

Supplementary materials for

Semi-Synthesis and In Vitro Anti-Cancer Evaluation of Magnolol Derivatives

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Figure S1 ^1H NMR spectrum of compound 1a.....	3
Figure S2 ^{13}C NMR spectrum of 1a.....	3
Figure S3 ^1H NMR spectrum of compound 1b.....	4
Figure S4 ^{13}C NMR spectrum of 1b.....	4
Figure S5 ^1H NMR spectrum of compound 2a.....	5
Figure S6 ^{13}C NMR spectrum of 2a.....	5
Figure S7 ^1H NMR spectrum of compound 2b.....	6
Figure S8 ^{13}C NMR spectrum of 2b.....	6
Figure S9 ^1H NMR spectrum of compound 3a.....	7
Figure S10 ^{13}C NMR spectrum of 3a.....	7
Figure S11 ^1H NMR spectrum of compound 3b.....	8
Figure S12 ^{13}C NMR spectrum of 3b.....	8
Figure S13 ^1H NMR spectrum of compound 4a.....	9
Figure S14 ^{13}C NMR spectrum of 4a.....	9
Figure S15 ^1H NMR spectrum of compound 4b.....	10
Figure S16 ^{13}C NMR spectrum of 4b.....	10
Figure S17 ^1H NMR spectrum of compound 5a.....	11
Figure S18 ^{13}C NMR spectrum of 5a.....	11
Figure S19 ^1H NMR spectrum of compound 5b.....	12
Figure S20 ^{13}C NMR spectrum of 5b.....	12
Figure S21 ^1H NMR spectrum of compound 6a.....	13
Figure S22 ^{13}C NMR spectrum of 6a.....	13
Figure S23 ^1H NMR spectrum of compound 6b.....	14
Figure S24 ^{13}C NMR spectrum of 6b.....	14
Figure S25 ^1H NMR spectrum of compound 7a.....	15
Figure S26 ^{13}C NMR spectrum of 7a.....	15
Figure S27 ^1H NMR spectrum of compound 8a.....	16
Figure S28 ^{13}C NMR spectrum of 8a.....	16
Figure S29 ^1H NMR spectrum of compound 9a.....	17
Figure S30 ^{13}C NMR spectrum of 9a.....	17
Figure S31 HR-ESI-MS spectrum of compound 3a.....	18
Figure S32 HR-ESI-MS spectrum of compound 3b.....	18
Figure S33 HR-ESI-MS spectrum of compound 4a.....	19
Figure S34 HR-ESI-MS spectrum of compound 4b.....	19
Figure S35 HR-ESI-MS spectrum of compound 5a.....	20
Figure S36 HR-ESI-MS spectrum of compound 5b.....	20
Figure S37 HR-ESI-MS spectrum of compound 6a.....	21
Figure S38 HR-ESI-MS spectrum of compound 6b.....	21
Figure S39 HR-ESI-MS spectrum of compound 7a.....	22
Figure S40 HR-ESI-MS spectrum of compound 8a.....	22
Figure S41 HR-ESI-MS spectrum of compound 9a.....	23

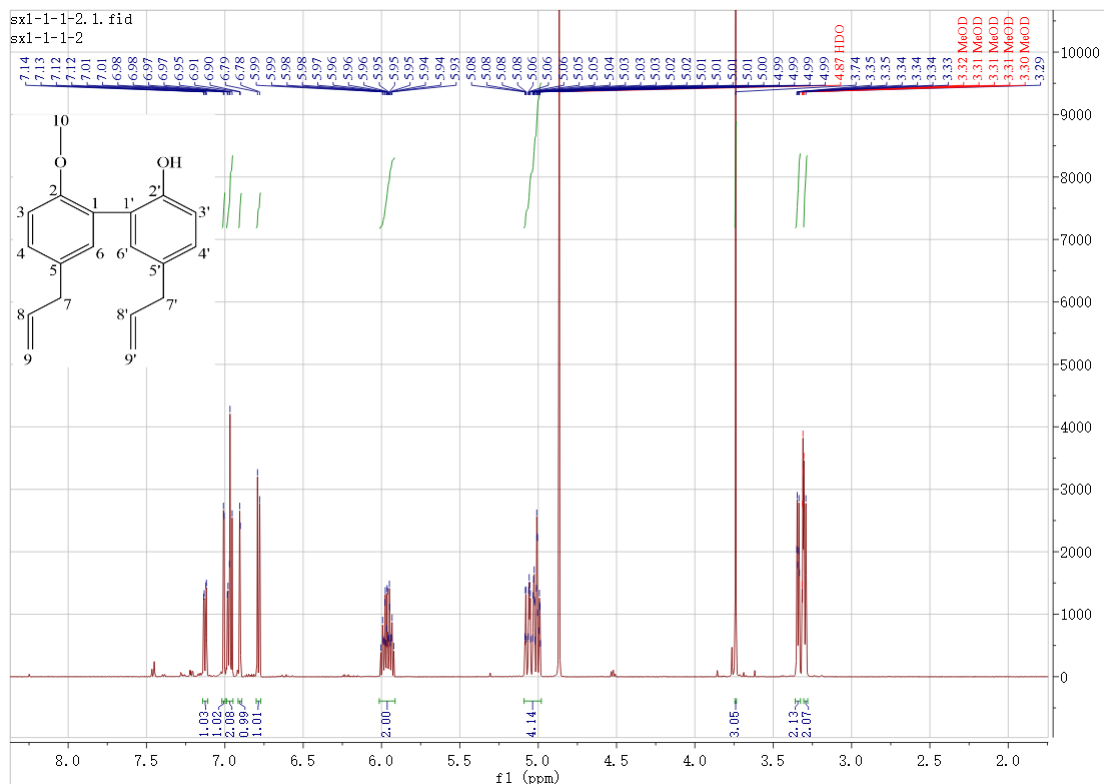


Figure S1 ^1H NMR spectrum of compound 1a

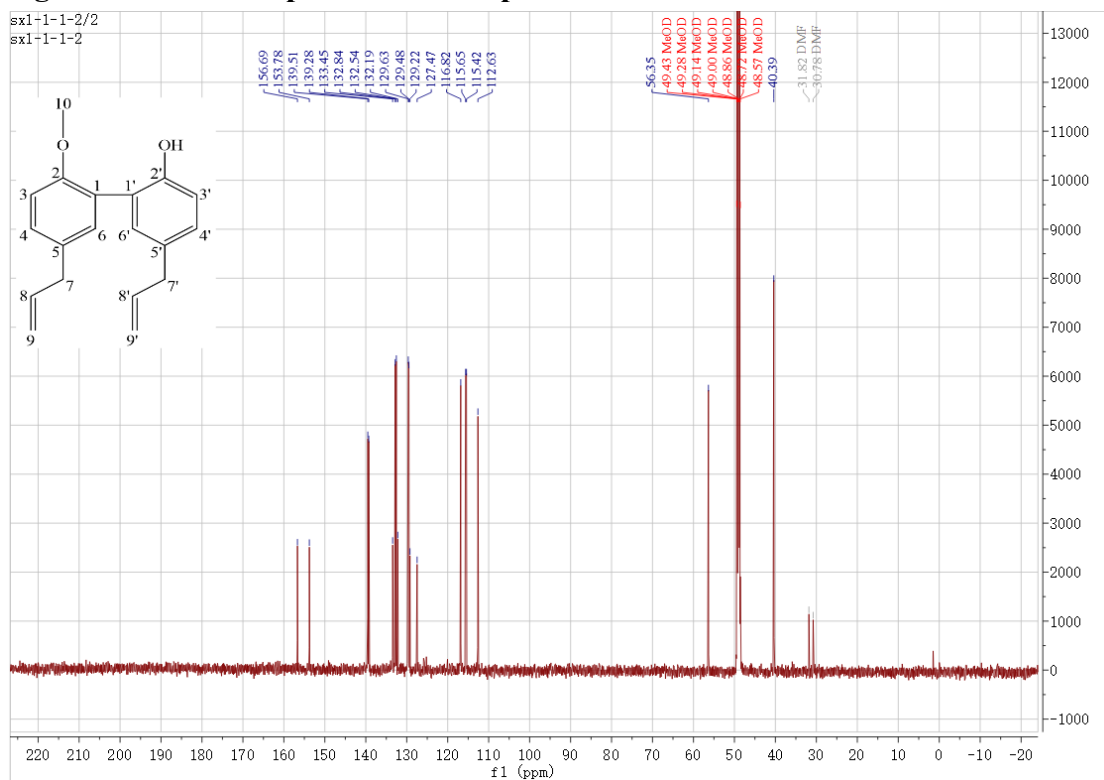


Figure S2 ^{13}C NMR spectrum of 1a

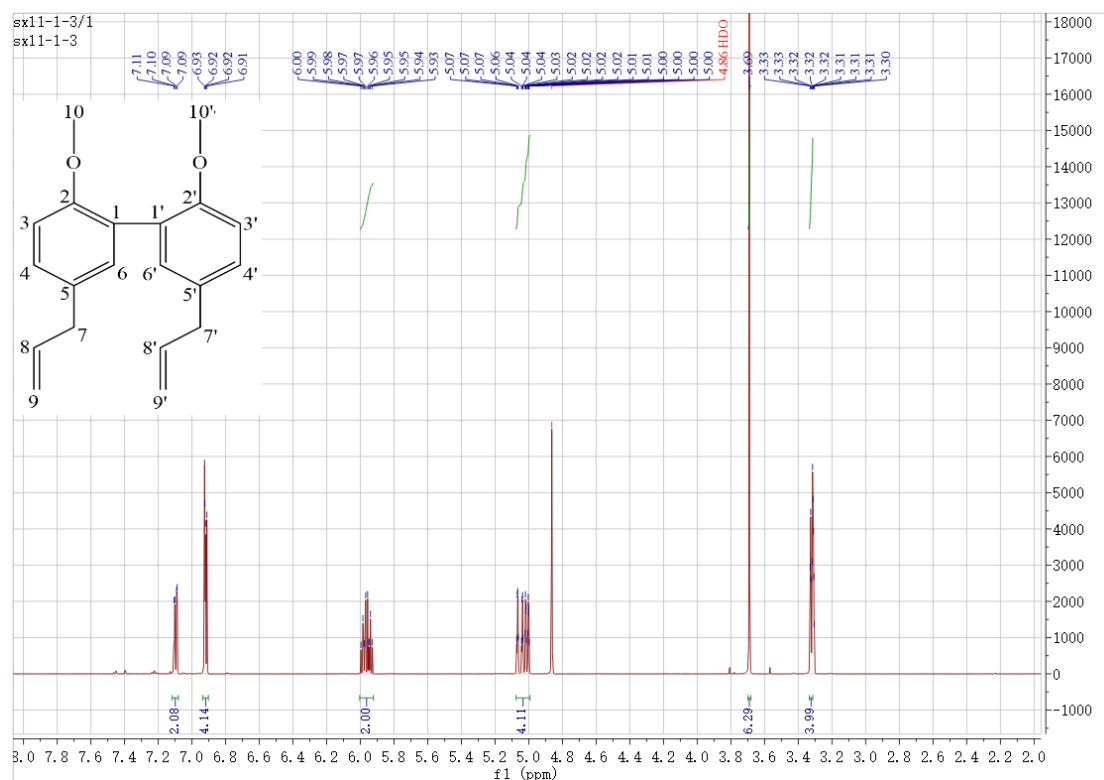


Figure S3 ^1H NMR spectrum of compound 1b

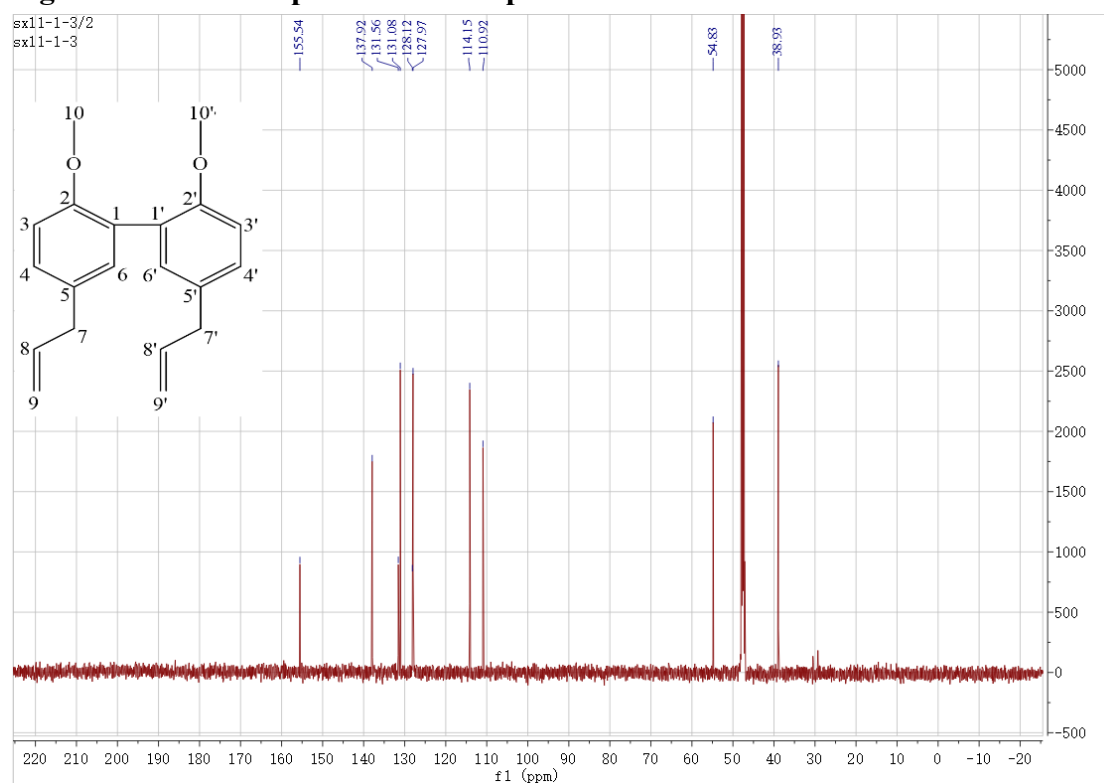


Figure S4 ^{13}C NMR spectrum of 1b

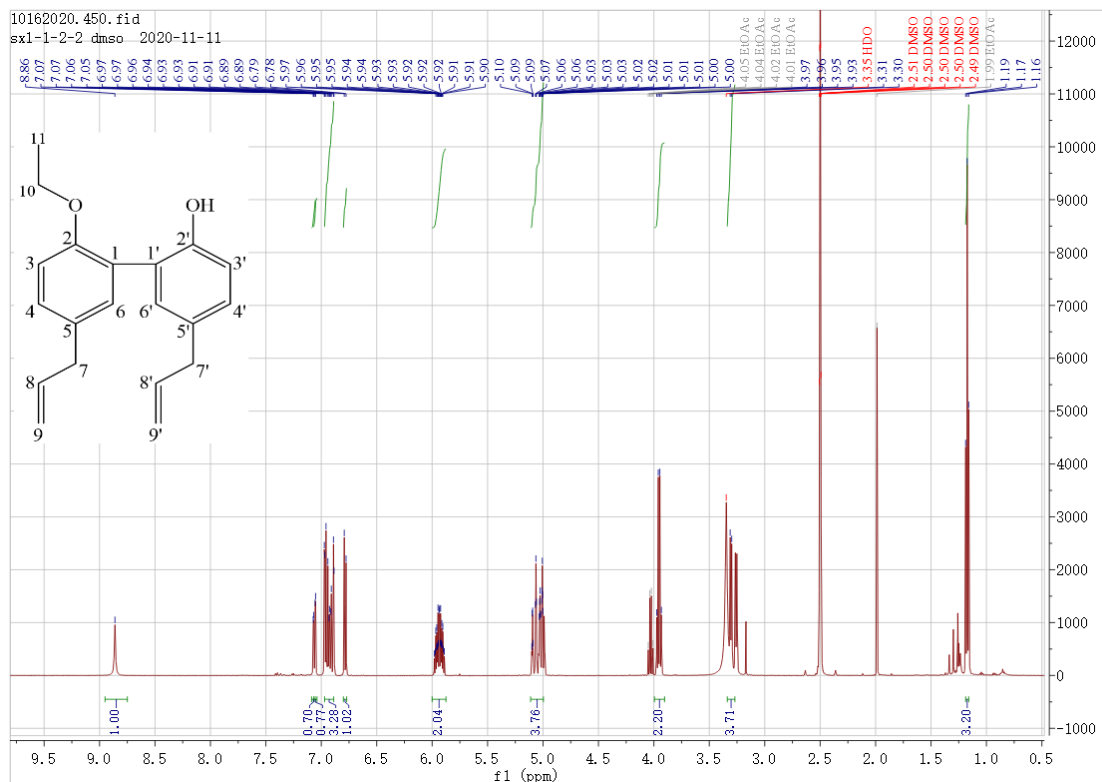


Figure S5 ^1H NMR spectrum of compound 2a

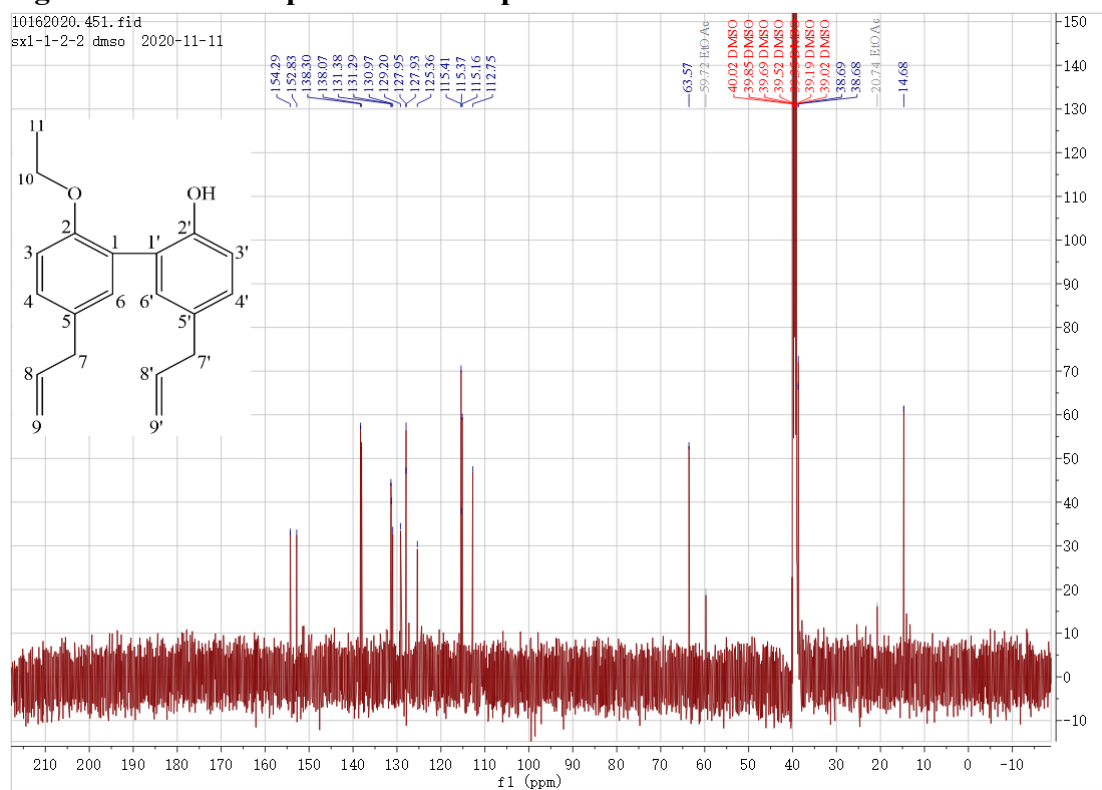


Figure S6 ^{13}C NMR spectrum of 2a

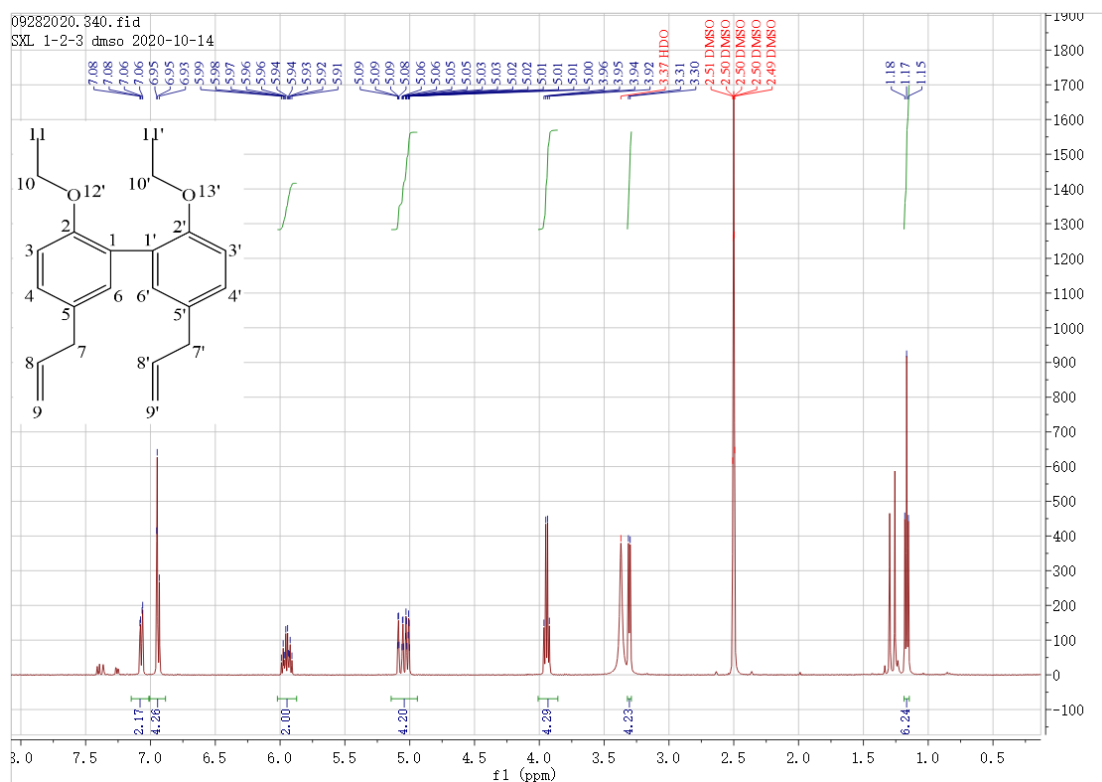


Figure S7 ^1H NMR spectrum of compound 2b

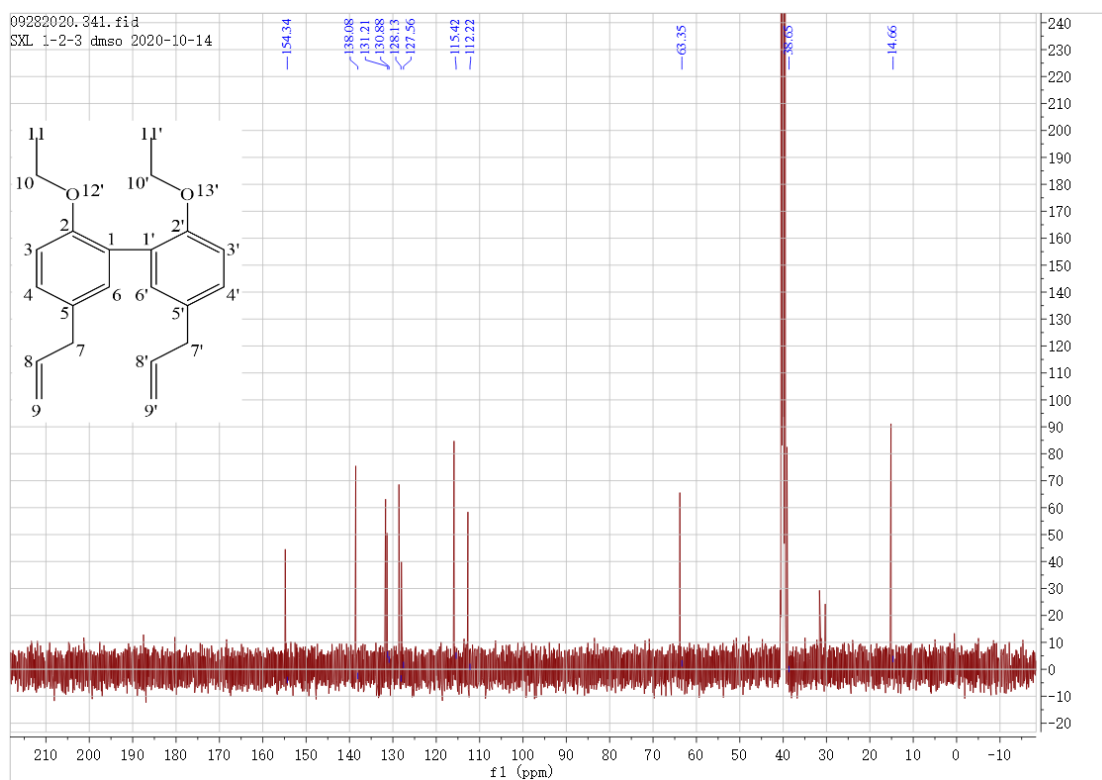


Figure S8 ^{13}C NMR spectrum of 2b

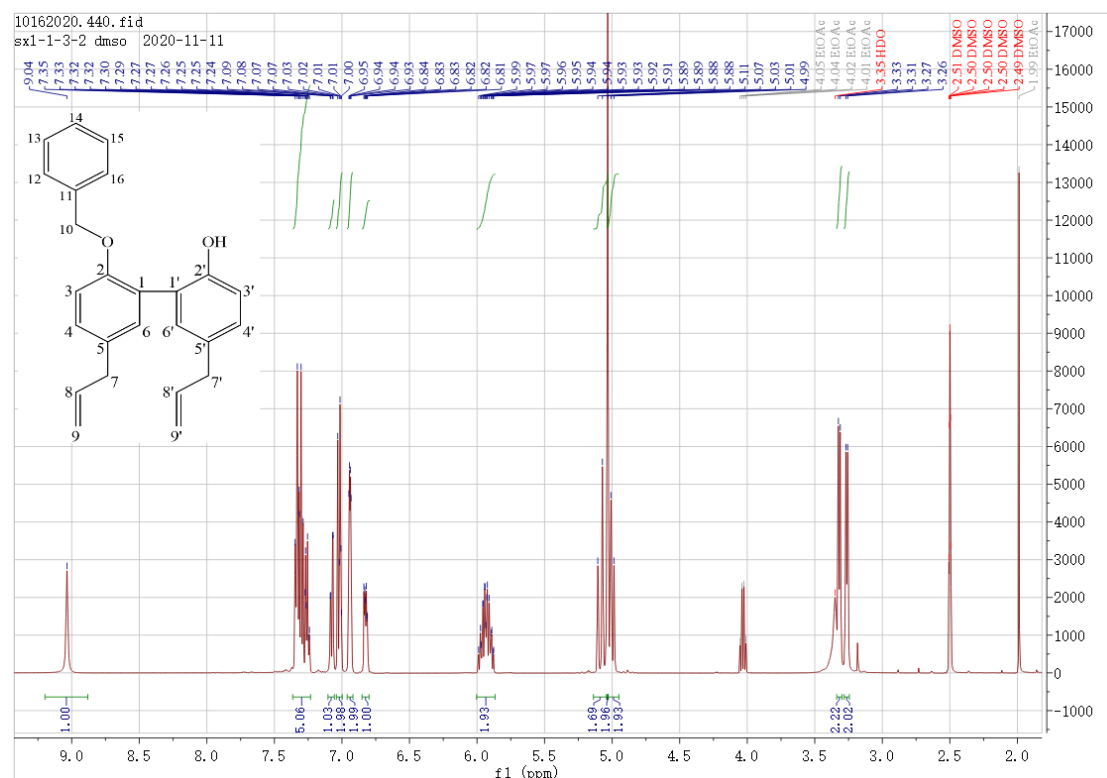


Figure S9 ¹H NMR spectrum of compound 3a

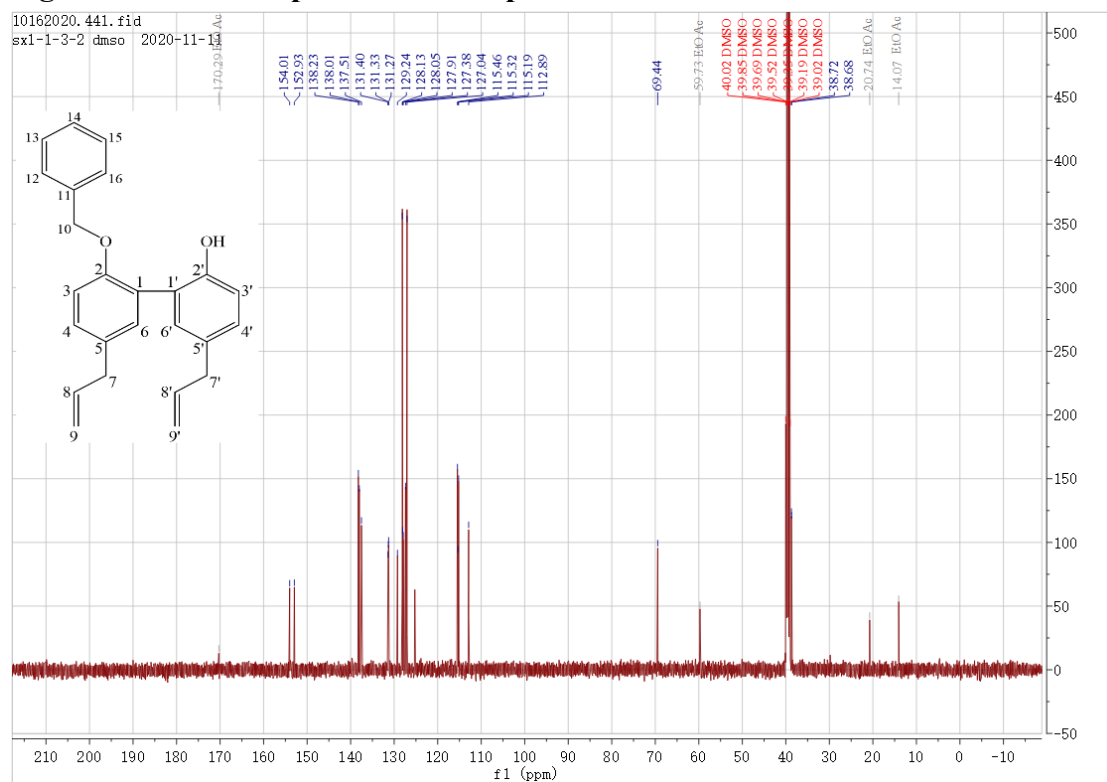


Figure S10 ¹³C NMR spectrum of 3a

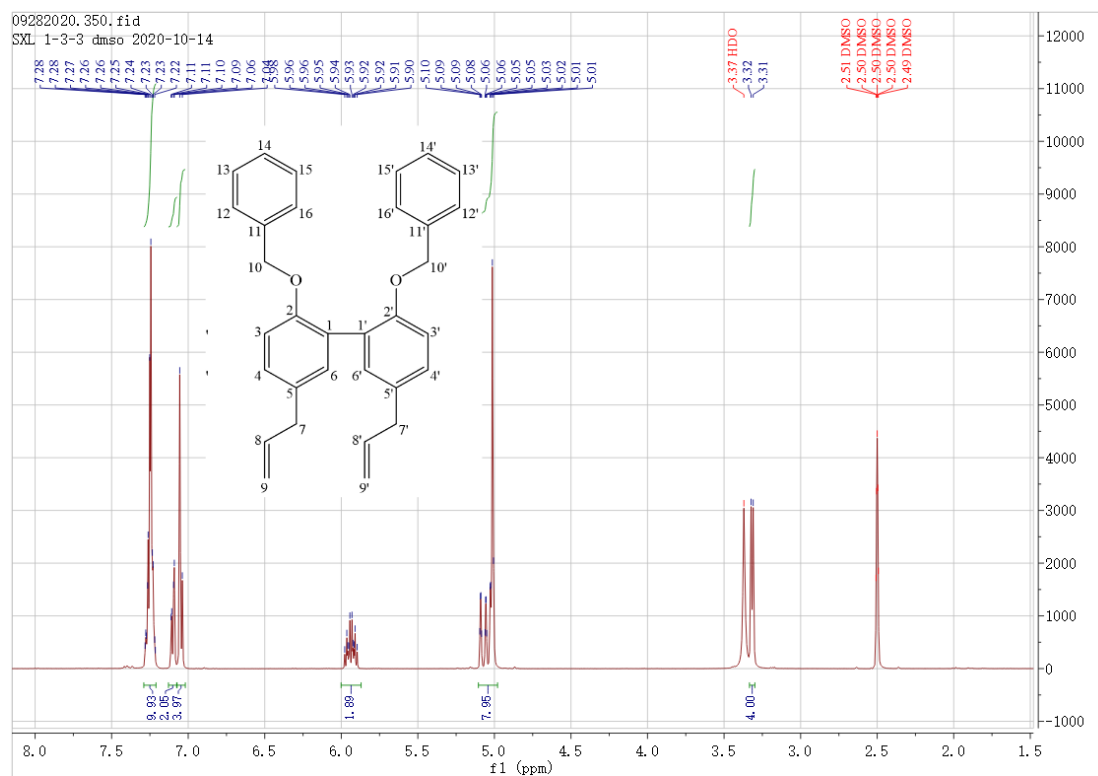


Figure S11 ^1H NMR spectrum of compound 3b

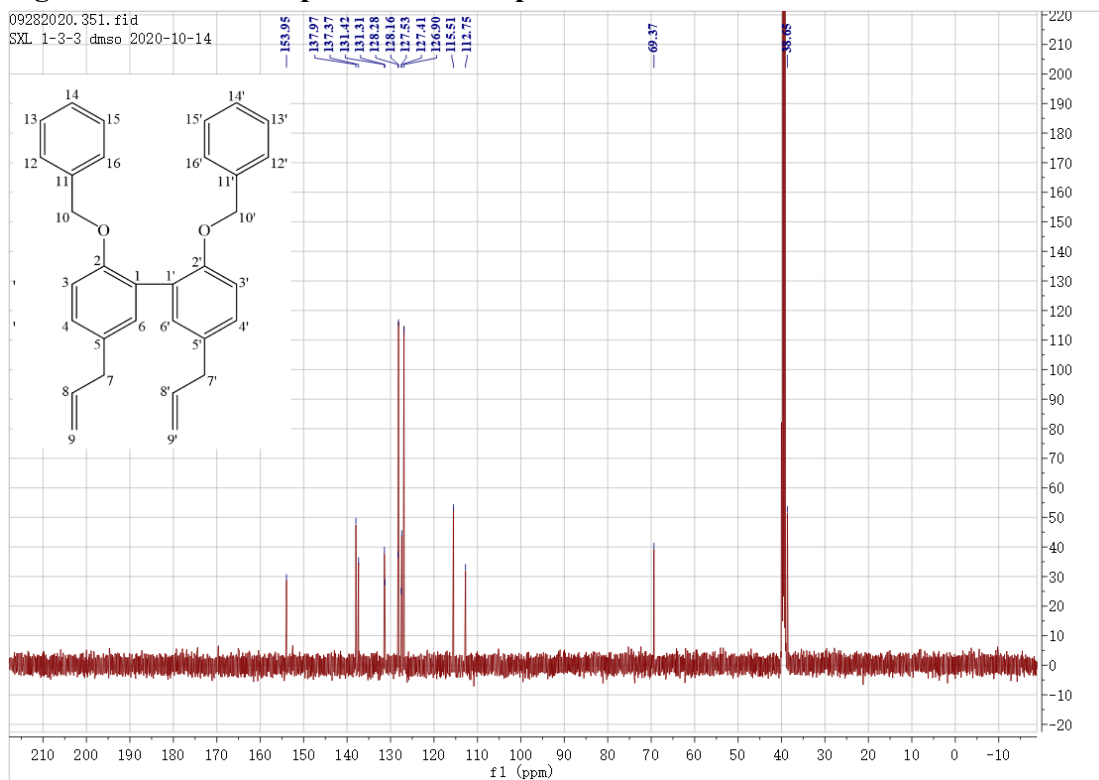


Figure S12 ^{13}C NMR spectrum of 3b

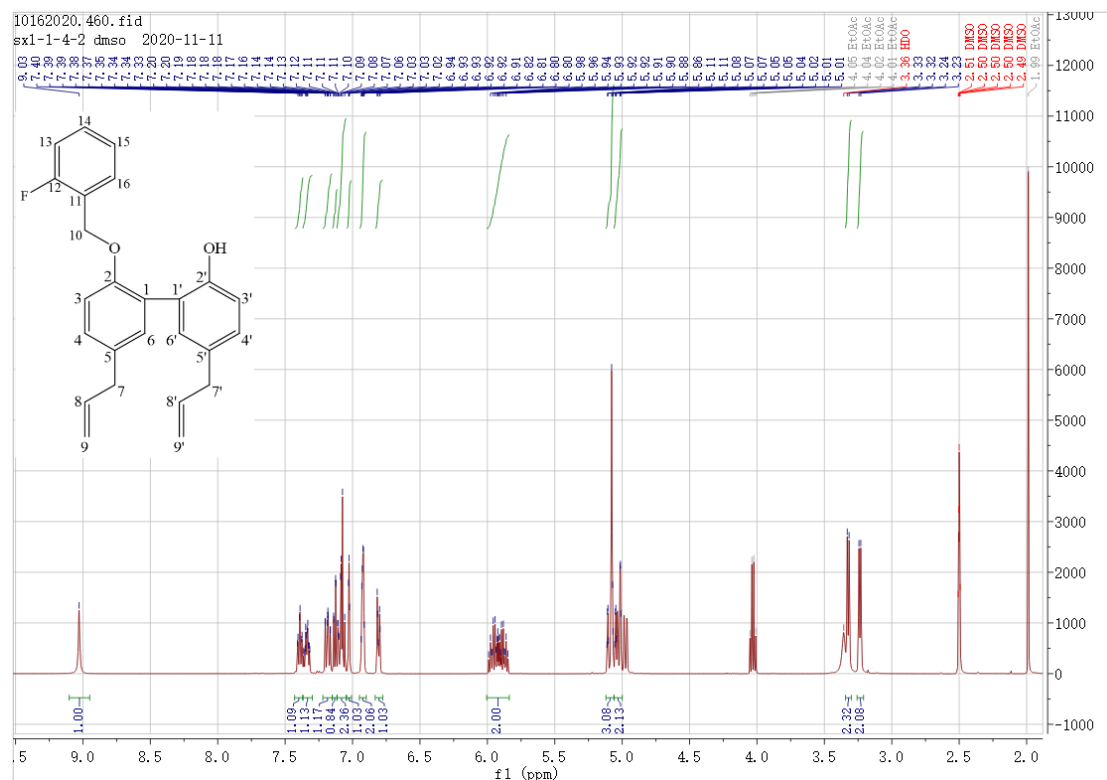


Figure S13 ¹H NMR spectrum of compound 4a

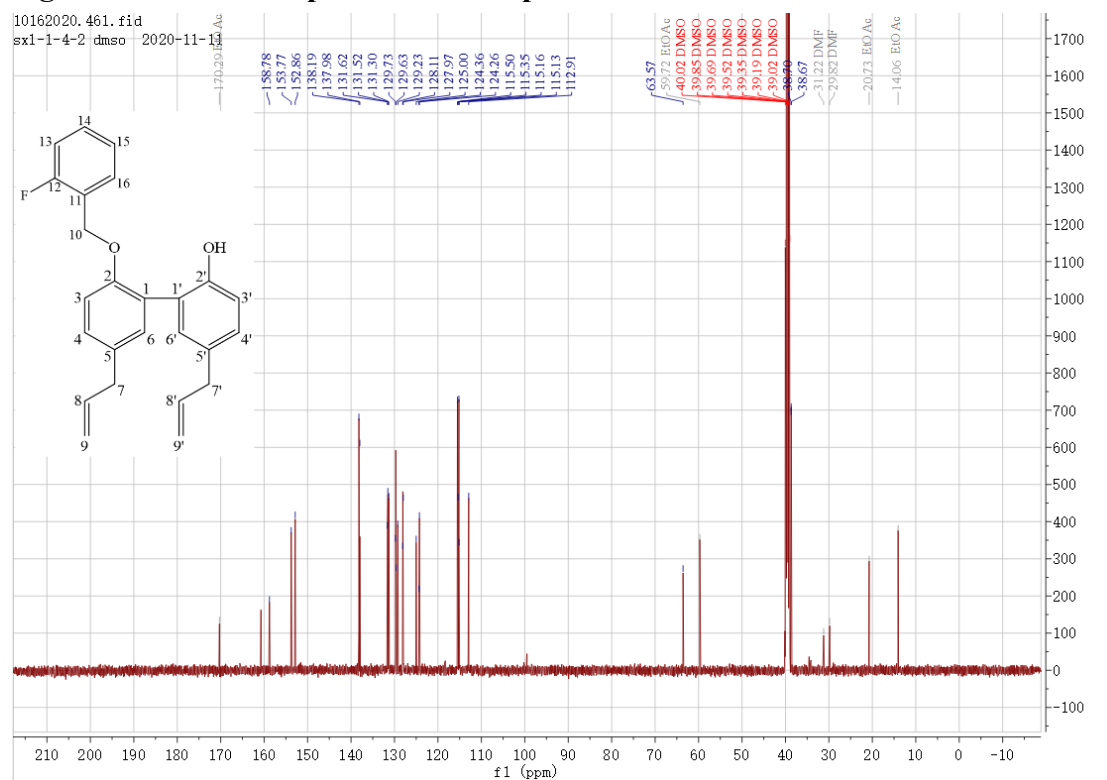


Figure S14 ¹³C NMR spectrum of 4a

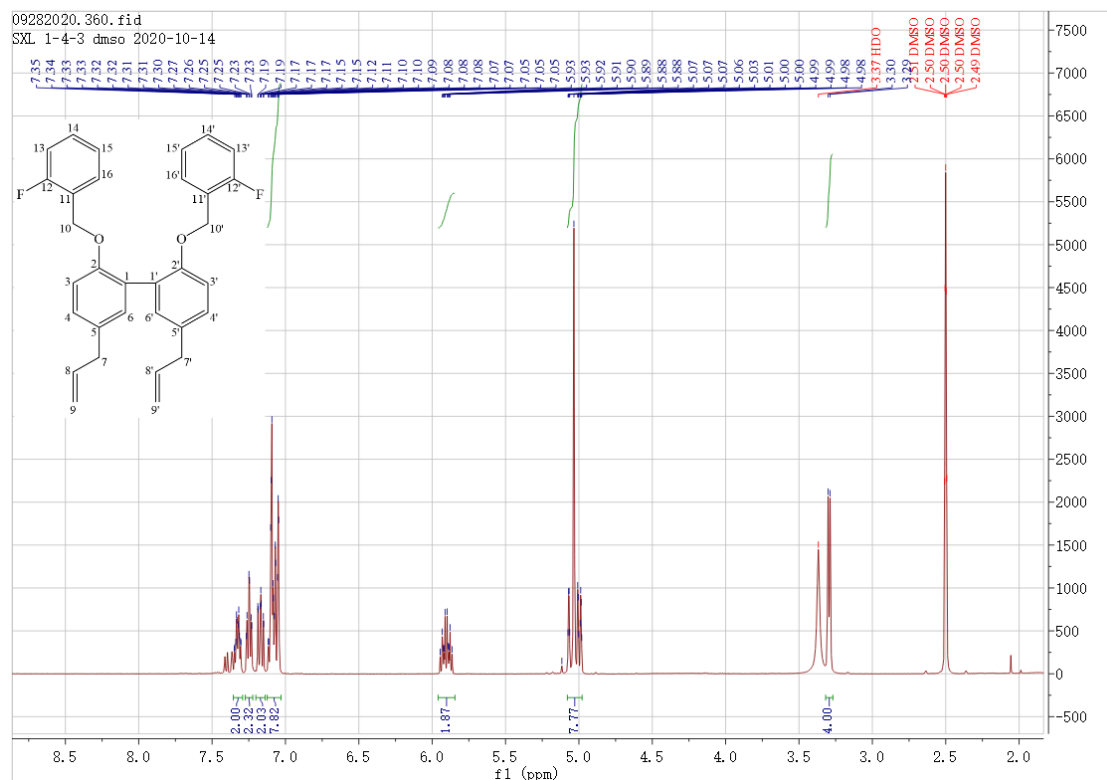


Figure S15 ¹H NMR spectrum of compound 4b

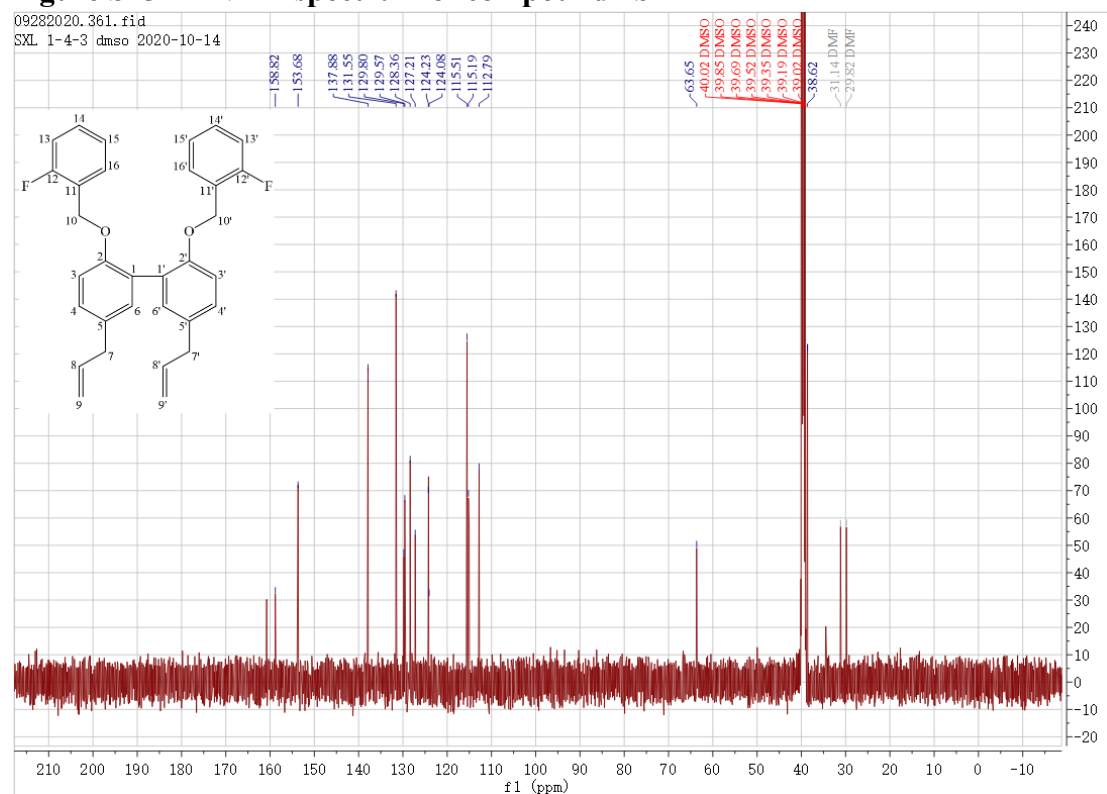
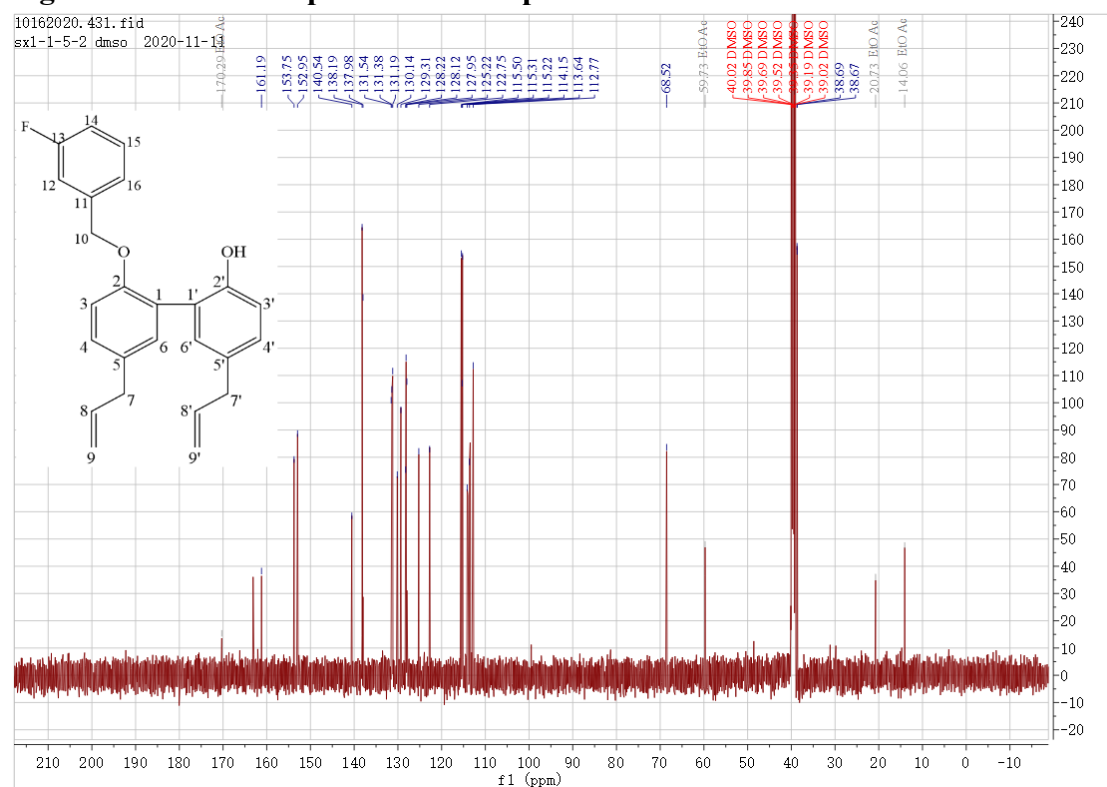
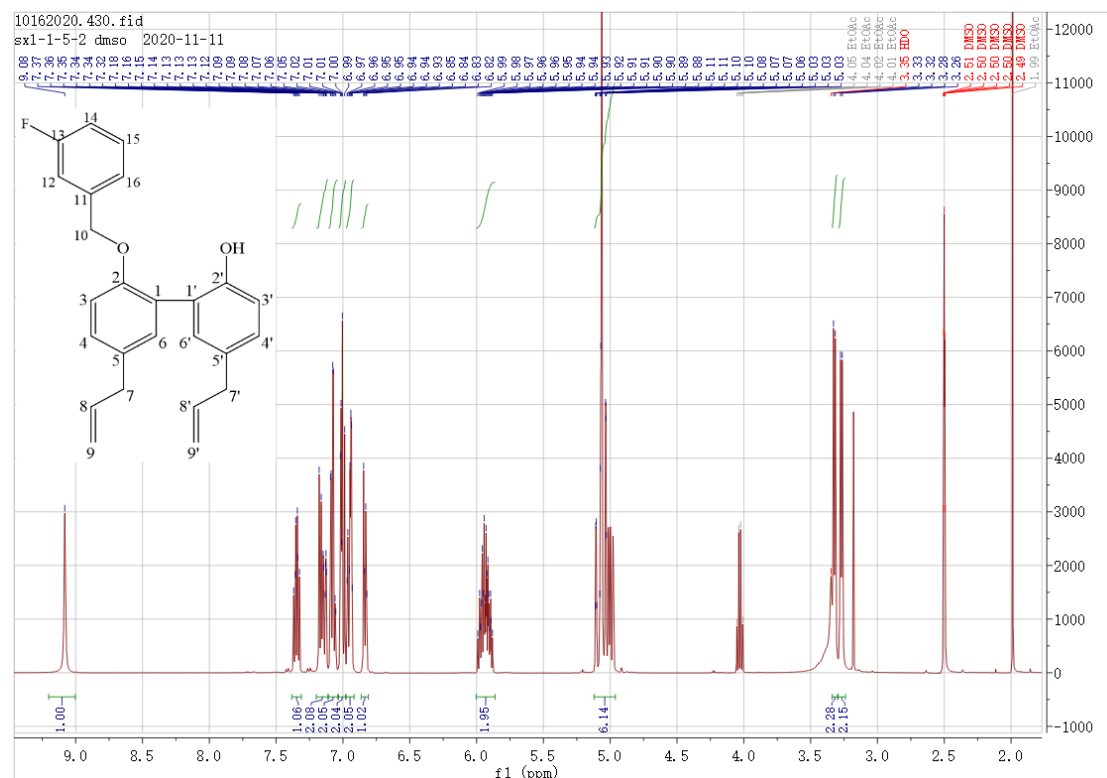


Figure S16 ¹³C NMR spectrum of 4b



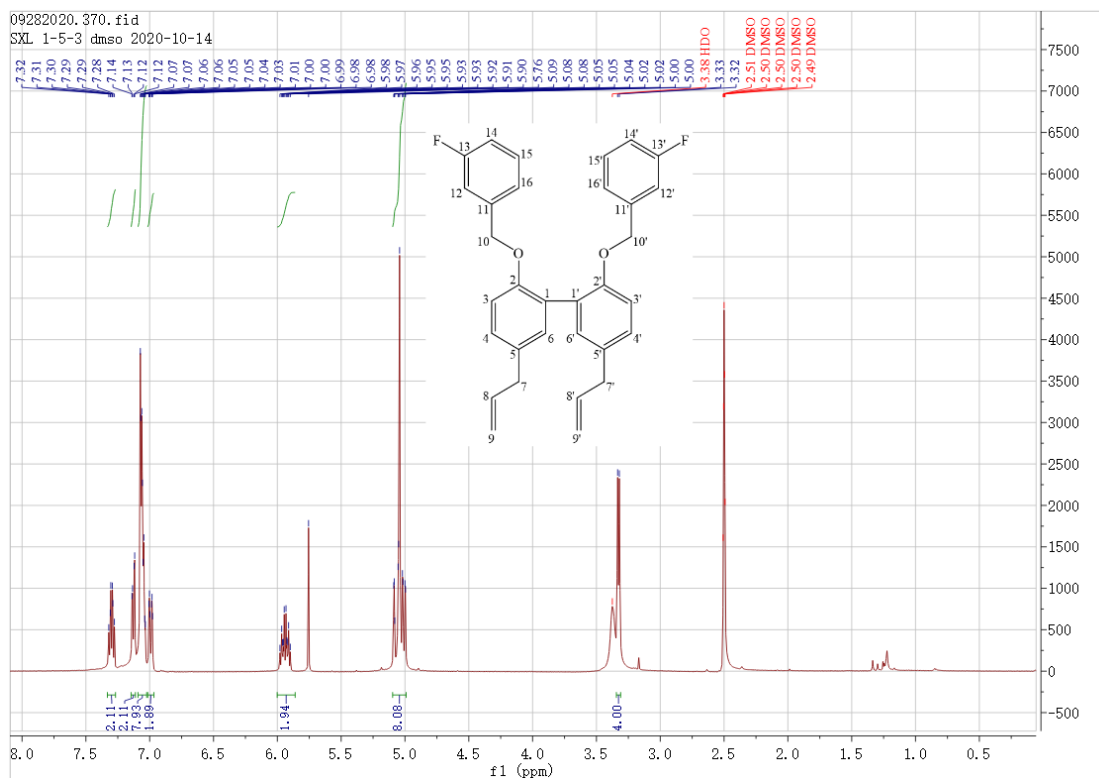


Figure S19 ^1H NMR spectrum of compound 5b

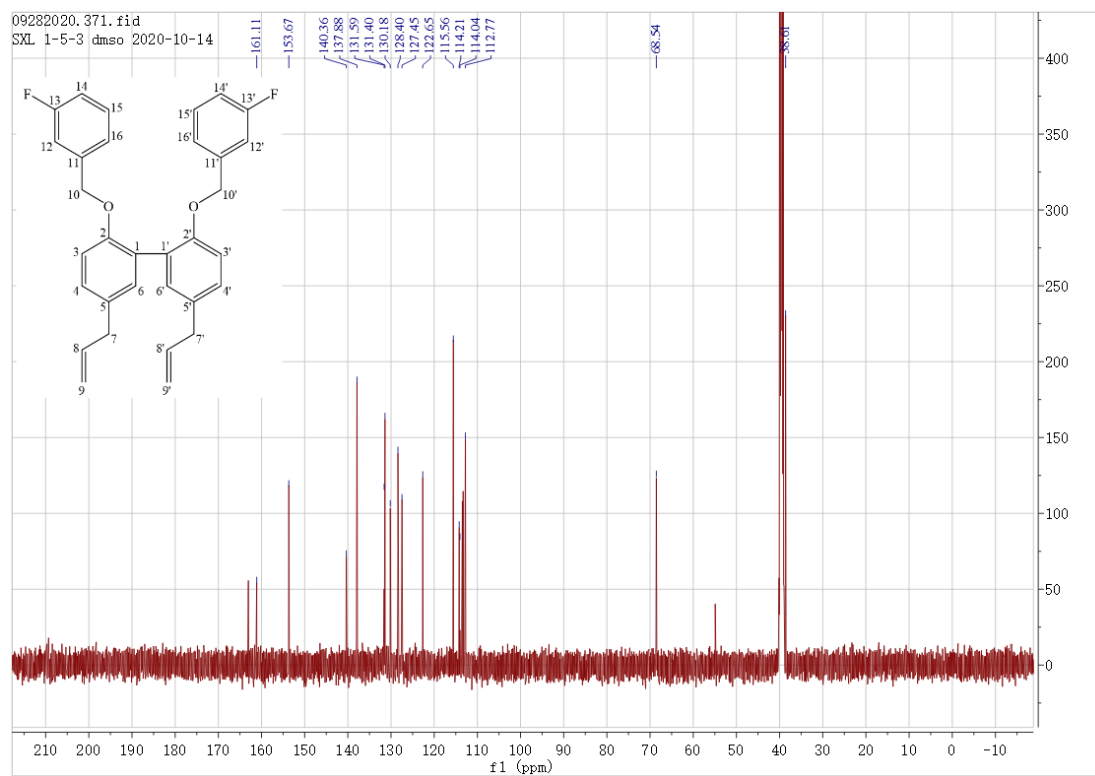


Figure S20 ^{13}C NMR spectrum of 5b

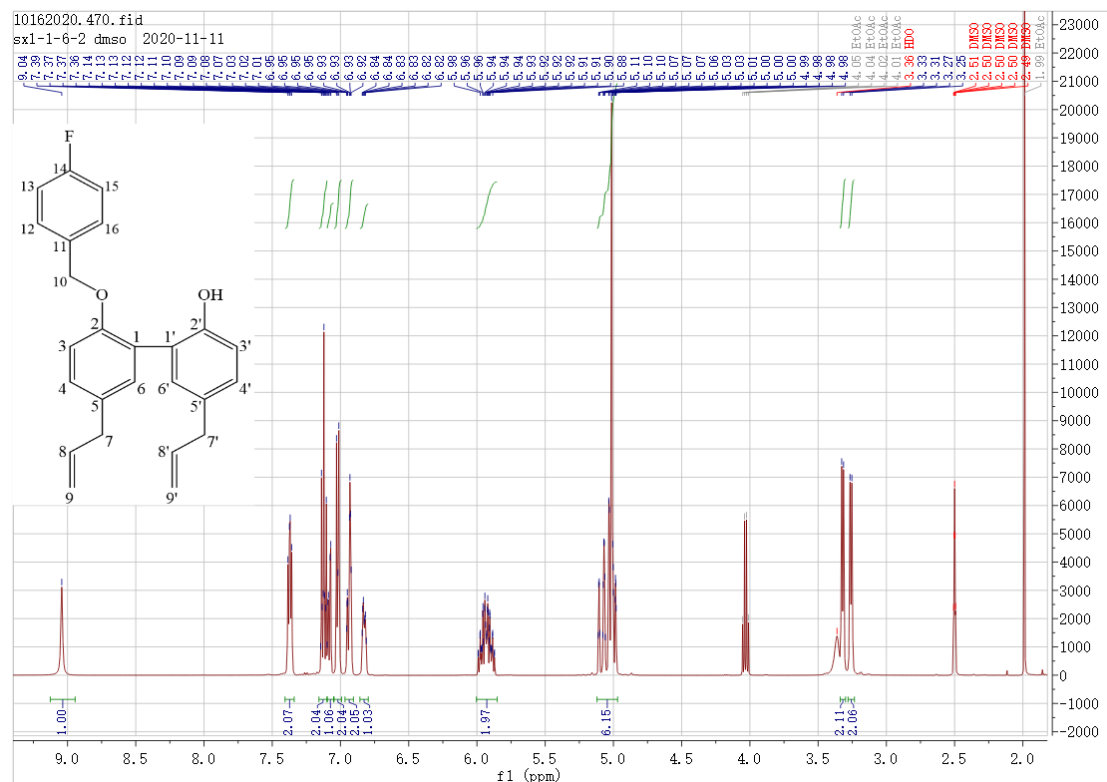


Figure S21 ¹H NMR spectrum of compound 6a

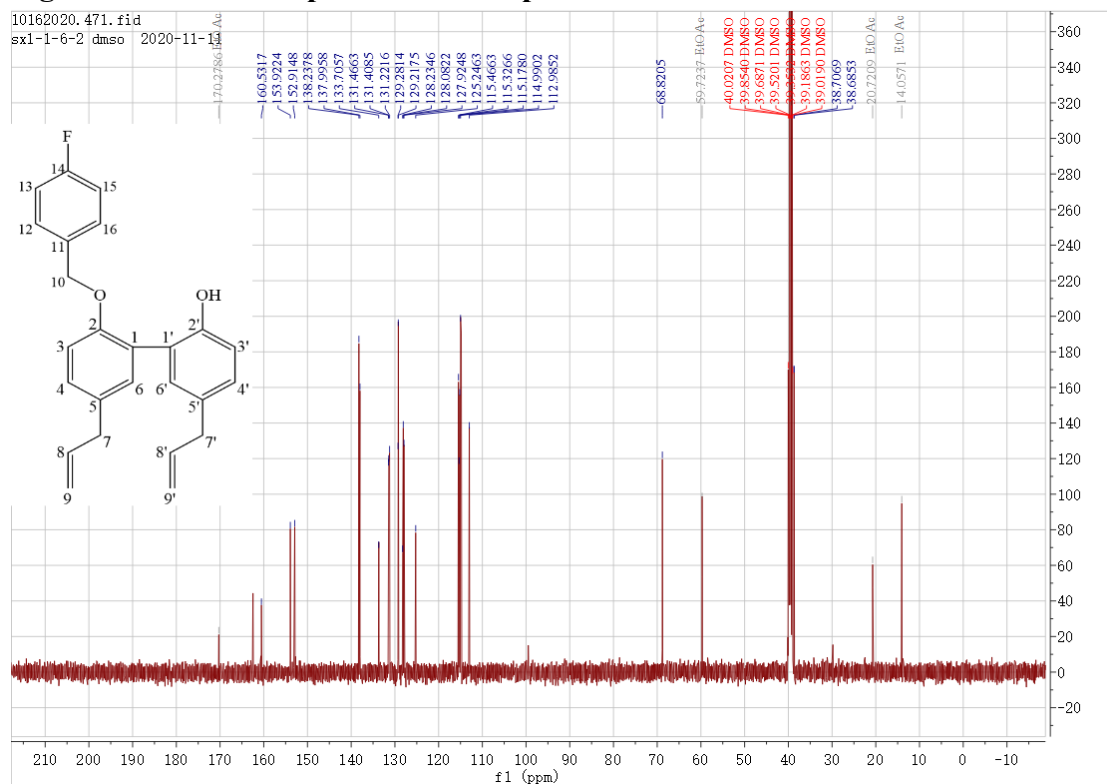
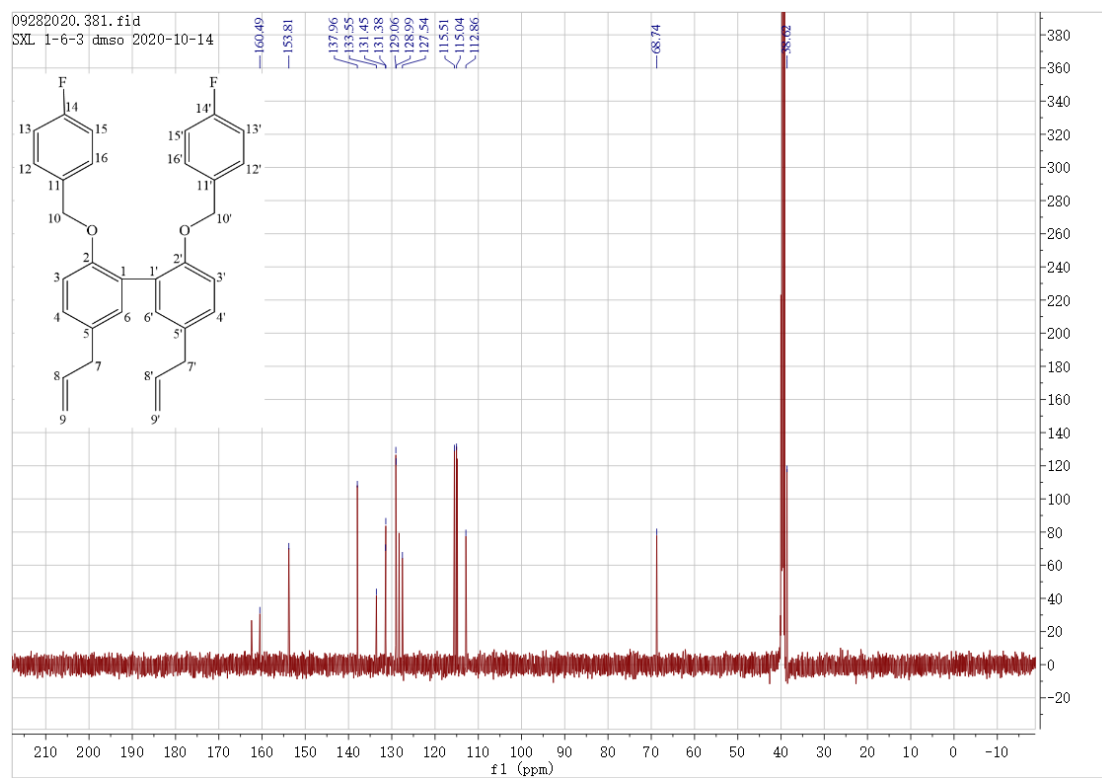
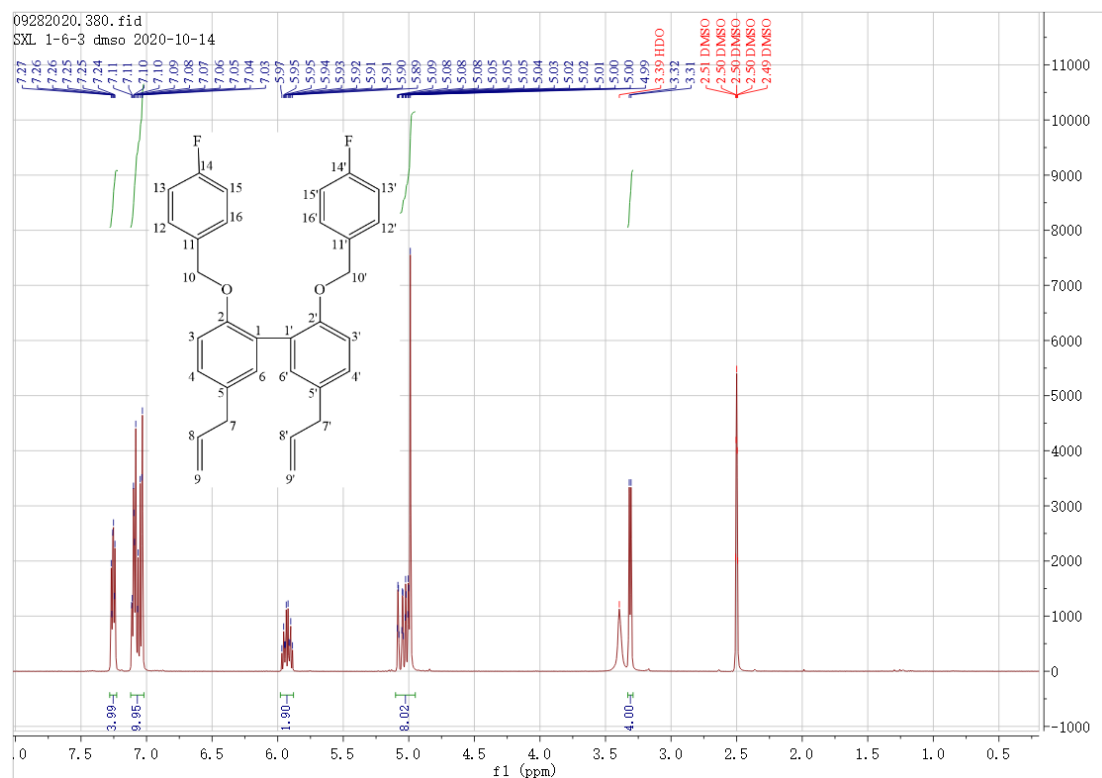
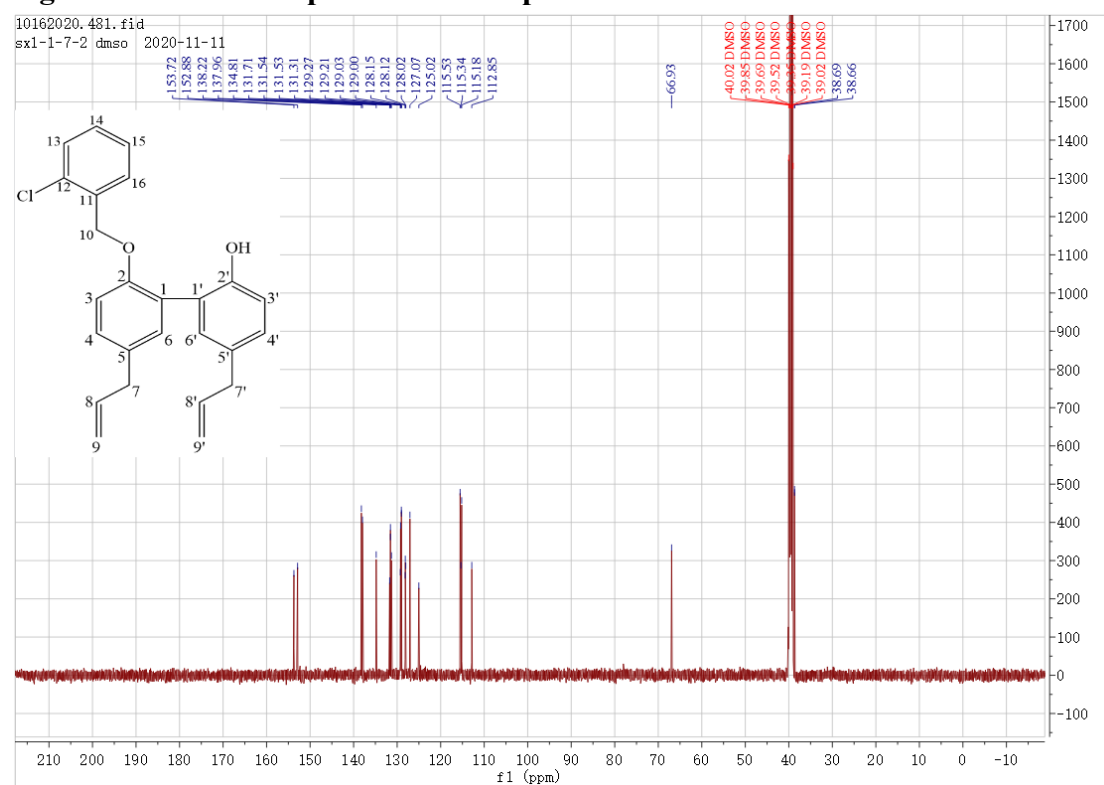
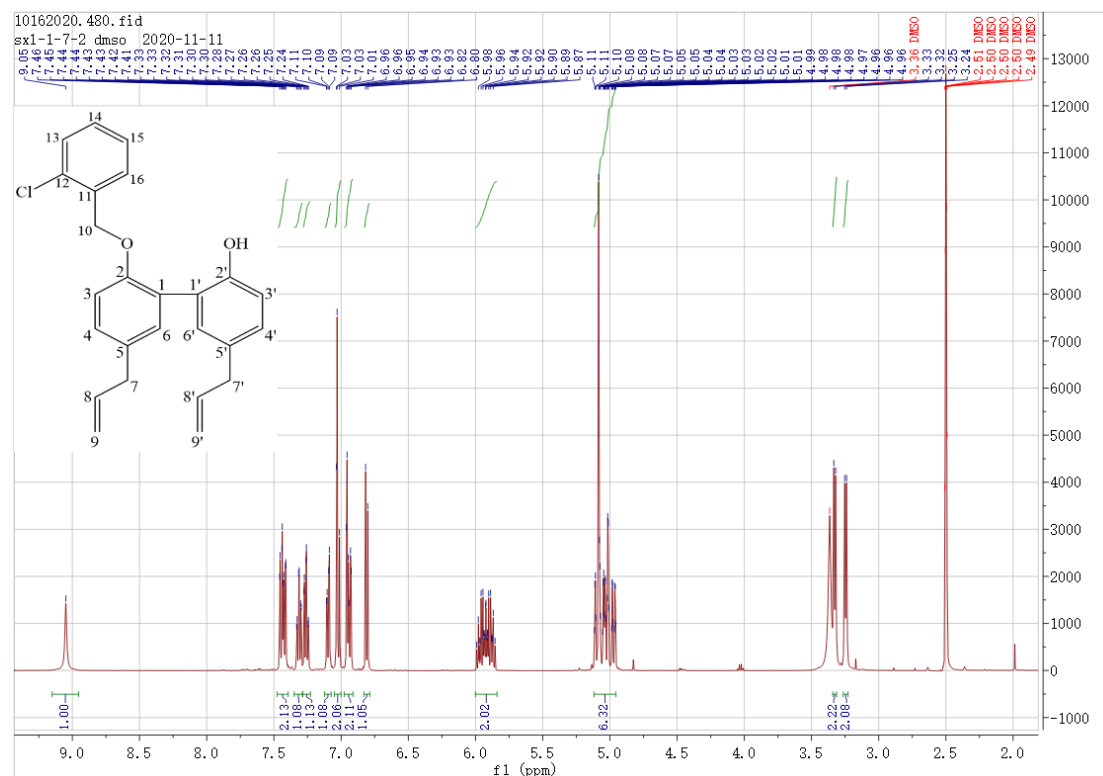


Figure S22 ¹³C NMR spectrum of 6a





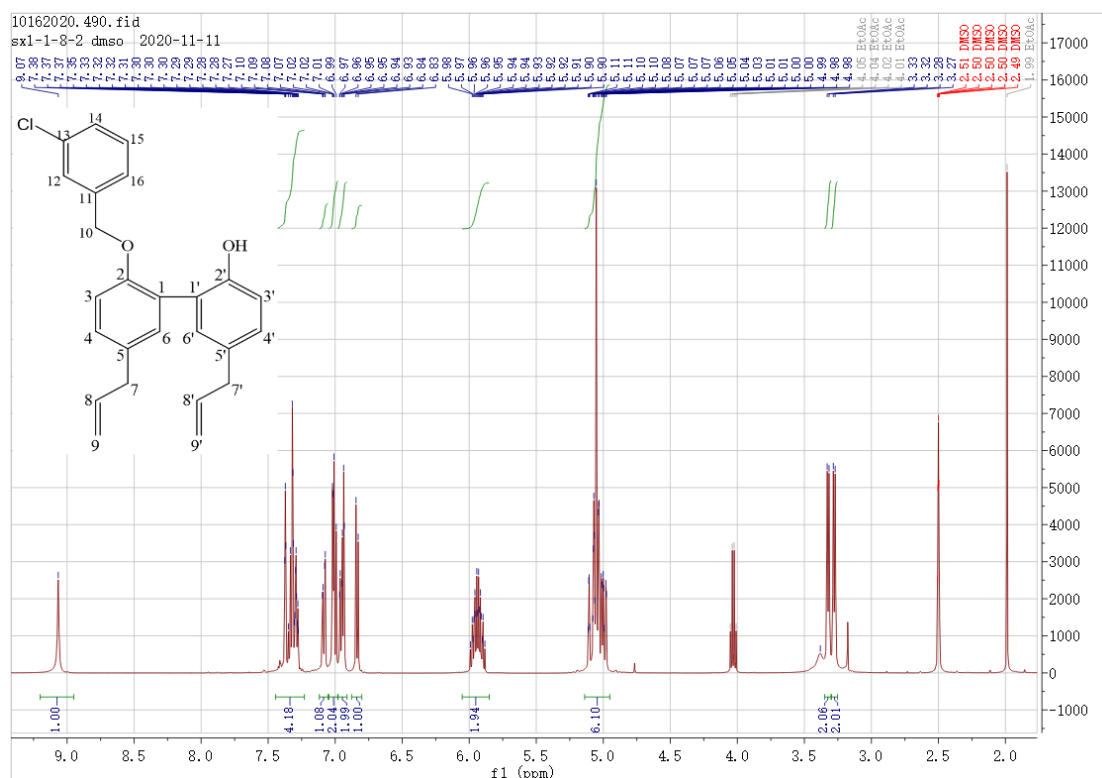


Figure S27 ¹H NMR spectrum of compound 8a

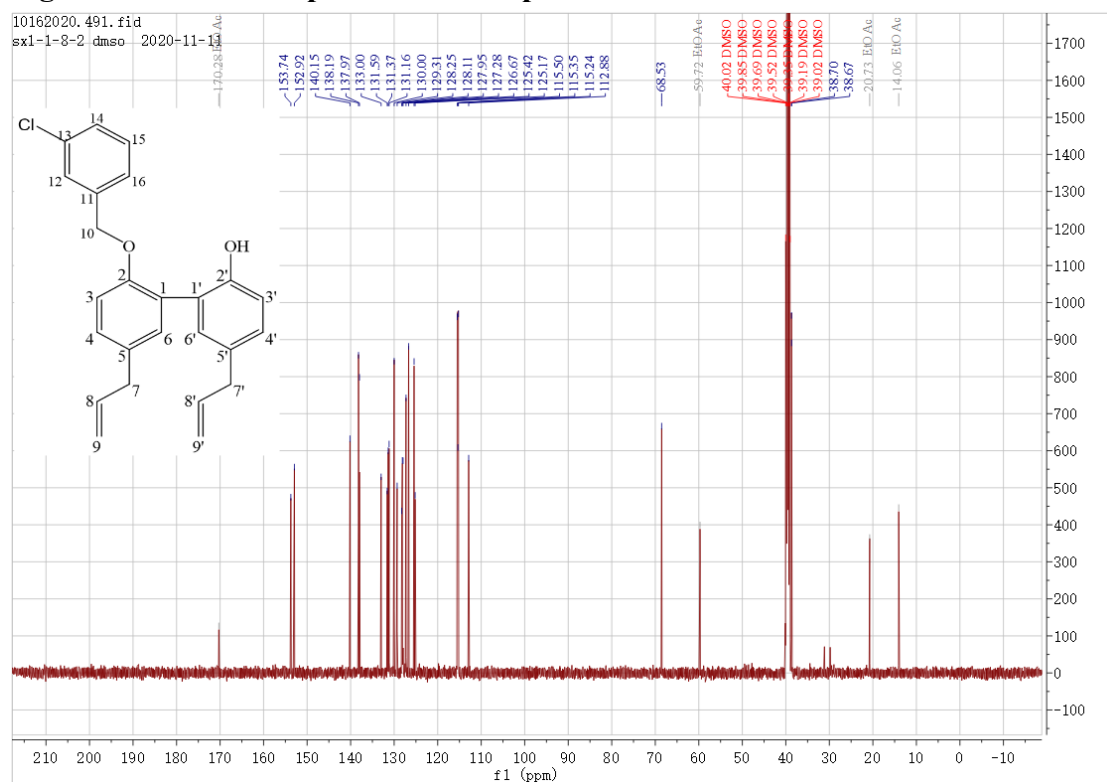


Figure S28 ¹³C NMR spectrum of 8a

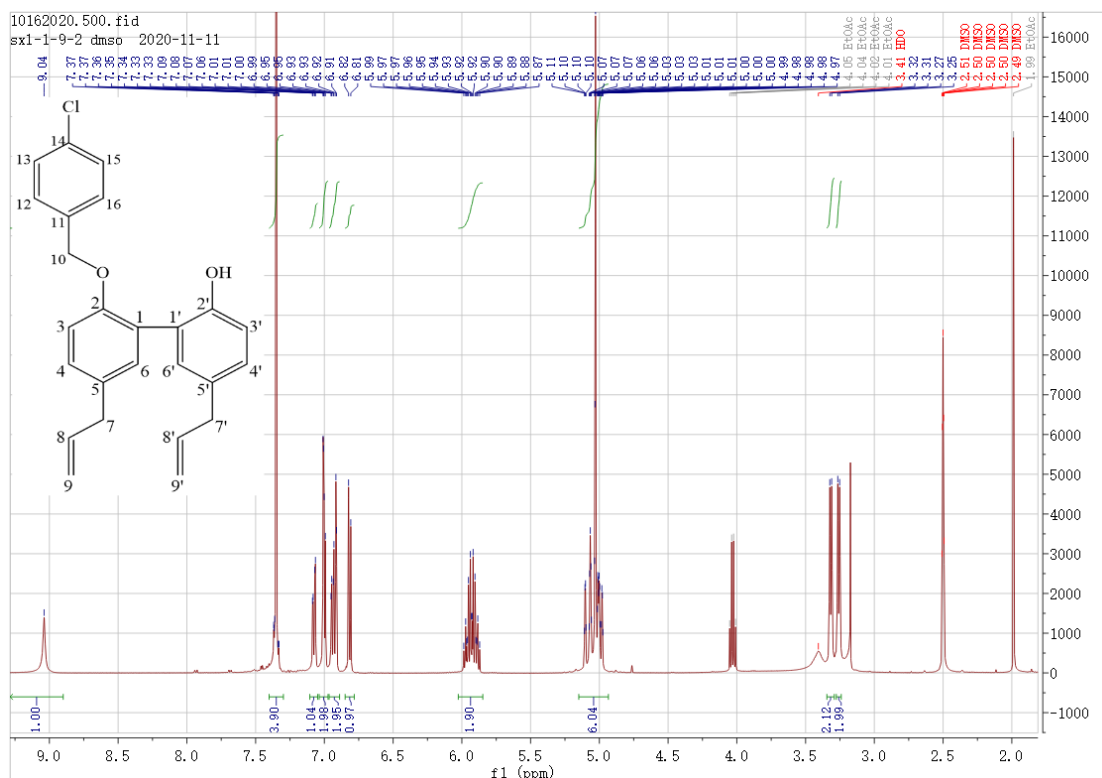


Figure S29 ¹H NMR spectrum of compound 9a

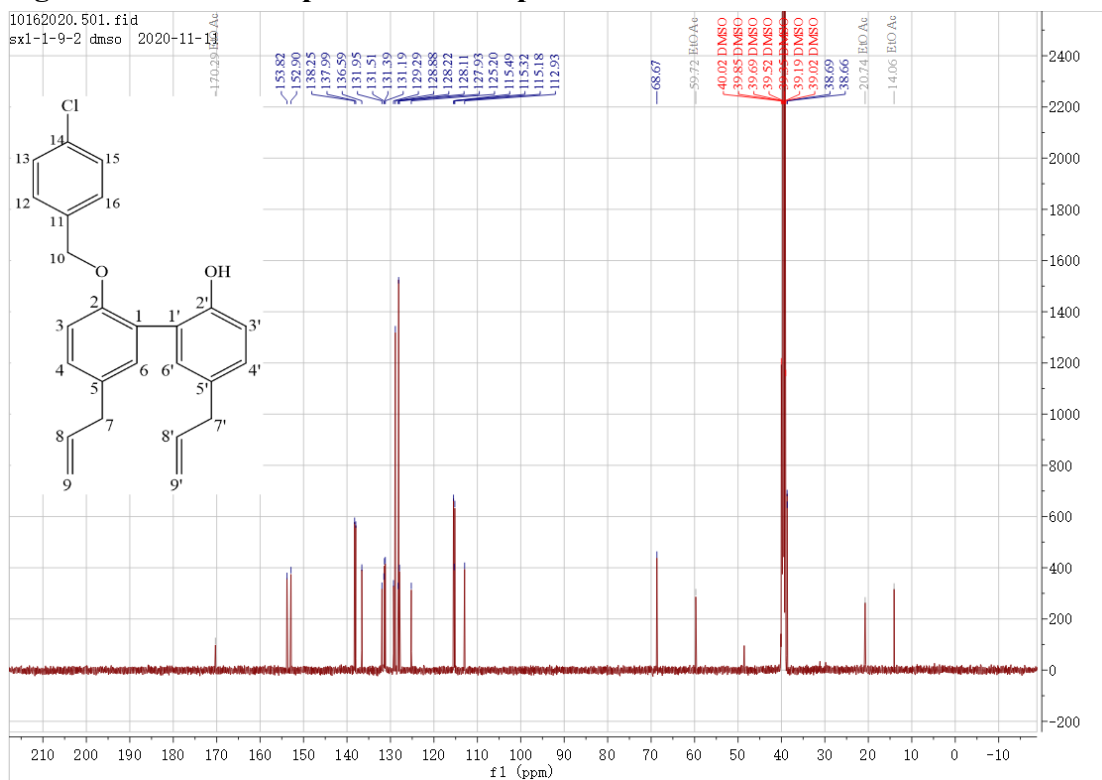


Figure S30 ¹³C NMR spectrum of 9a

1-49 #9 RT: 0.10 AV: 1 NL: 1.06E9
T: FTMS + p ESI Full lock ms [80.0000-1200.0000]

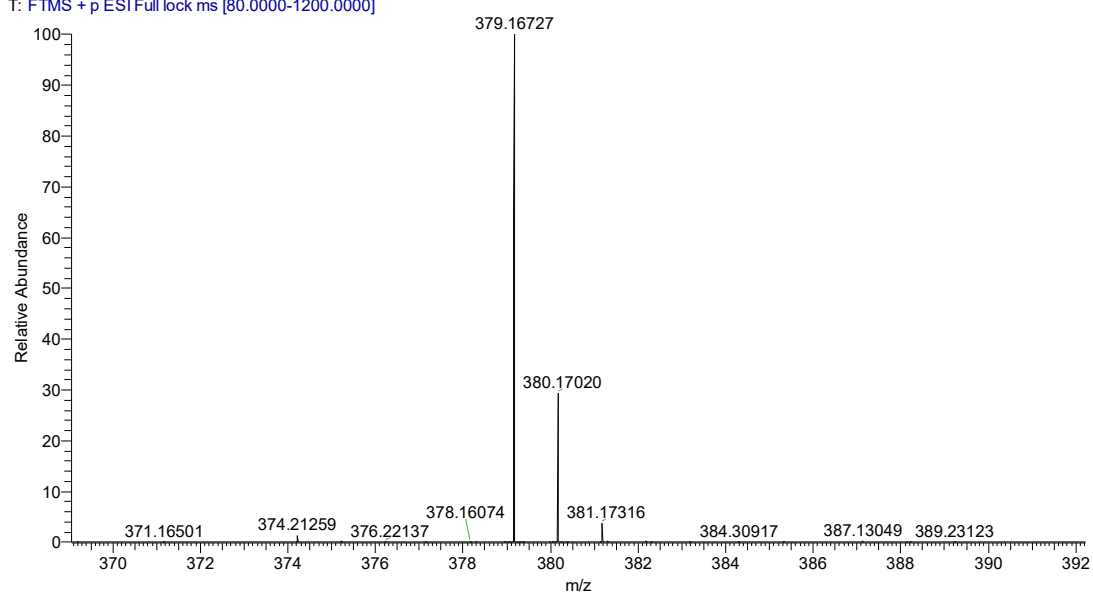


Figure S31 HR-ESI-MS spectrum of compound 3a

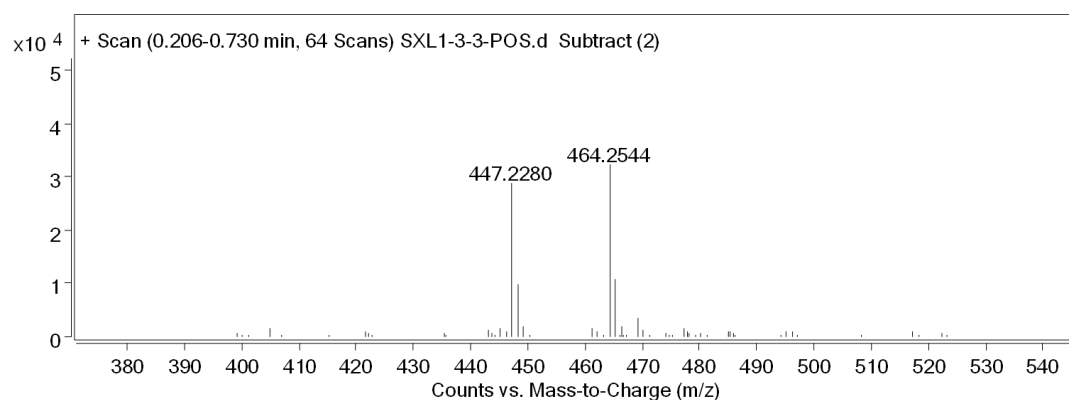


Figure S32 HR-ESI-MS spectrum of compound 3b

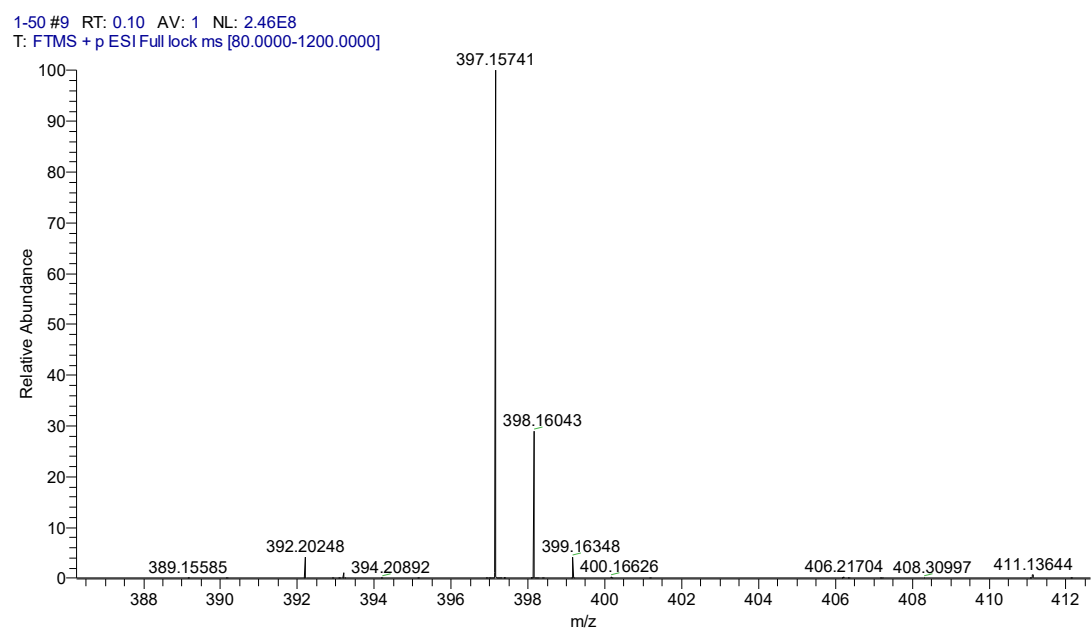


Figure S33 HR-ESI-MS spectrum of compound 4a

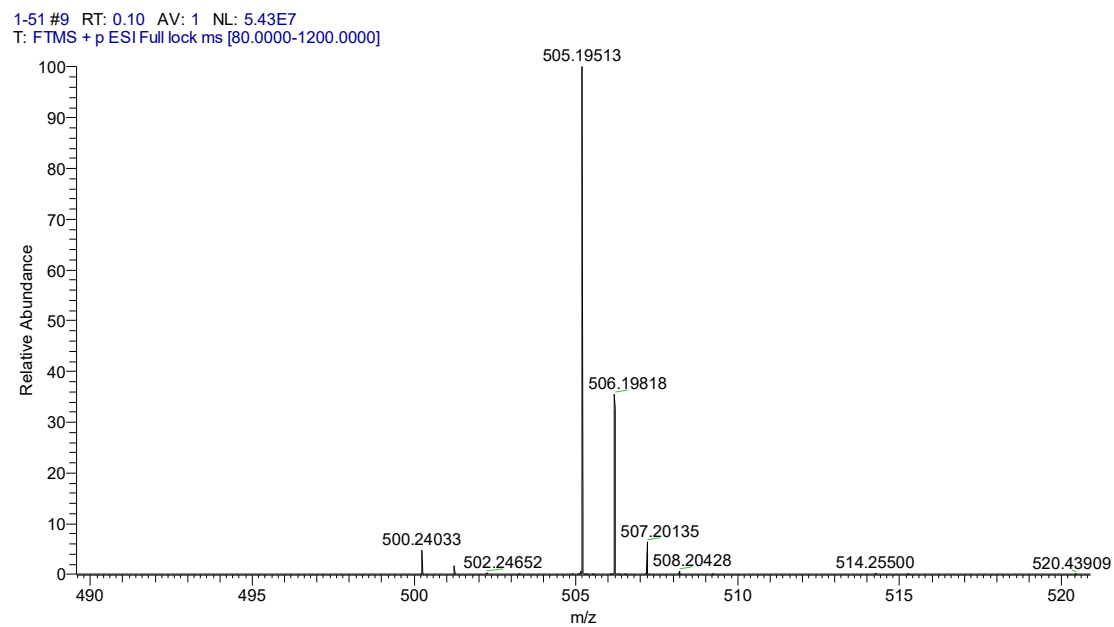


Figure S34 HR-ESI-MS spectrum of compound 4b

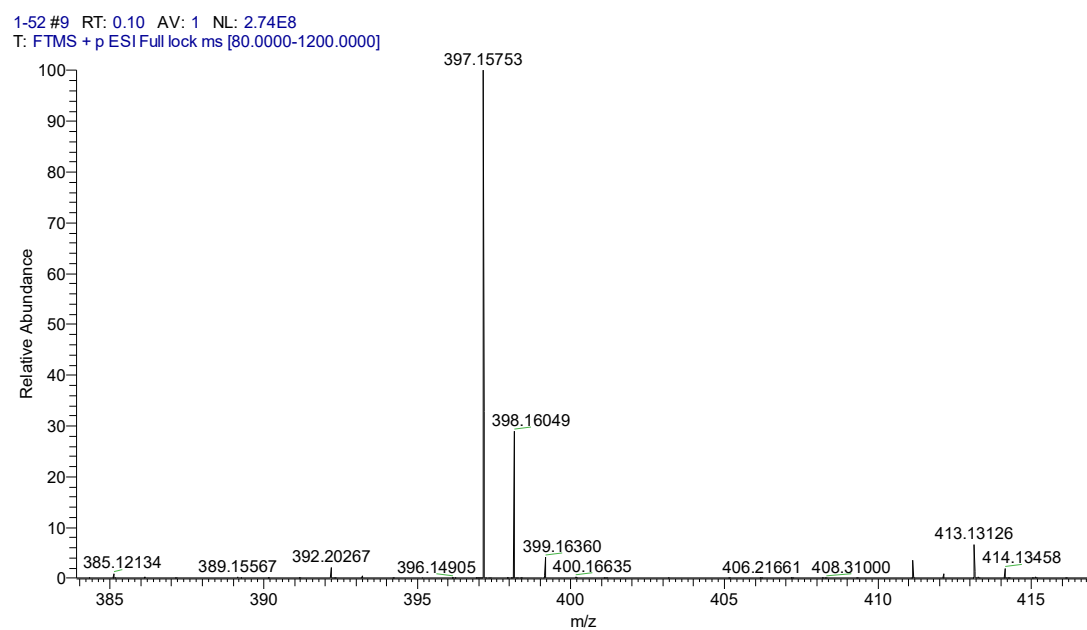


Figure S35 HR-ESI-MS spectrum of compound 5a

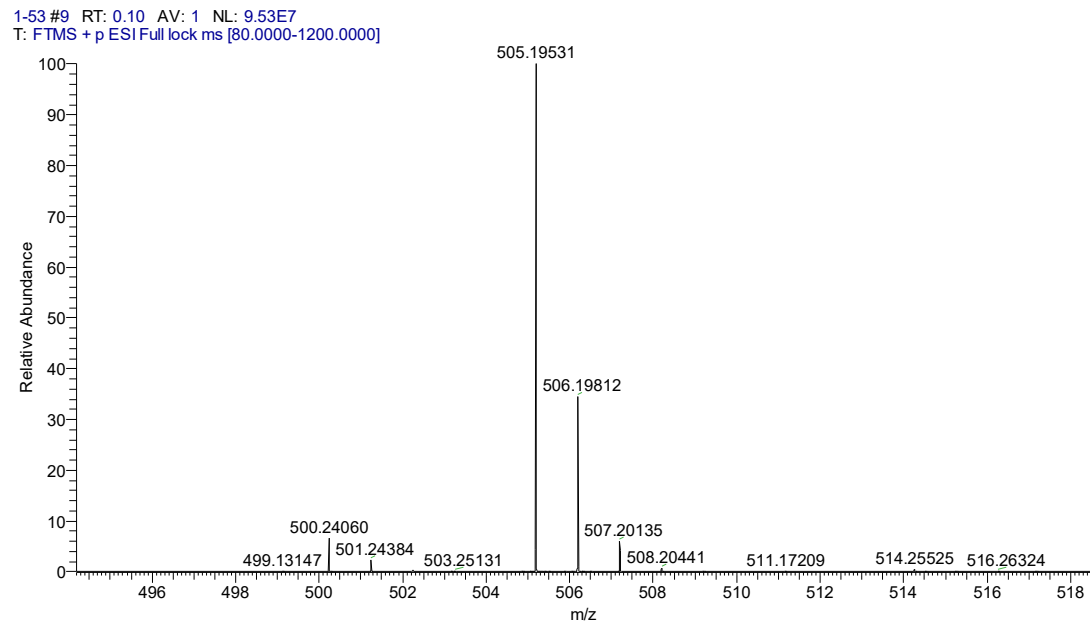


Figure S36 HR-ESI-MS spectrum of compound 5b

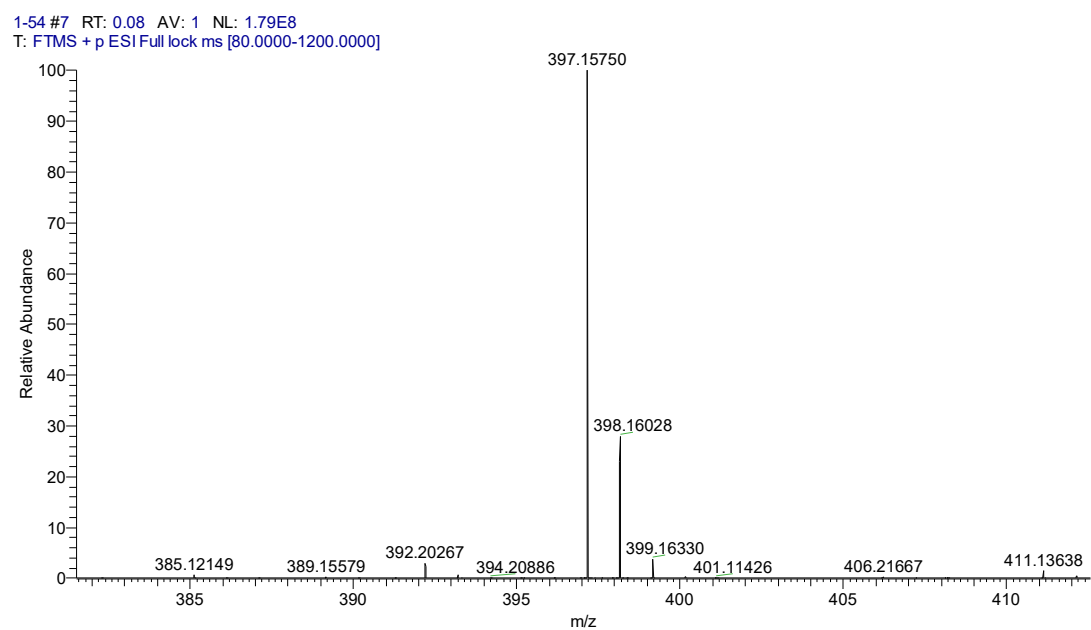


Figure S37 HR-ESI-MS spectrum of compound 6a

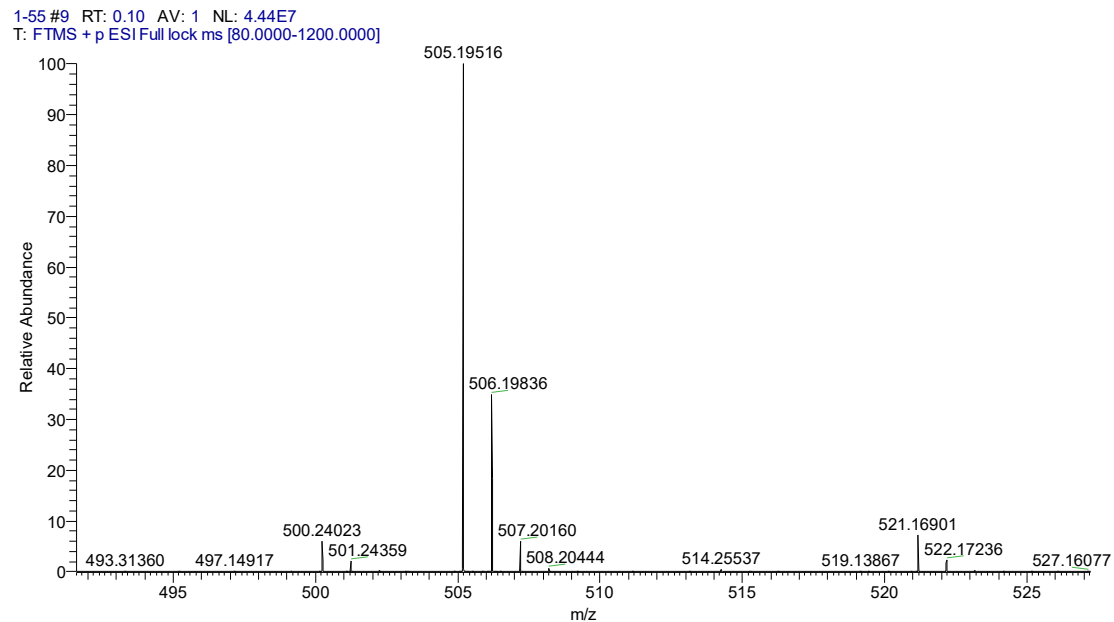


Figure S38 HR-ESI-MS spectrum of compound 6b

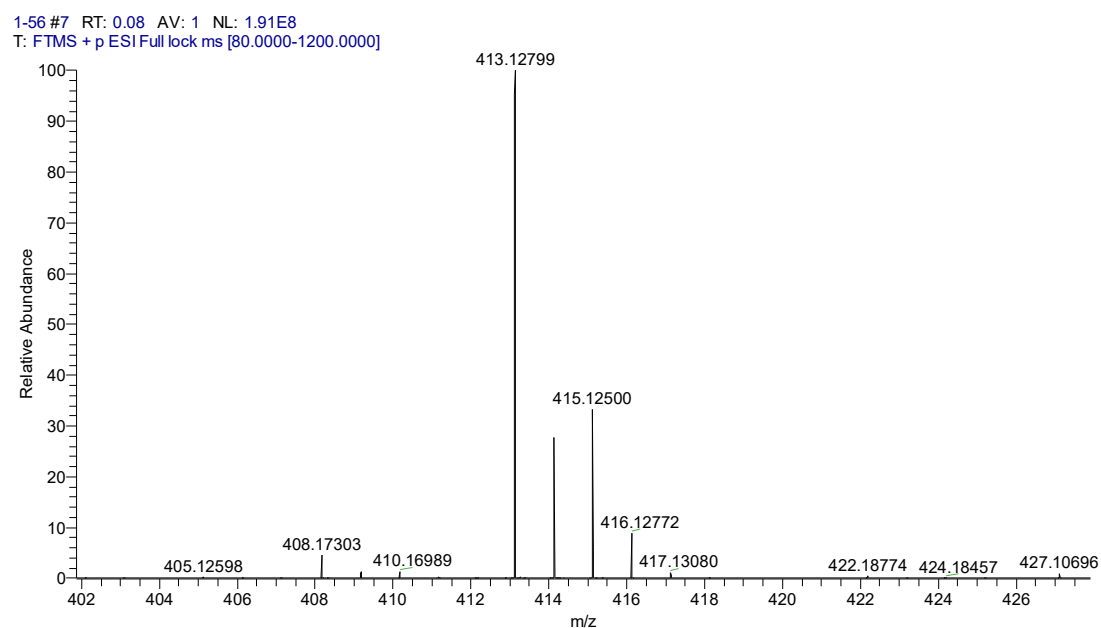


Figure S39 HR-ESI-MS spectrum of compound 7a

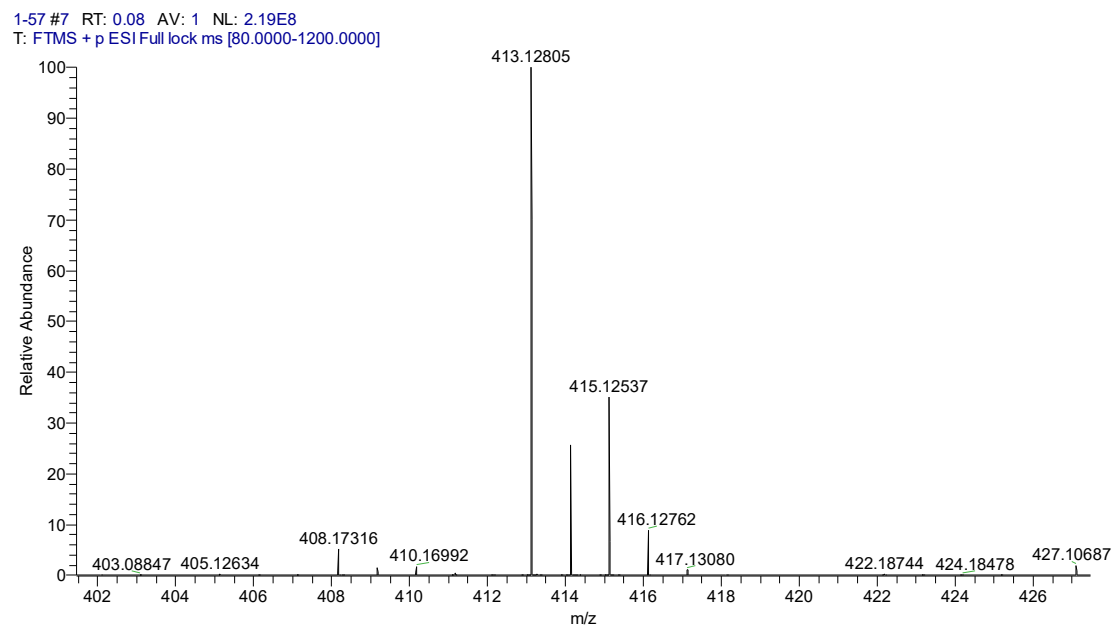


Figure S40 HR-ESI-MS spectrum of compound 8a

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T: FTMS + p ESI Full lock ms [80.0000-1200.0000]

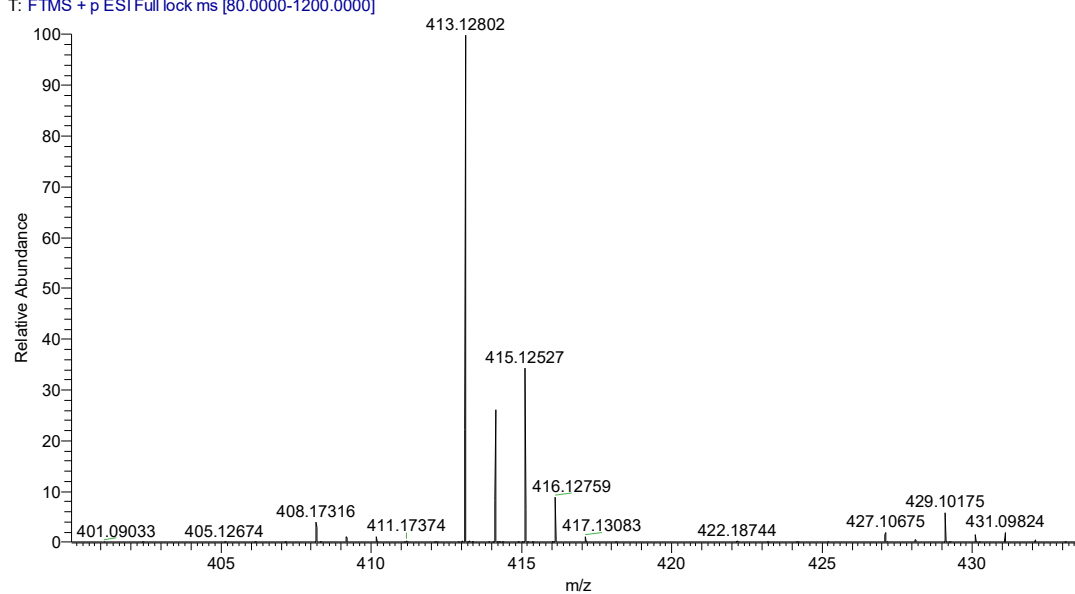


Figure S41 HR-ESI-MS spectrum of compound 9a