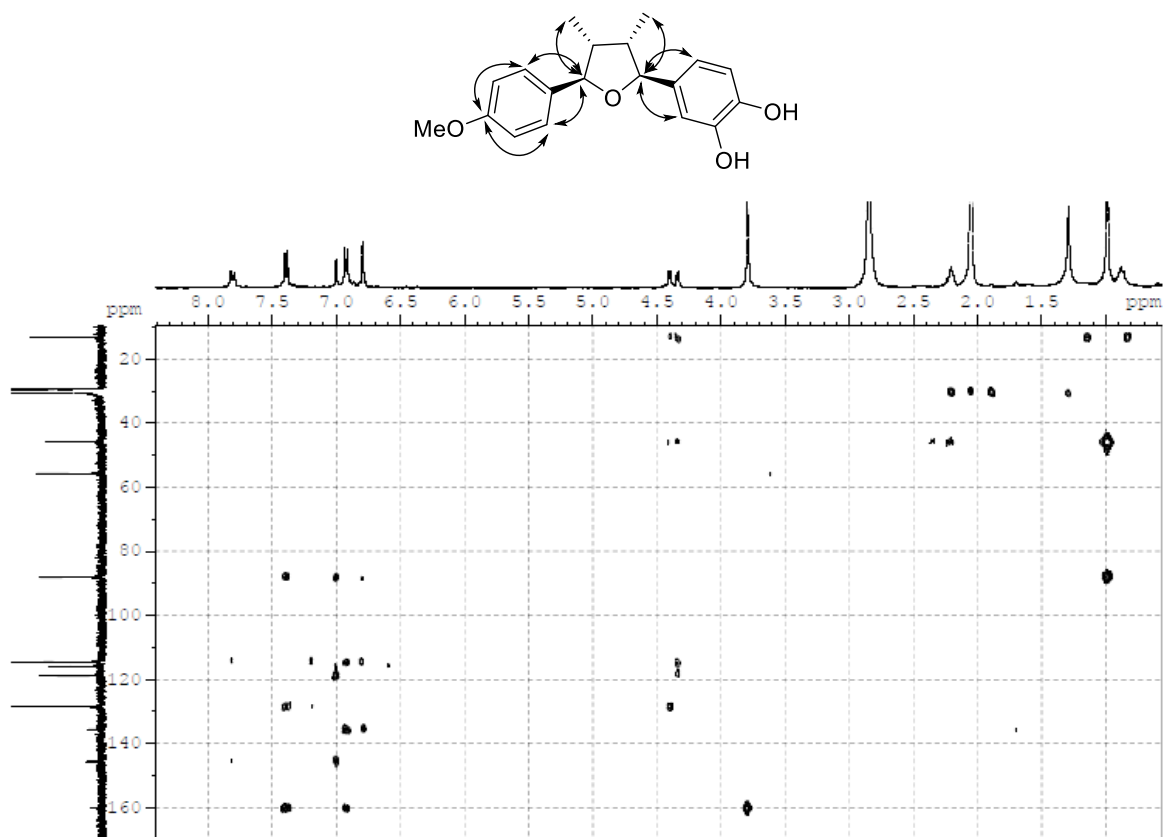
¹H NMR spectrum of **1a** (400 MHz, acetone-*d*₆)¹³C NMR spectrum of **1a** (100 MHz, acetone-*d*₆)

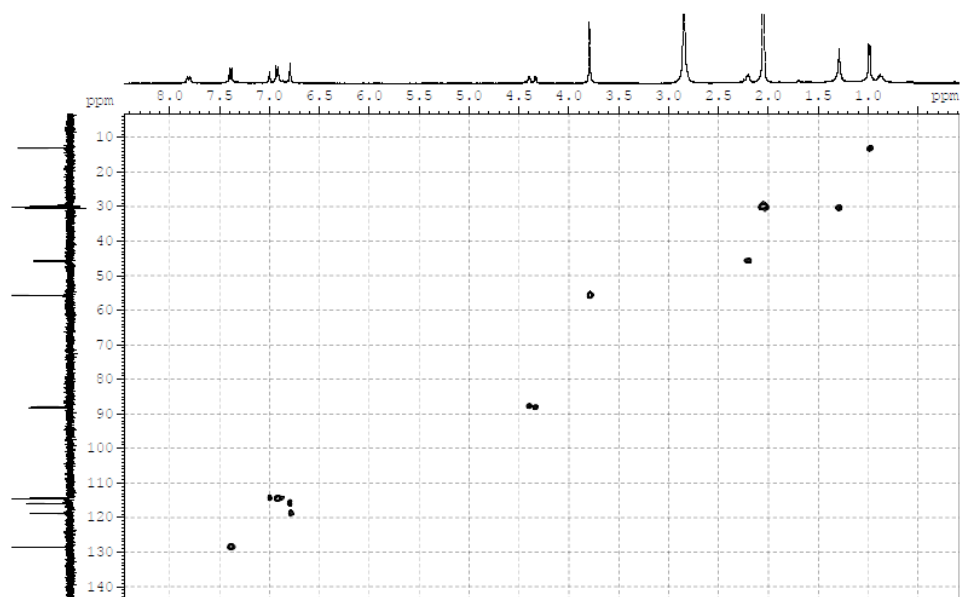
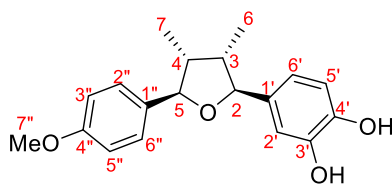
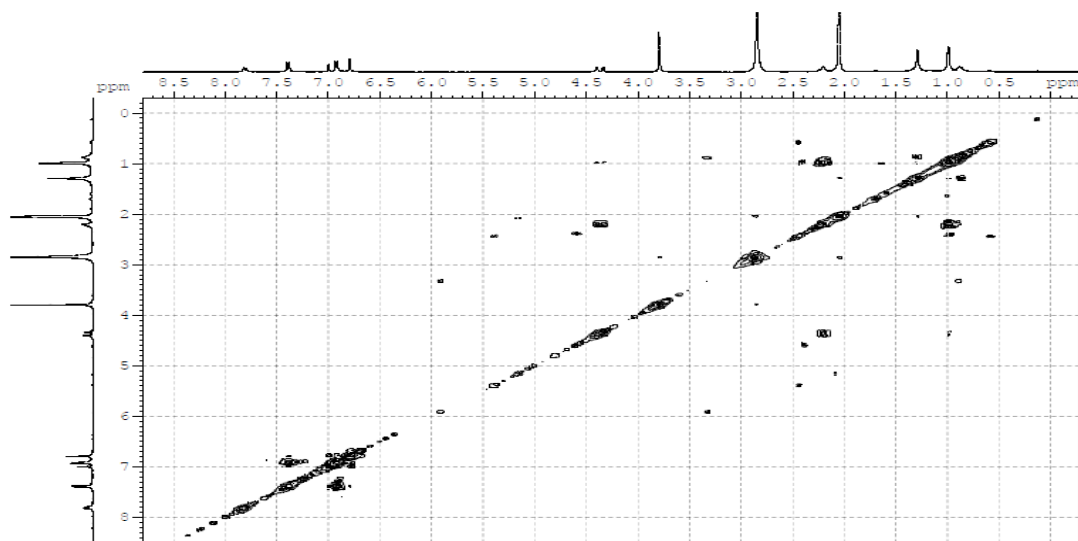
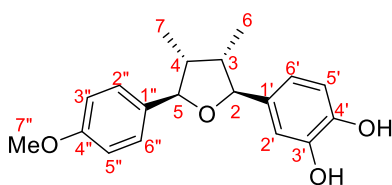
¹H NMR spectrum of **1b** (400 MHz, acetone-*d*₆)¹³C NMR spectrum of **1b** (100 MHz, acetone-*d*₆)

¹H NMR spectrum of **3a** (400 MHz, acetone-*d*₆)¹³C NMR spectrum of **3a** (100 MHz, acetone-*d*₆)

NOESY of **3a**

^1H NMR spectrum of **10** (400 MHz, acetone- d_6) ^{13}C NMR spectrum of **10** (100 MHz, acetone- d_6)

DEPT-135 NMR spectrum of **10** (100 MHz, acetone- d_6)HMBC of **10**

HSQC of **10**COSY of **10**

NOESY of **10**