

Evidence-Based Complementary and Alternative Medicine

Anti-inflammatory effects of fermented bark of *Acanthopanax sessiliflorus* and its isolated compounds on lipopolysaccharide-treated RAW 264.7 macrophage cells

Min Ji Kim¹, Hye Soo Wang¹, and Min Won Lee¹

¹Laboratory of Pharmacognosy and Natural Product derived Medicine, College of Pharmacy, Chung-Ang University, Seoul 06974, Korea

Correspondence should be addressed to Min Won Lee; mwlee@cau.ac.kr

Supplementary Materials

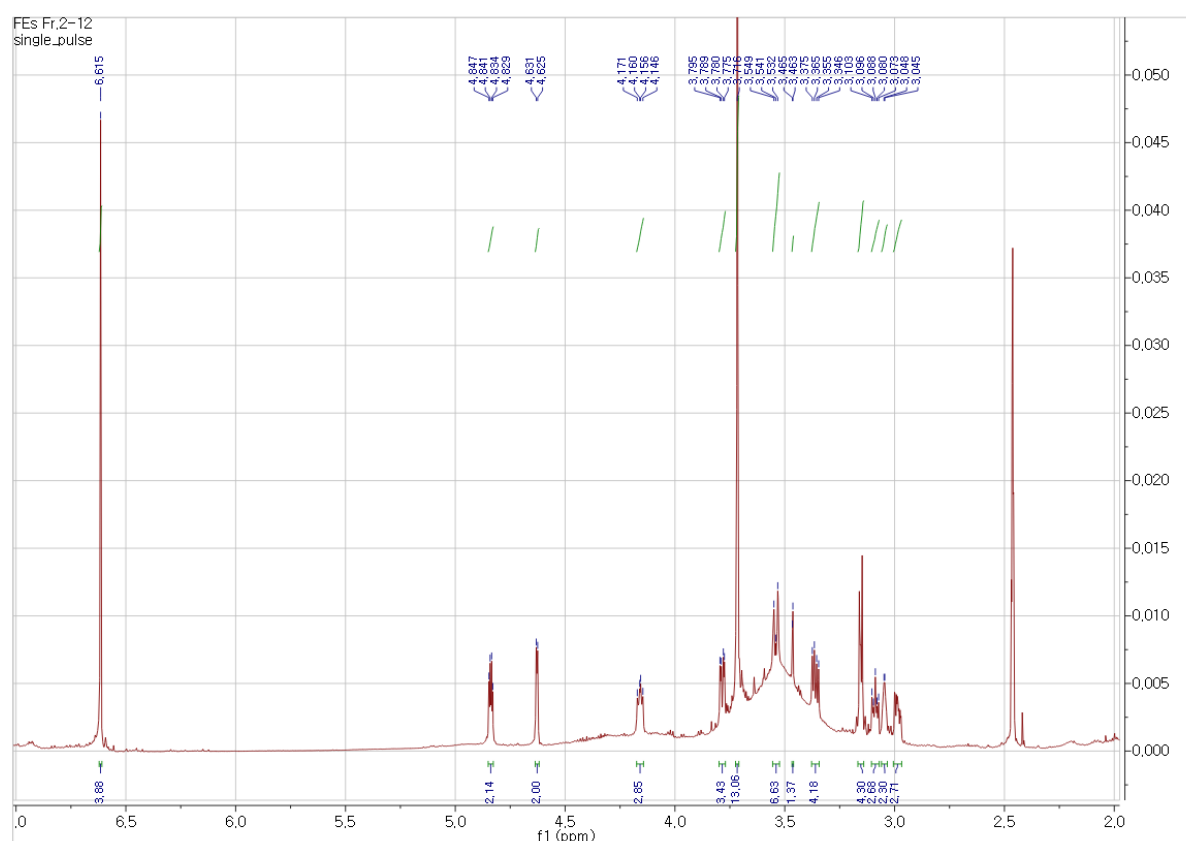
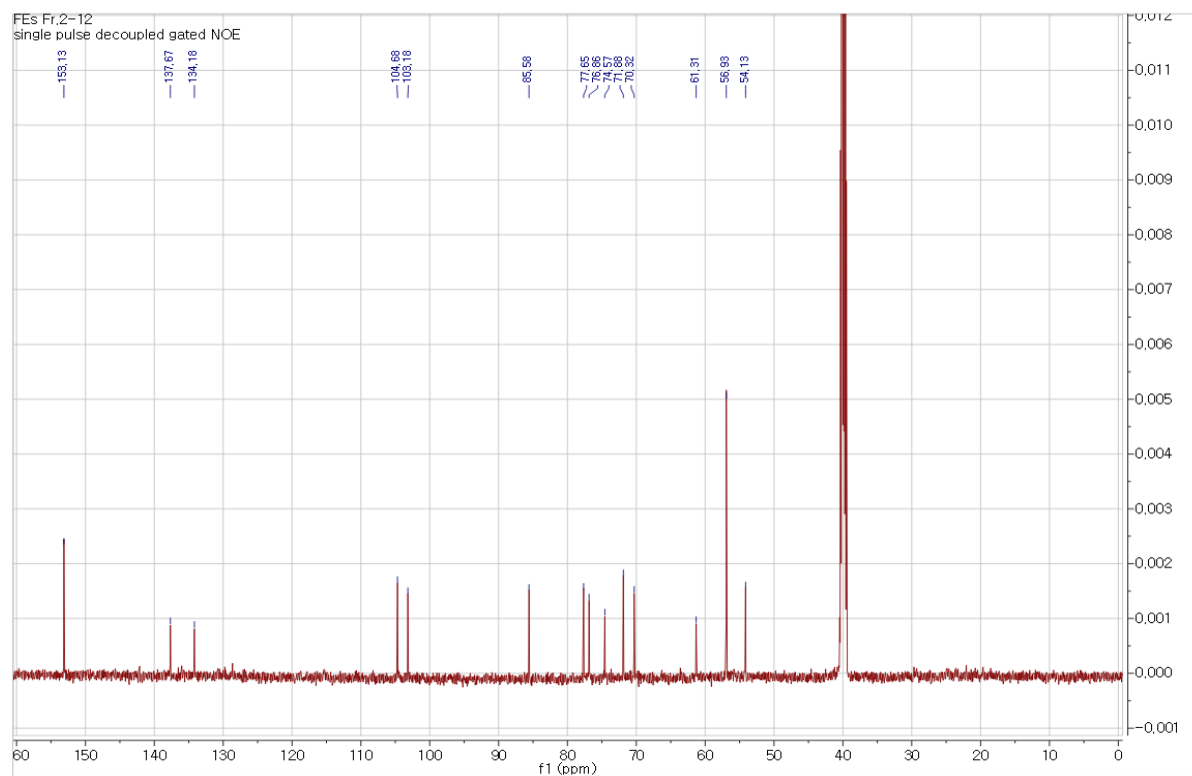
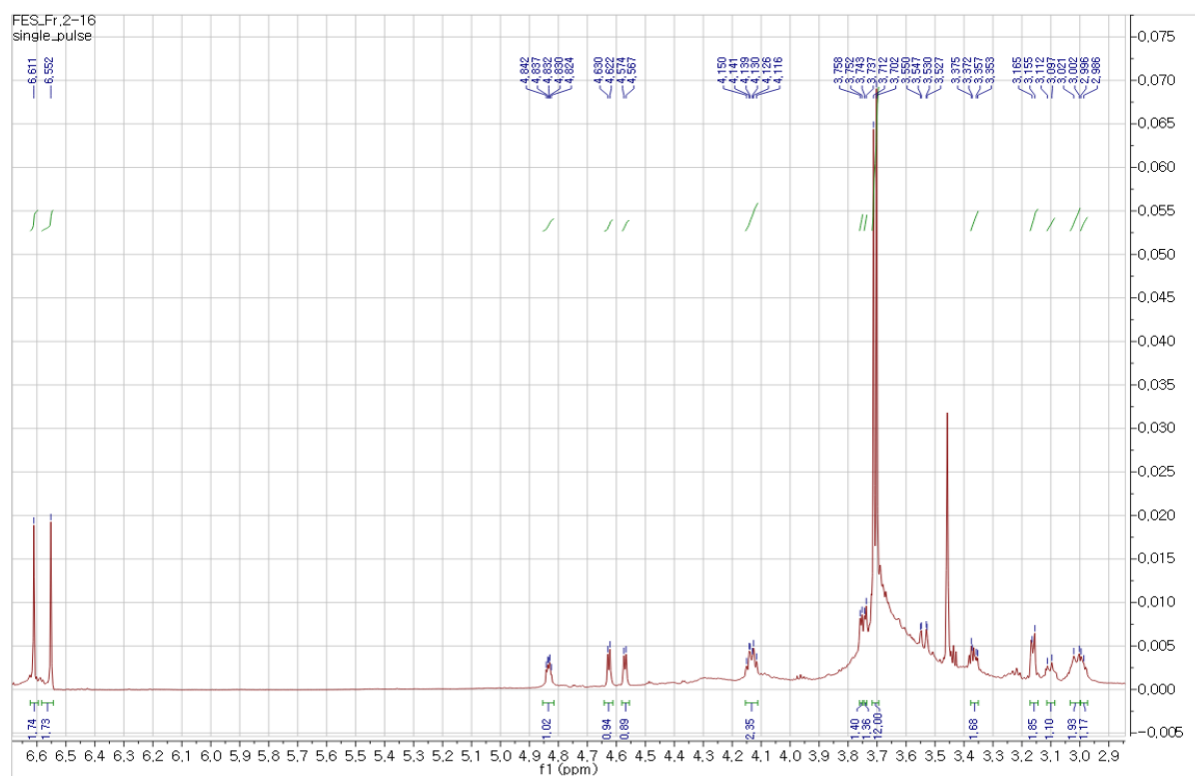


Figure S1-1: ¹H-NMR spectrum of compound **1** (600 MHz, DMSO-D₂O)

Figure S1-2: ^{13}C -NMR spectrum of compound **1** (150 MHz, DMSO+D₂O)12
13
14

Figure S2-1: ^1H -NMR spectrum of compound **2** (600 MHz, DMSO+D₂O)

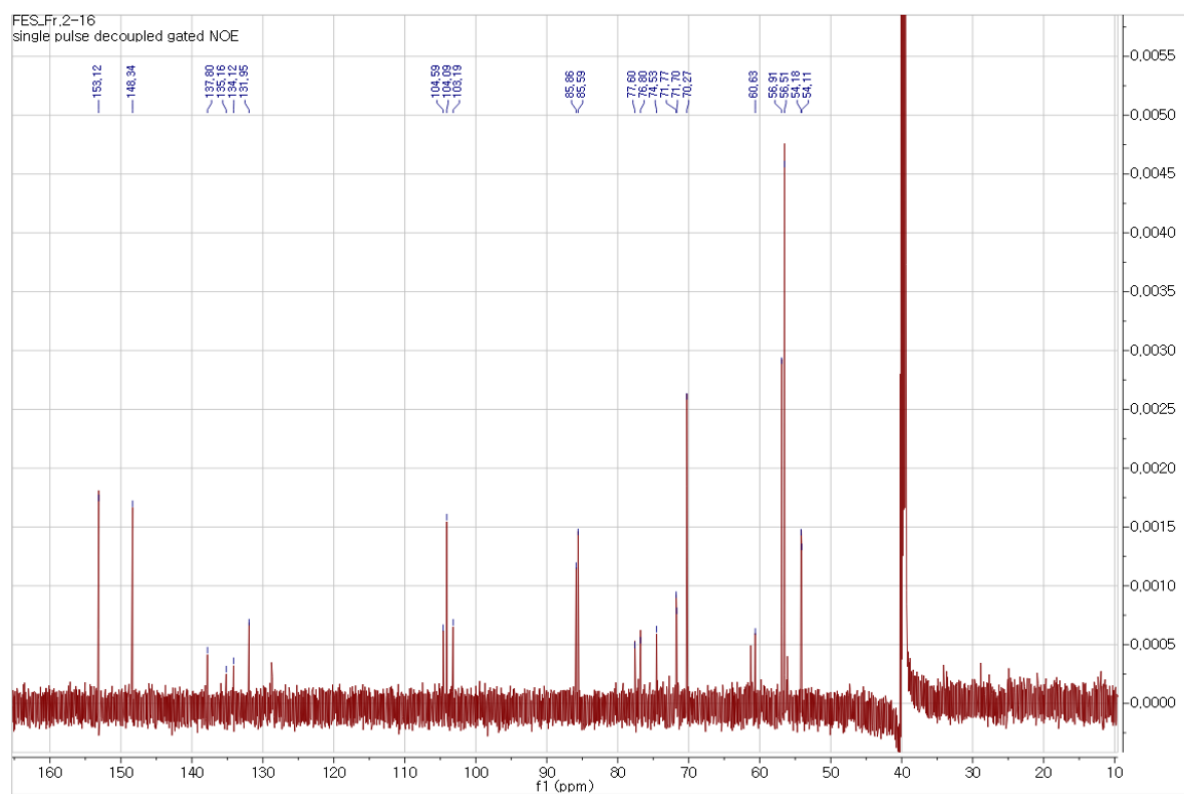
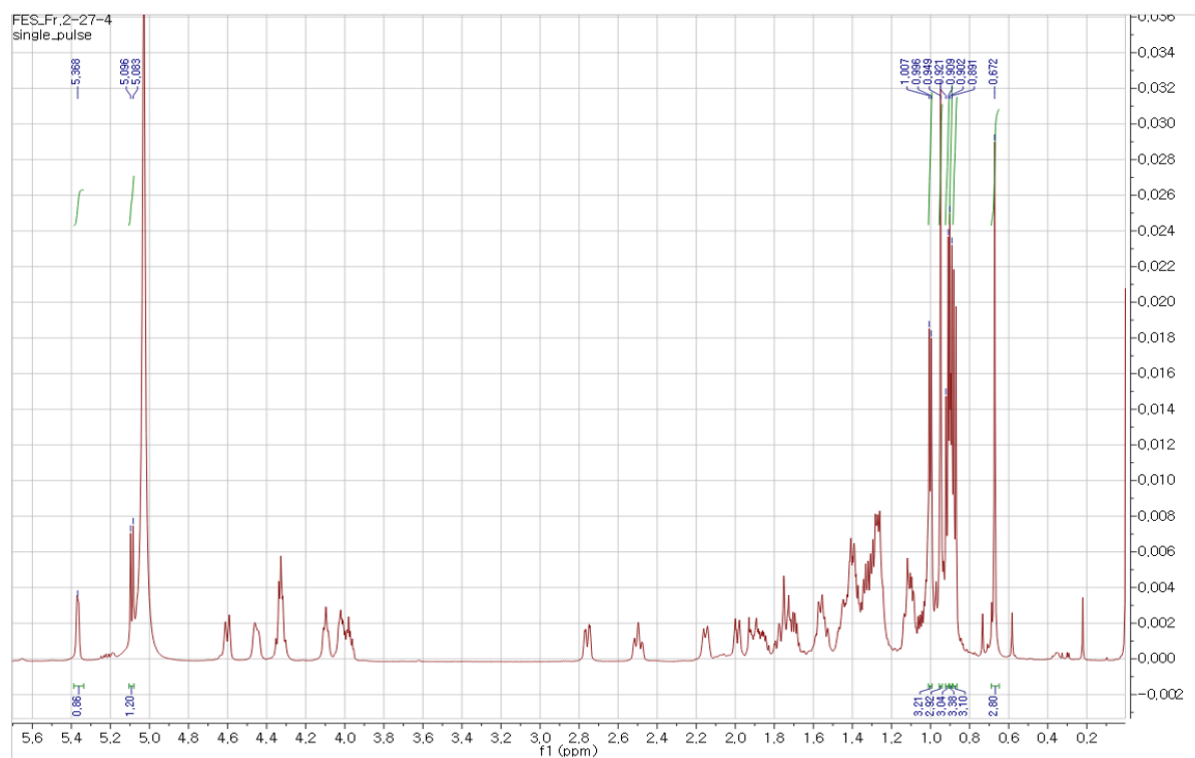


Figure S2-2: ^{13}C -NMR spectrum of compound **2** (150 MHz, DMSO+D₂O)



21
22
23

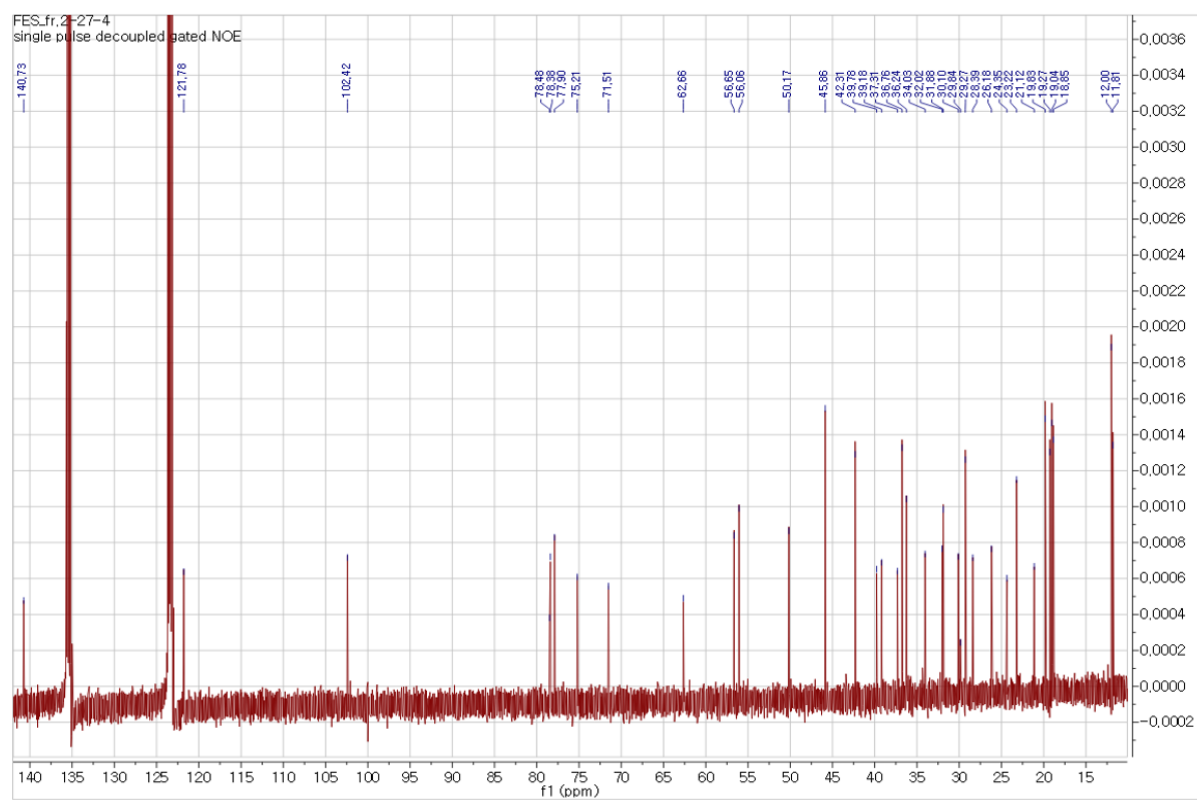


Figure S3-2: ^{13}C -NMR spectrum of compound **3** (150 MHz, pyridine- d_5)

24
25
26

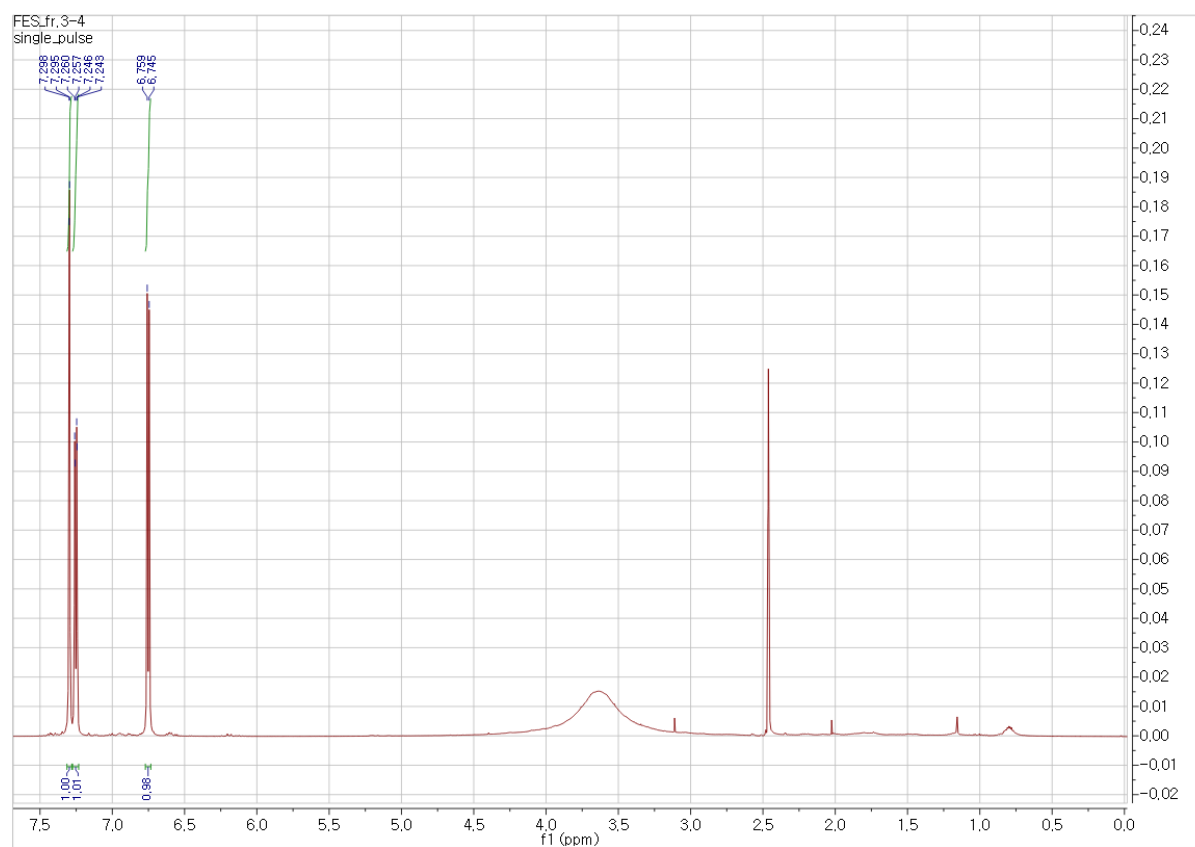


Figure S4-1: ^1H -NMR spectrum of compound **4** (600 MHz, DMSO+D₂O)

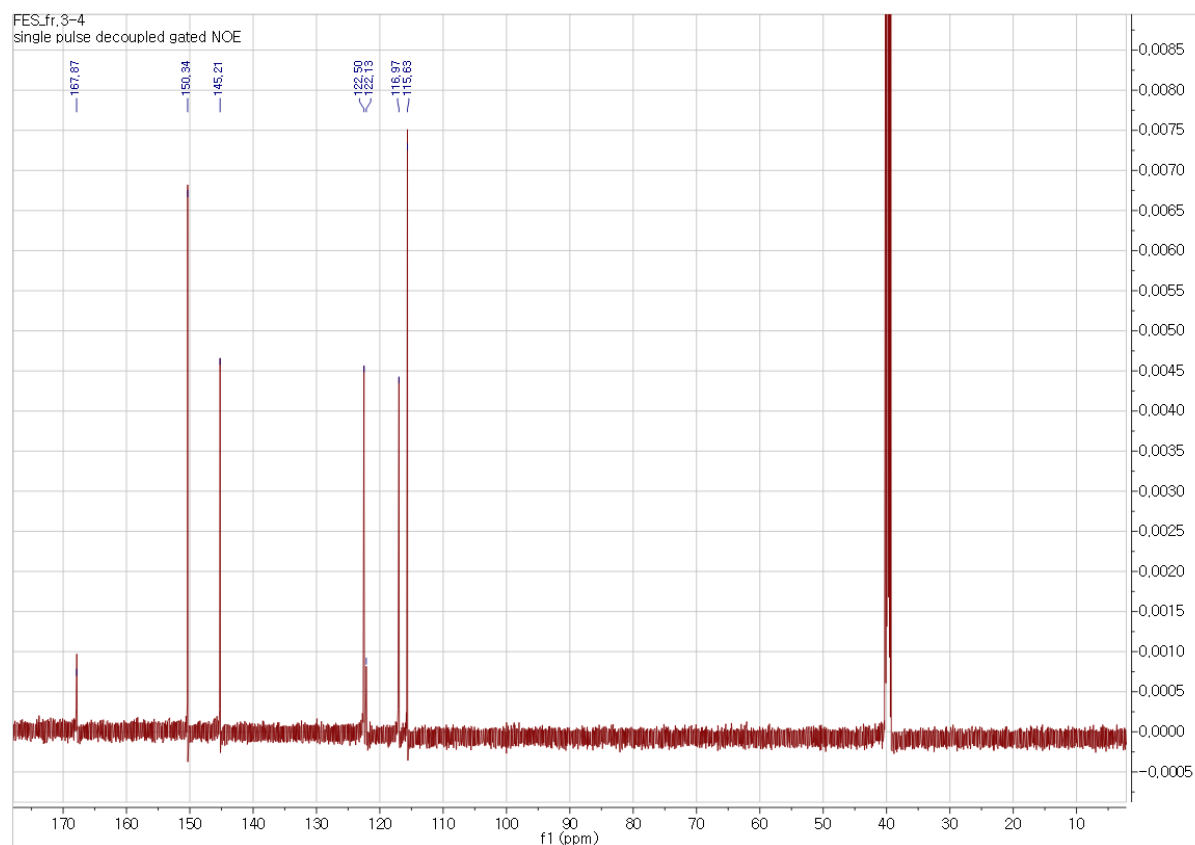
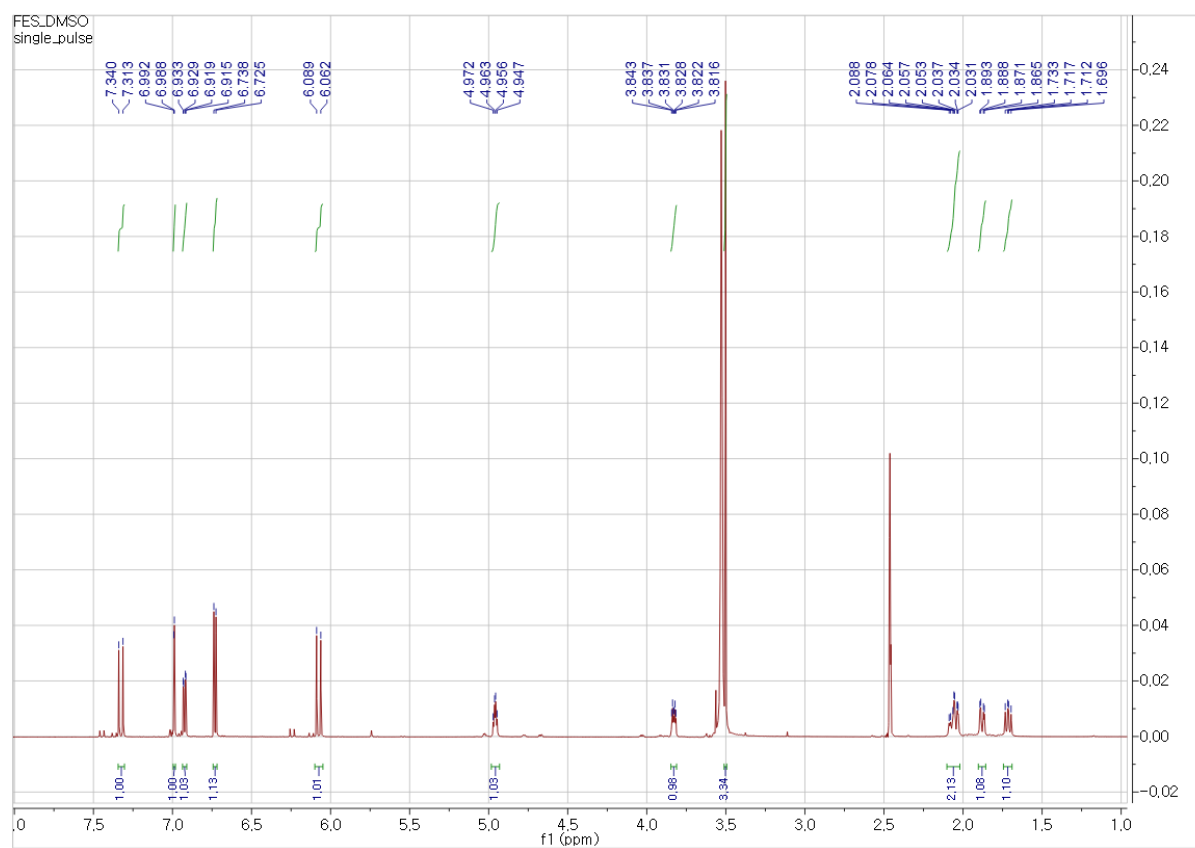
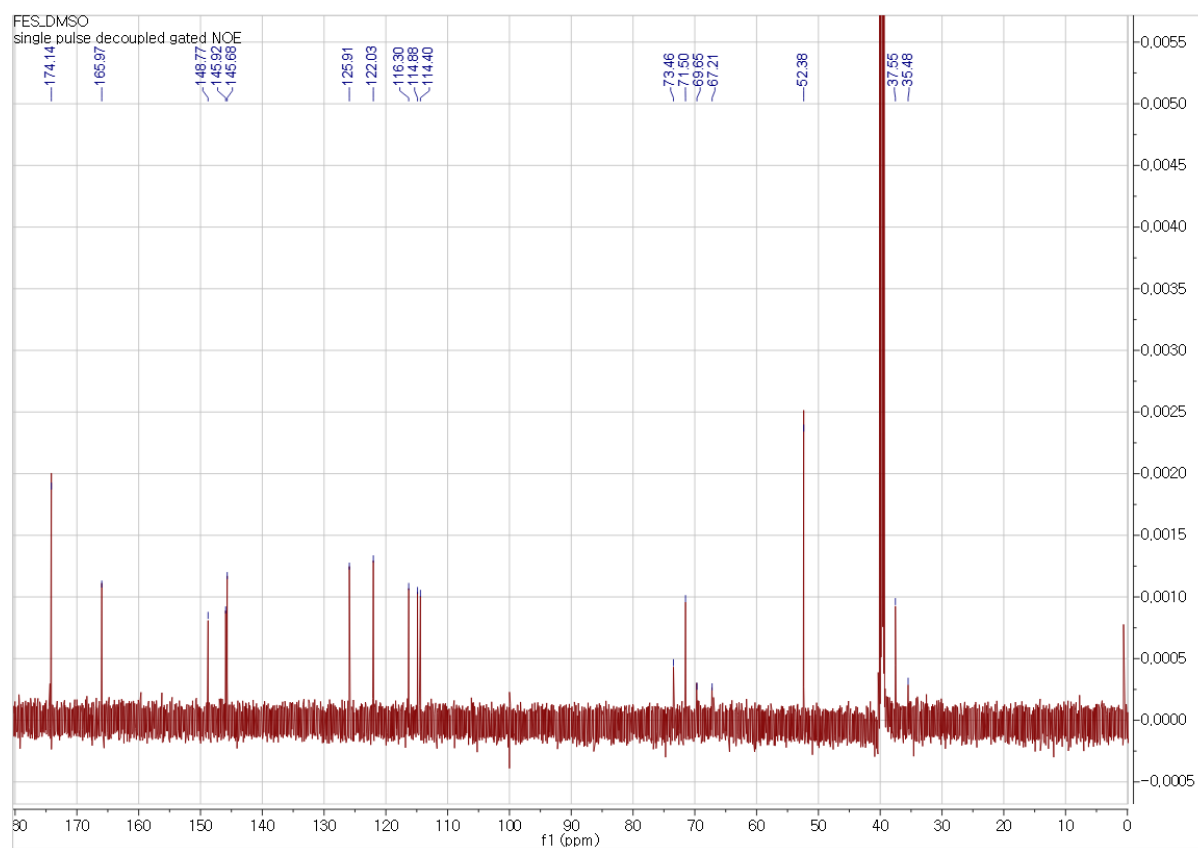
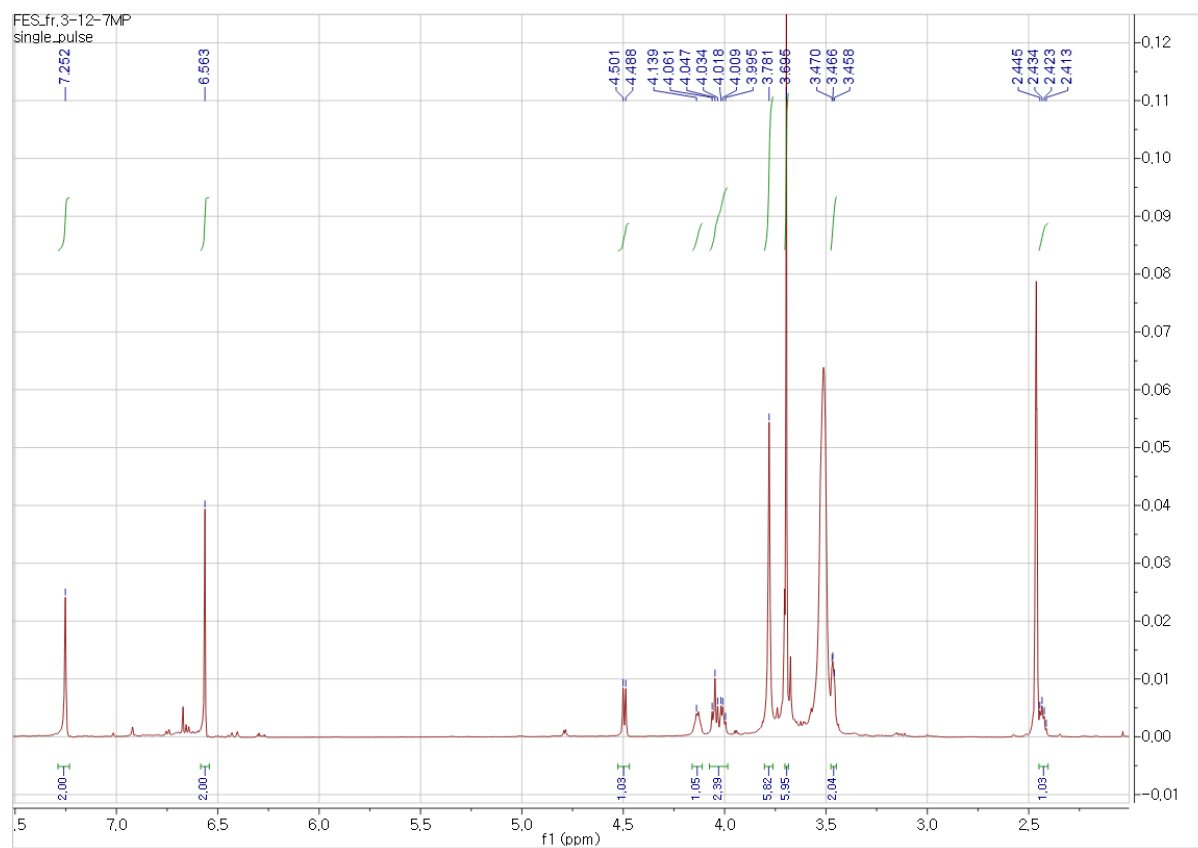


Figure S4-2: ^{13}C -NMR spectrum of compound **4** (150 MHz, DMSO- D_2O)

Figure S5-1: ^1H -NMR spectrum of compound **5** (600 MHz, DMSO- D_2O)

Figure S5-2: ^1H -NMR spectrum of compound **5** (150 MHz, DMSO+D₂O)36
37
38



39
40
41

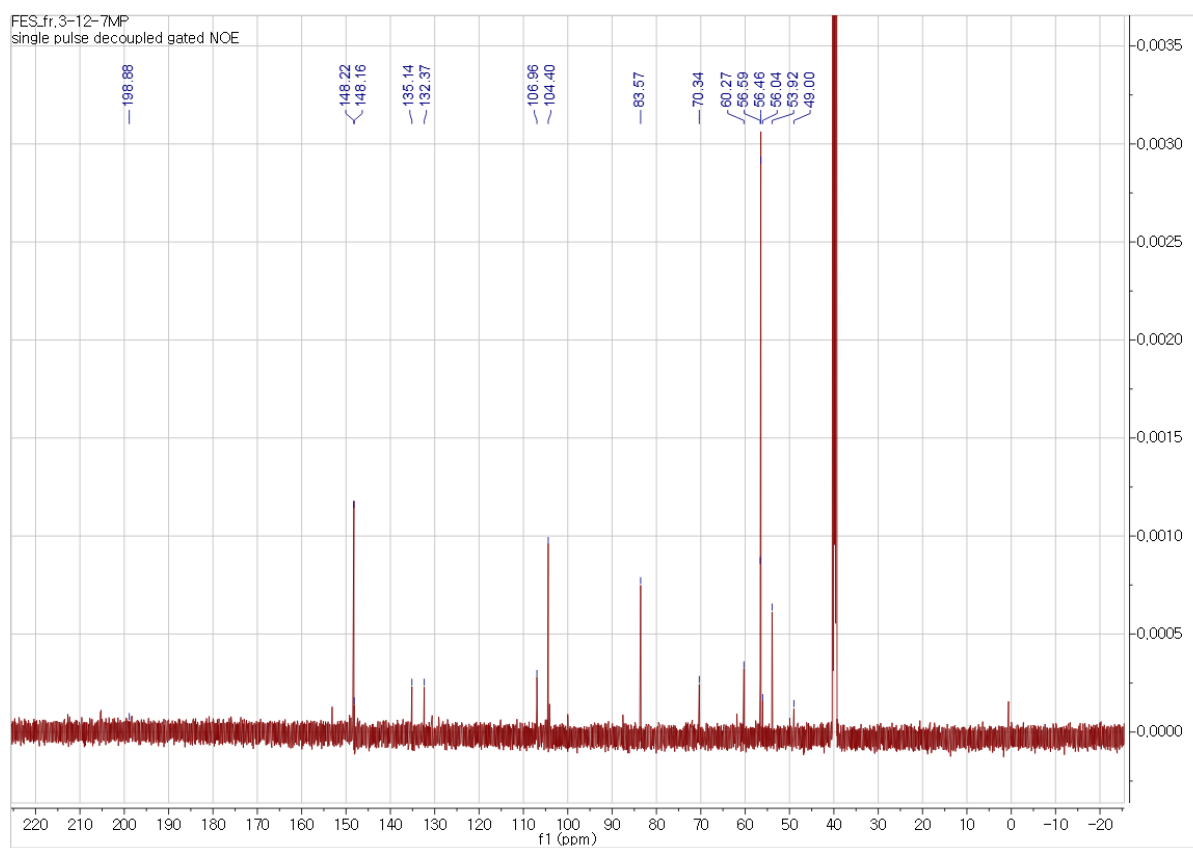
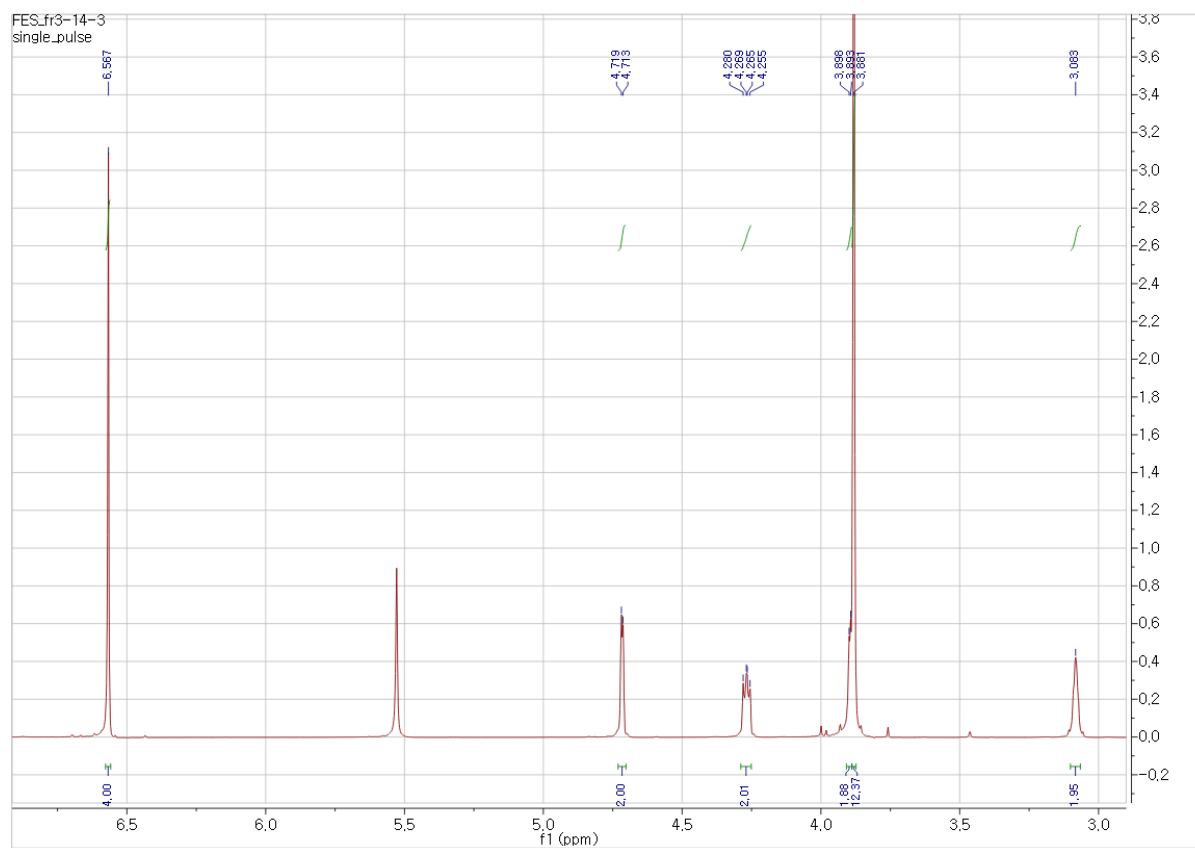


Figure S6-2: ^1H -NMR spectrum of compound **6** (150 MHz, DMSO+D₂O)

Figure S7-1: ^1H -NMR spectrum of compound **7** (600 MHz, CDCl_3)

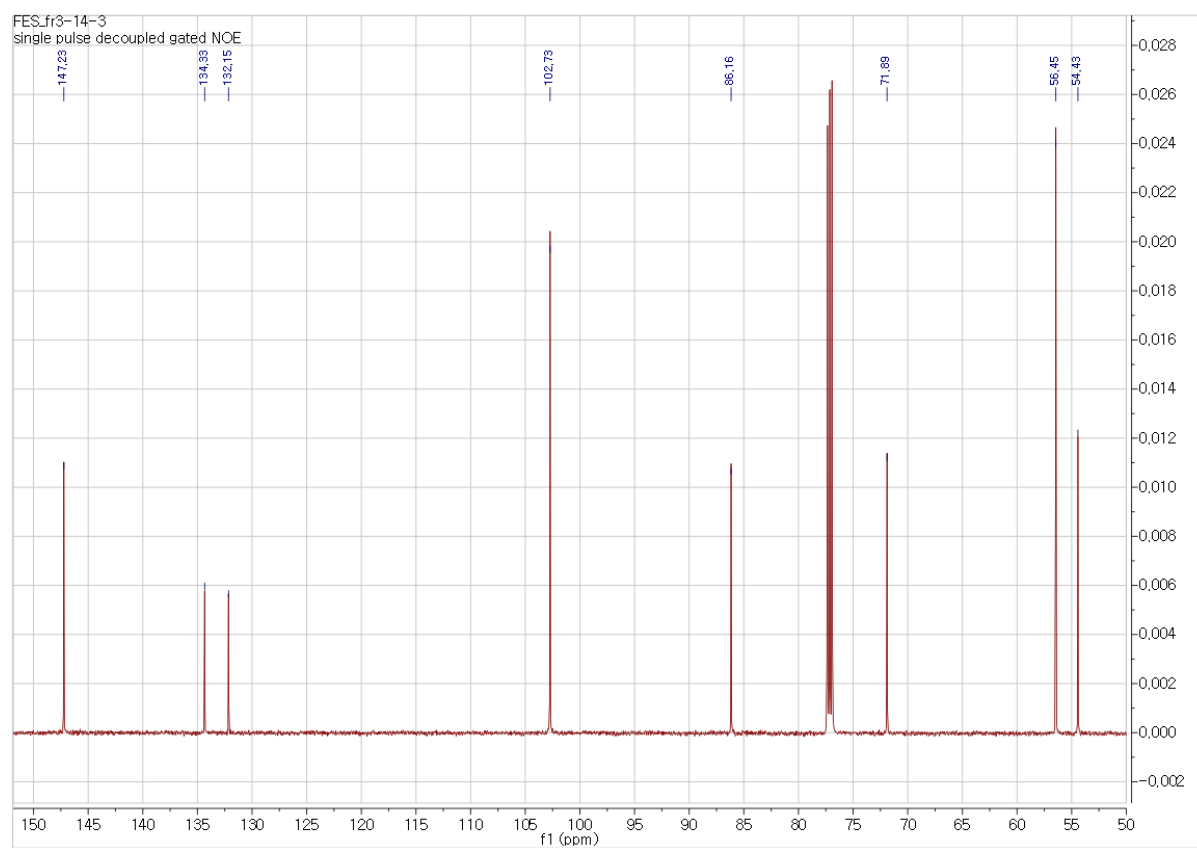
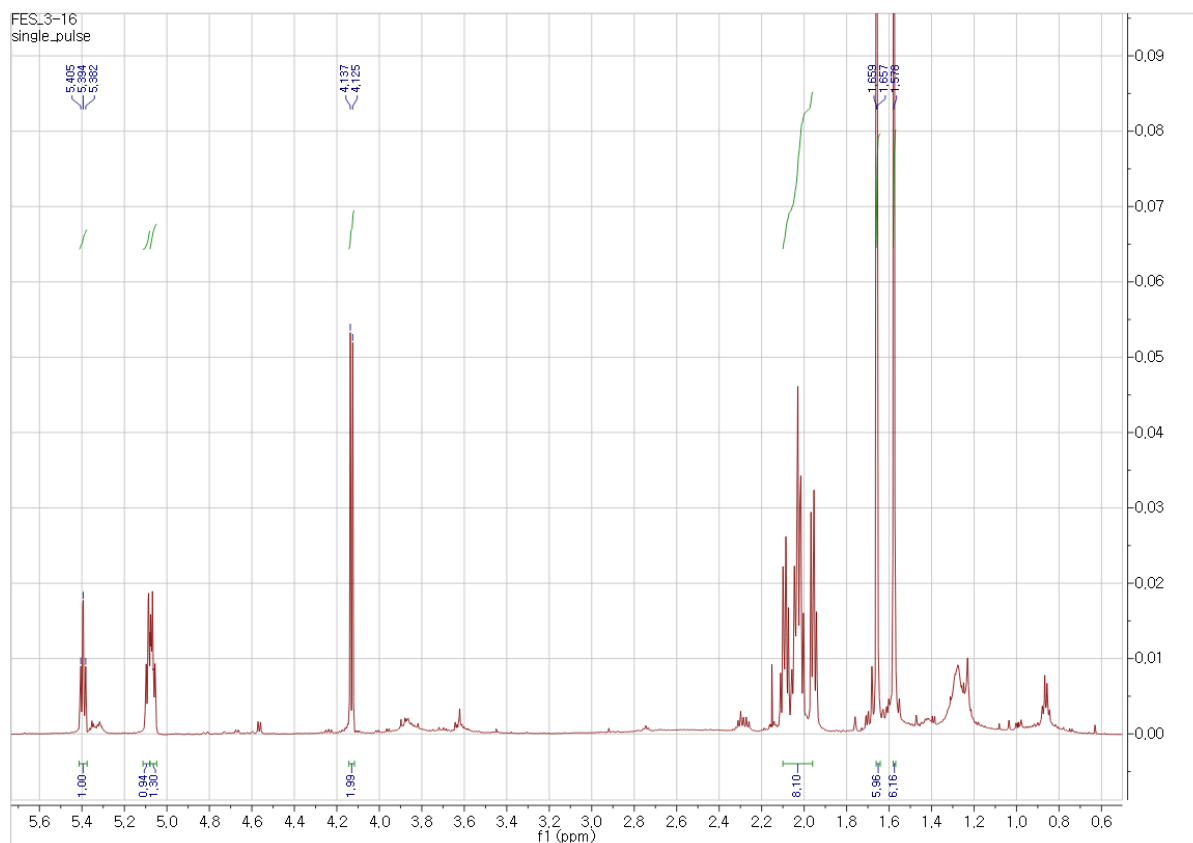
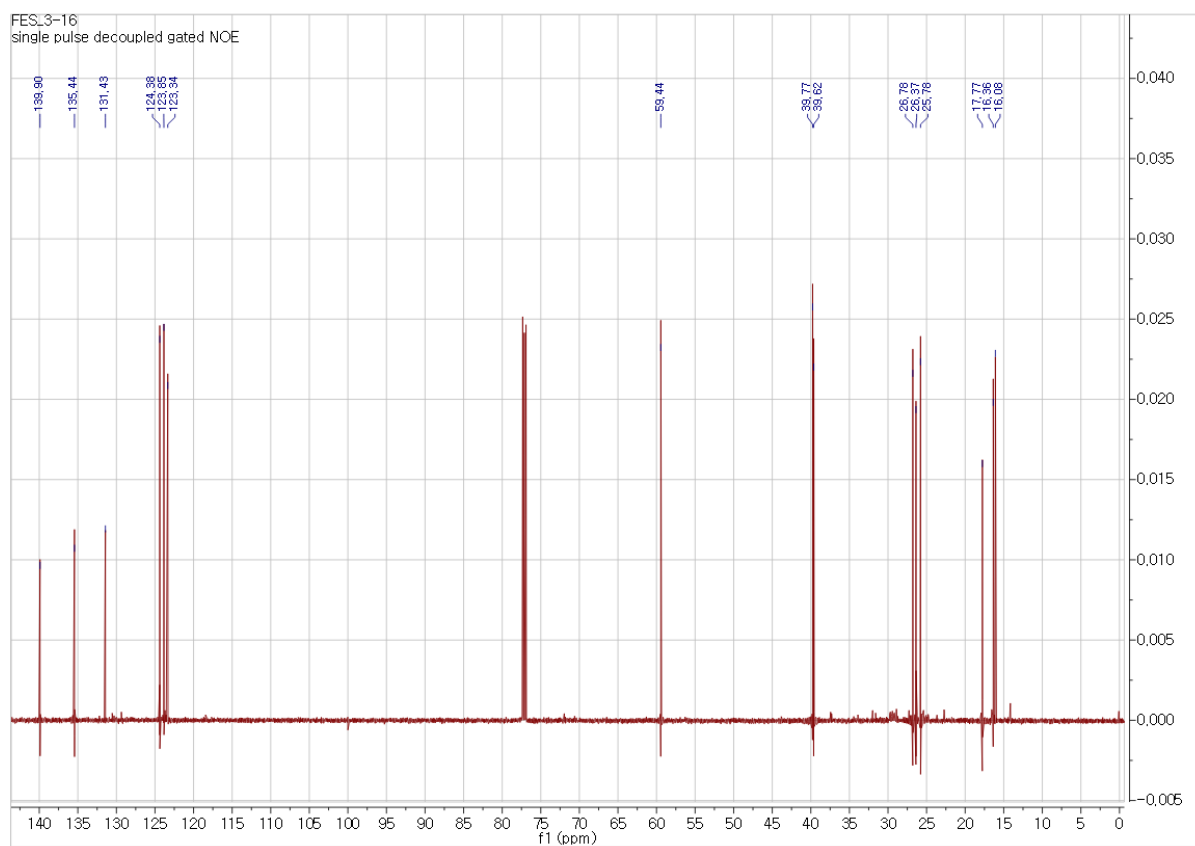
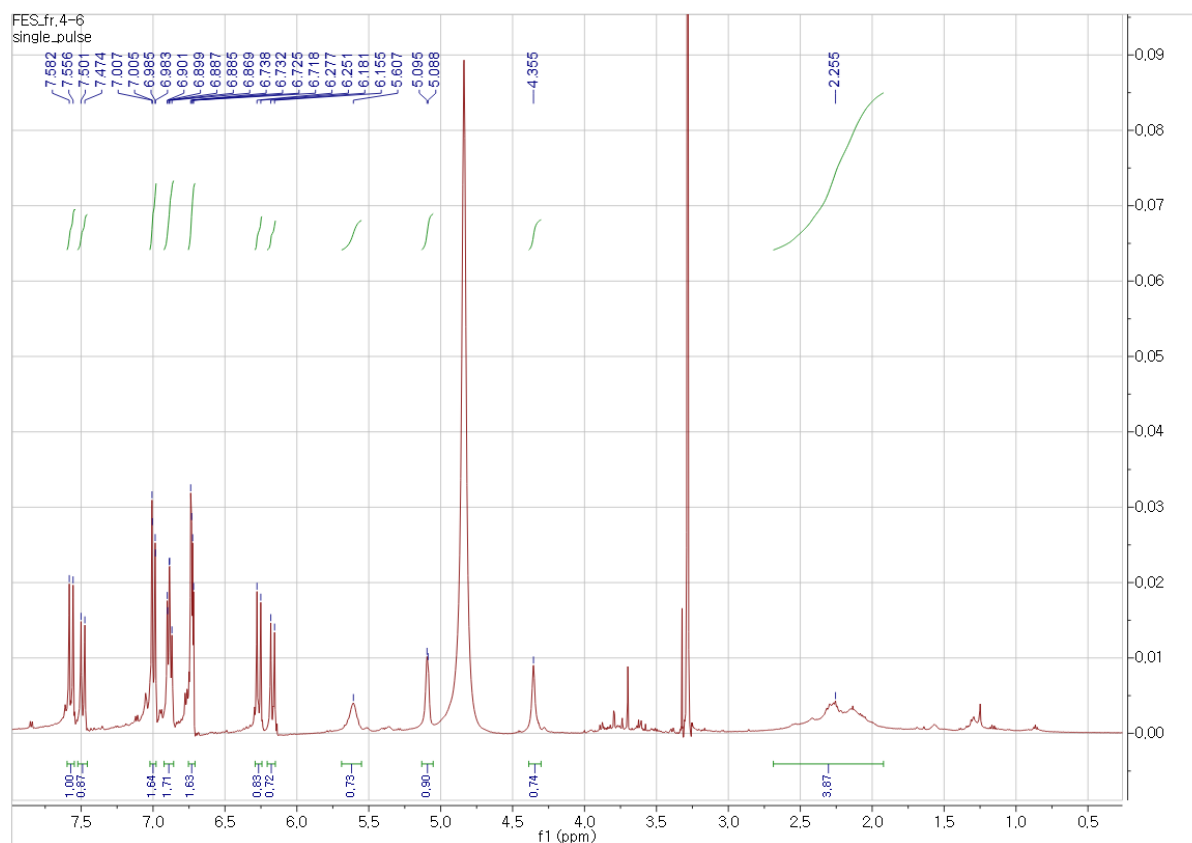


Figure S7-2: ^{13}C -NMR spectrum of compound **7** (600 MHz, CDCl_3)

48
49
50

Figure S8-1: ^1H -NMR spectrum of compound **8** (600 MHz, CDCl_3)

Figure S8-2: ^{13}C -NMR spectrum of compound **8** (150 MHz, CDCl_3)54
55
56

Figure S9-1: ^1H -NMR spectrum of compound **9** (600 MHz, $\text{CD}_3\text{OD}+\text{D}_2\text{O}$)

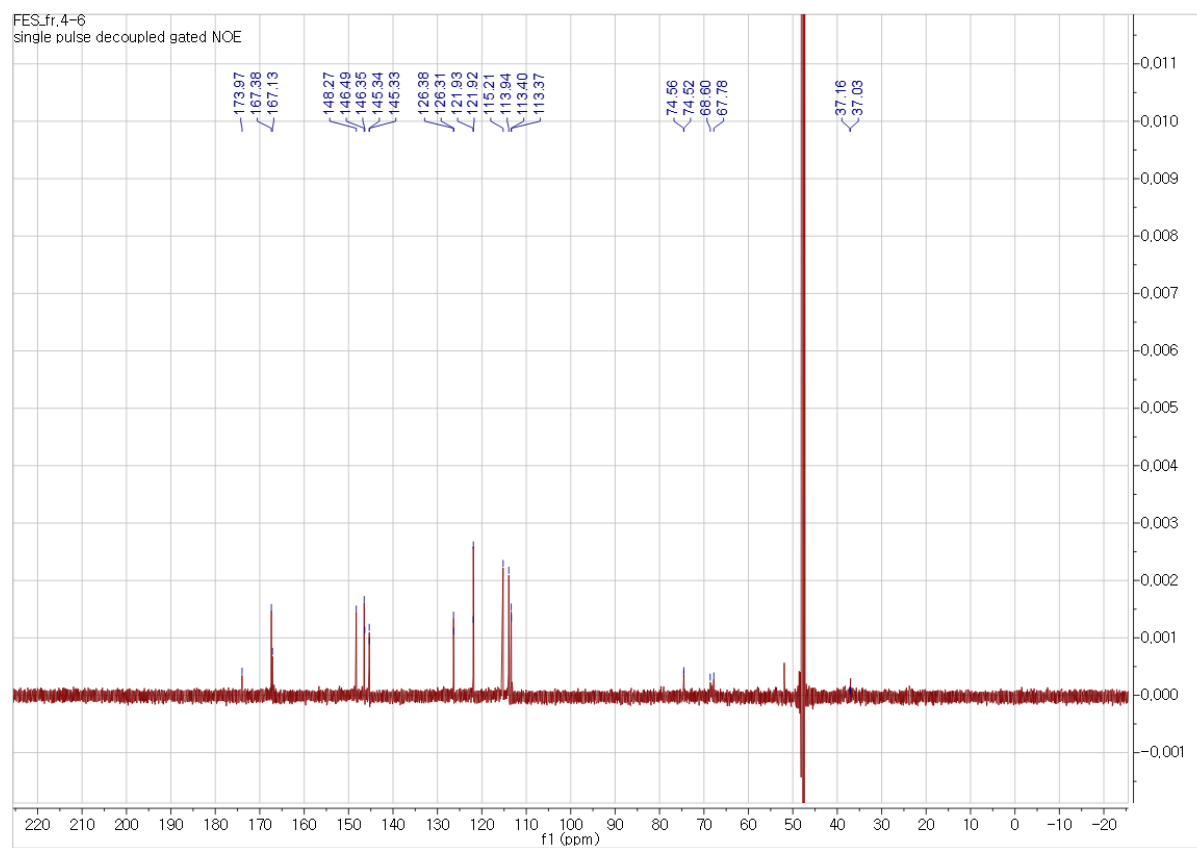
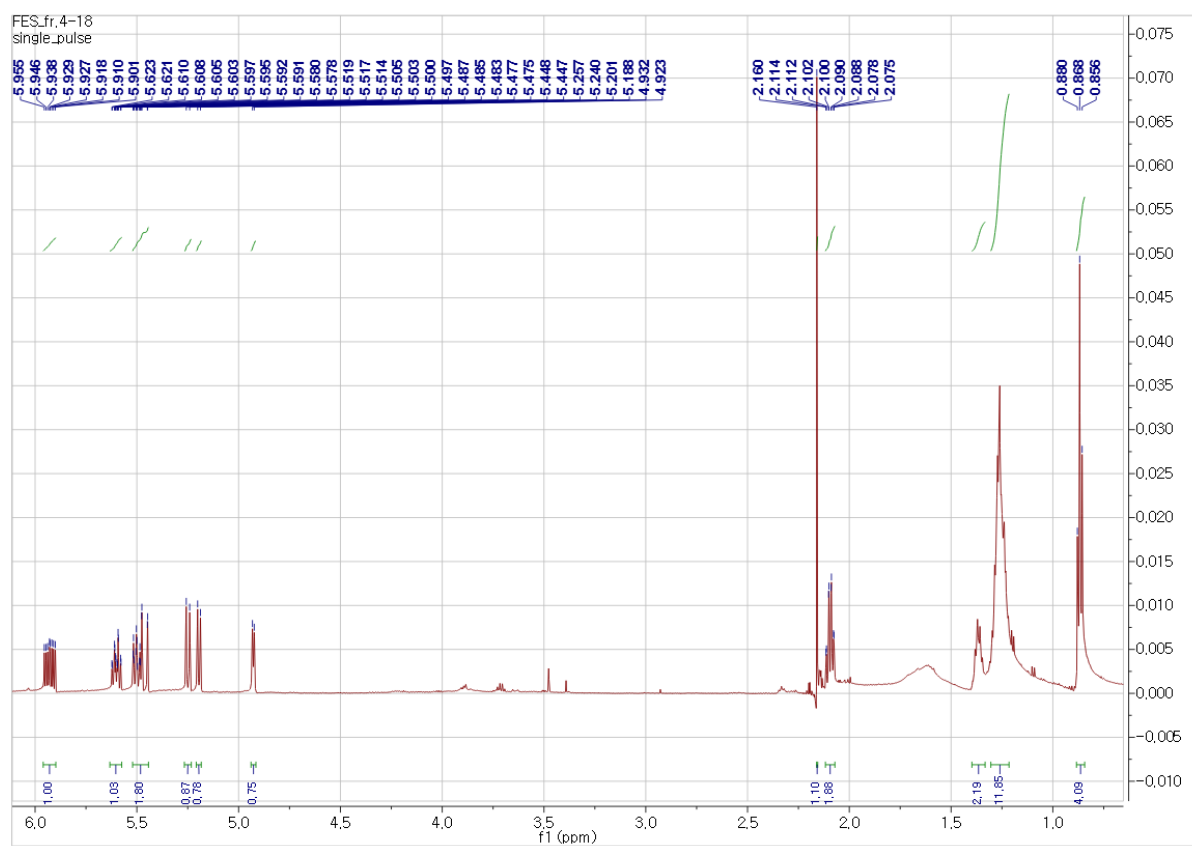
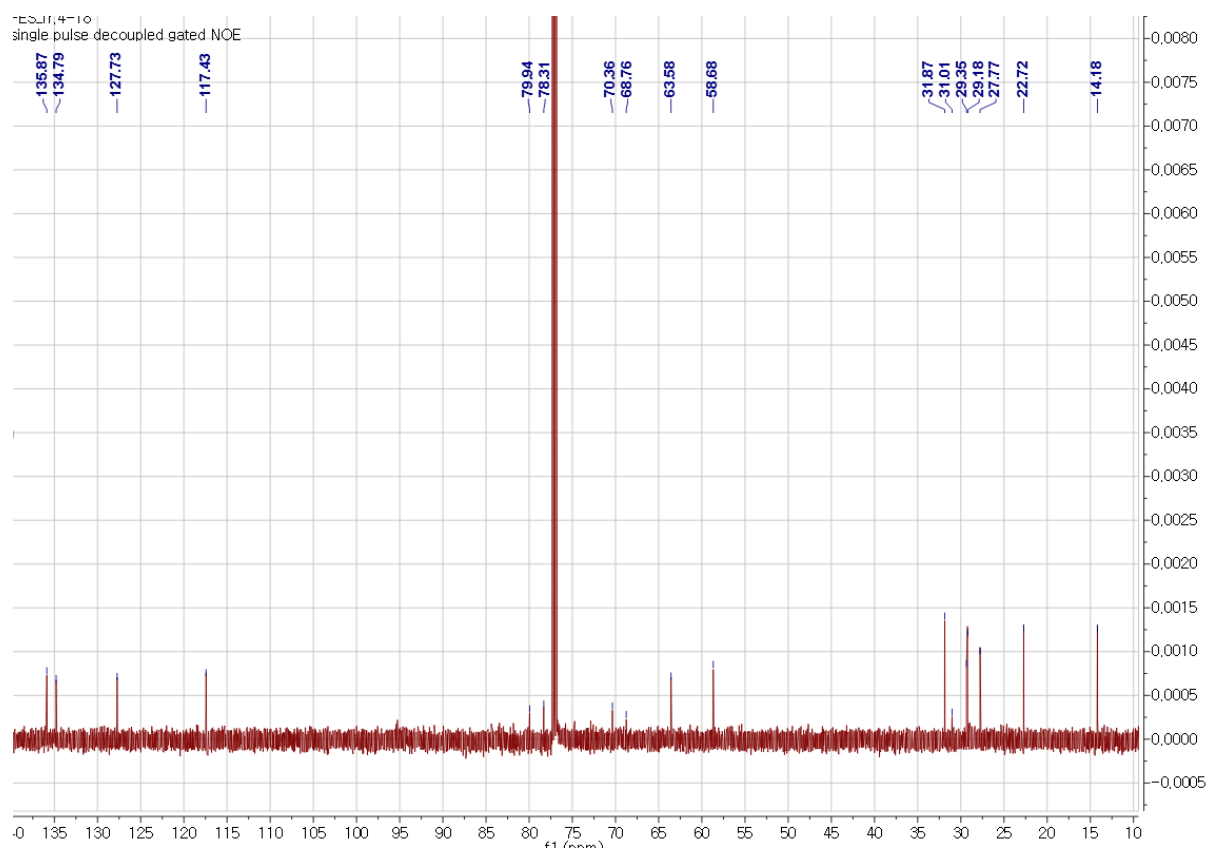


Figure S9-2: ^{13}C -NMR spectrum of compound **9** (150 MHz, $\text{CD}_3\text{OD}+\text{D}_2\text{O}$)

60
61
62

Figure S10-1: ^1H -NMR spectrum of compound **10** (600 MHz, CDCl_3)

Figure S10-2: ¹³C-NMR spectrum of compound **10** (150 MHz, CDCl₃)66
67