

Supplementary Materials

Anti-inflammatory effects of phenolic compounds isolated from *Quercus mongolica* L. on UVB-irradiated human skin cells

Jun YIN ^{1,†}, Han Hyuk KIM ^{1,†}, In Hyeok HWANG ¹, Dong Hee KIM ² and Min Won LEE ^{1,*}

¹ Department of Pharmacognosy and Natural product-derived Medicine, College of Pharmacy, Chung-Ang University, Seoul 156-756, Republic of Korea; Jun YIN (yinjuns89@naver.com), In Hyeok HWANG (grampus92@naver.com), Han Hyuk KIM (rlagksgr@hanmail.net); Min Won LEE (mwlee@cau.ac.kr)

² R&D Department Applied Product Development Team, Traditional Korean Medicine Technology Division, 94, Hwarang-ro(Gapje-dong), Gyeongsan-si, Gyeongsangbuk-do, 38540, Republic of Korea; Dong Hee KIM (kdh83618@naver.com)

* Correspondence: mwlee@cau.ac.kr; Tel.: +82-2-820-5602

S-1. ^1H -NMR spectrum of **1** (300 MHz, Acetone- d_6)

S-2. ^1H -NMR spectrum of **2** (300 MHz, DMSO- d_6)

S-3. ^1H -NMR spectrum of **3** (300 MHz, MeOH- d_4)

S-4. ^1H -NMR spectrum of **4** (300 MHz, MeOH- d_4)

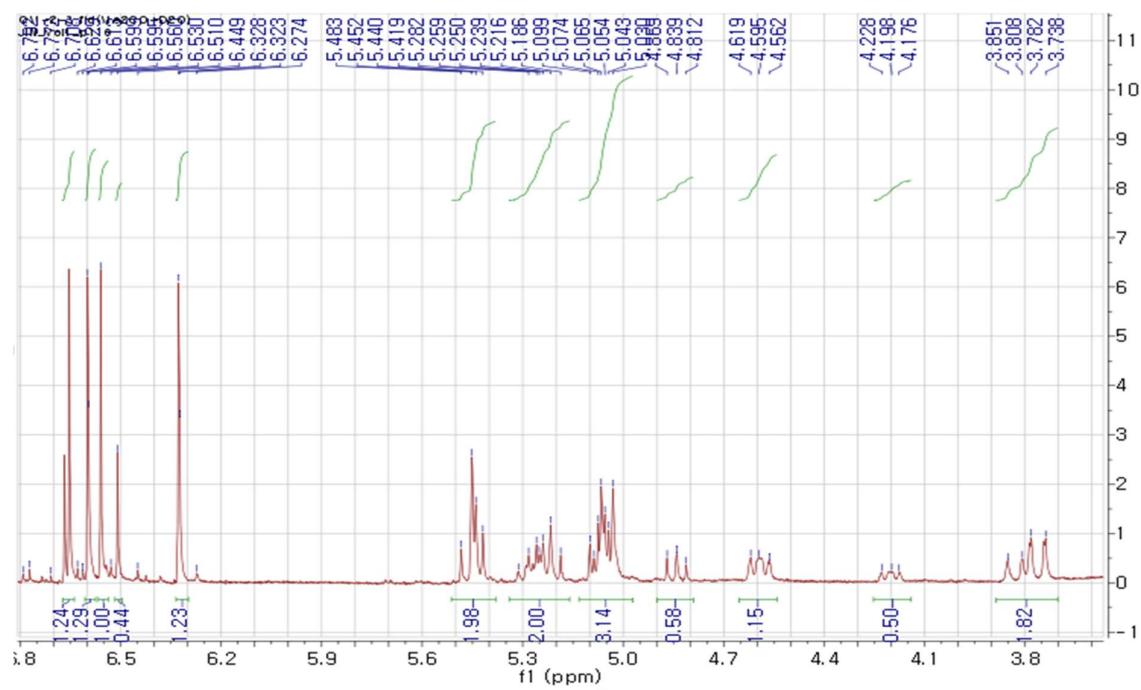
S-5. ^{13}C -NMR spectrum of **4** (75 MHz, MeOH- d_4)

S-6. ^1H -NMR spectrum of **5** (300 MHz, MeOH- d_4)

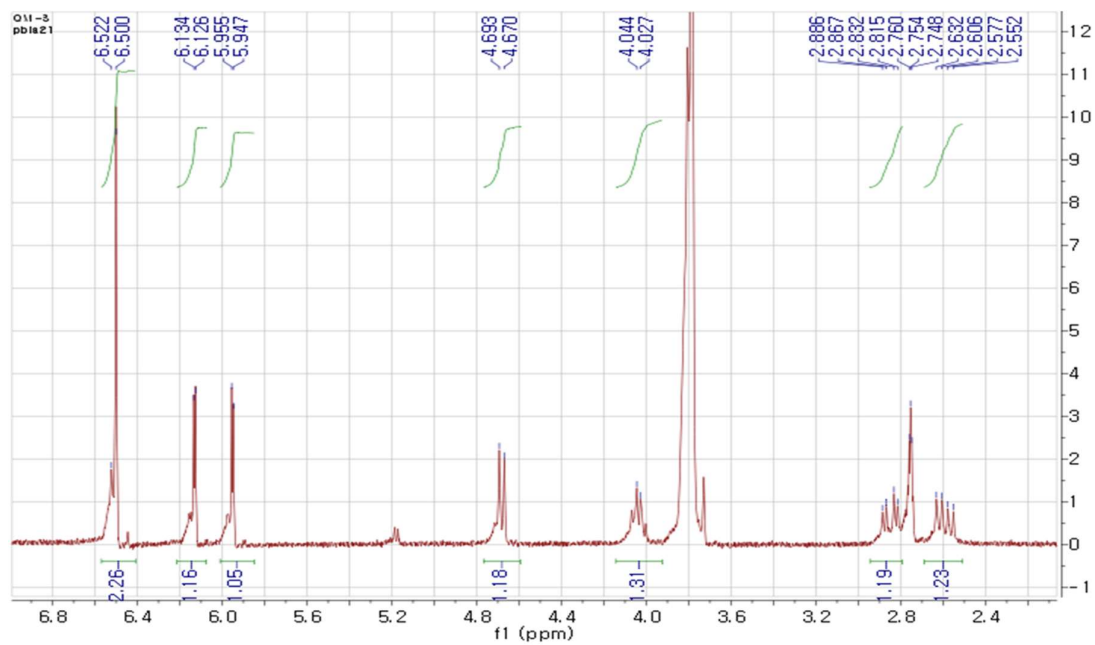
S-7. ^{13}C -NMR spectrum of **5** (75 MHz, MeOH- d_4)

S-8. ^1H -NMR spectrum of **6** (300 MHz, DMSO- d_6)

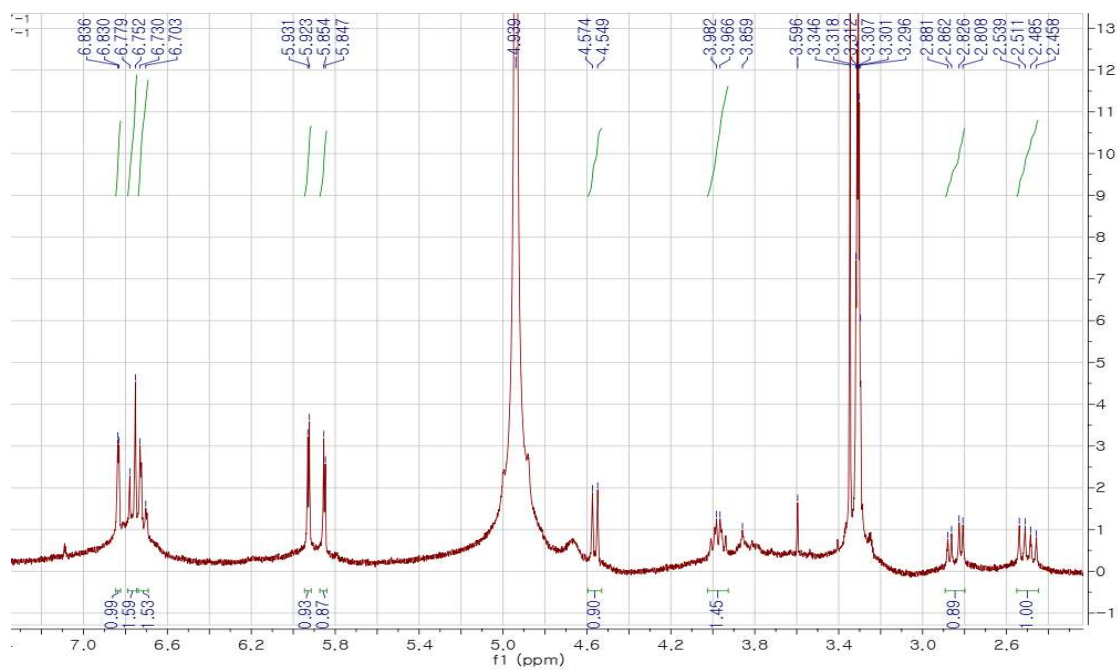
S-9. ^{13}C -NMR spectrum of **6** (75 MHz, DMSO- d_6)



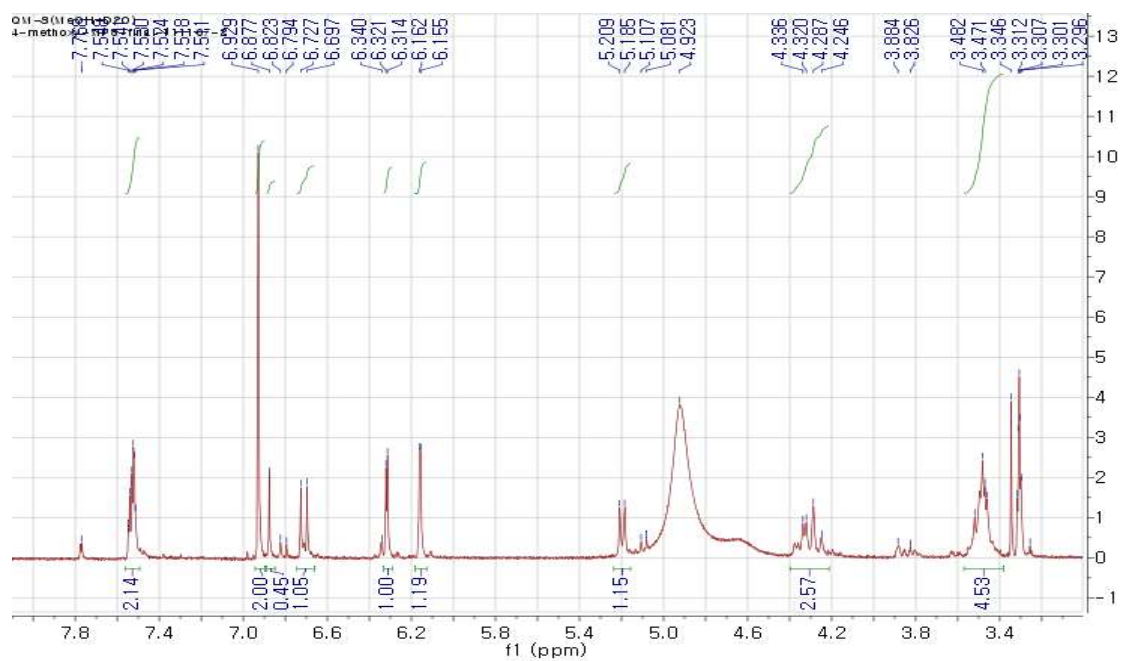
S-1. ¹H-NMR spectrum of compound **1** (300 MHz, Acetone-d₆)



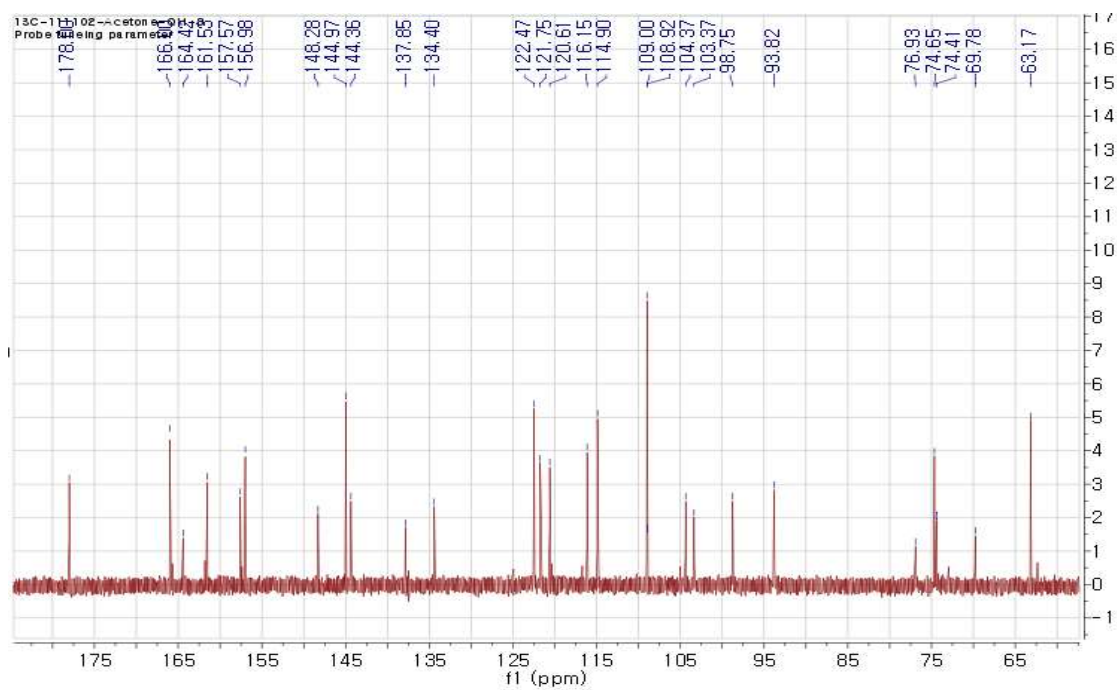
S-2. ¹H-NMR spectrum of compound **2** (300 MHz, DMSO-d₆)



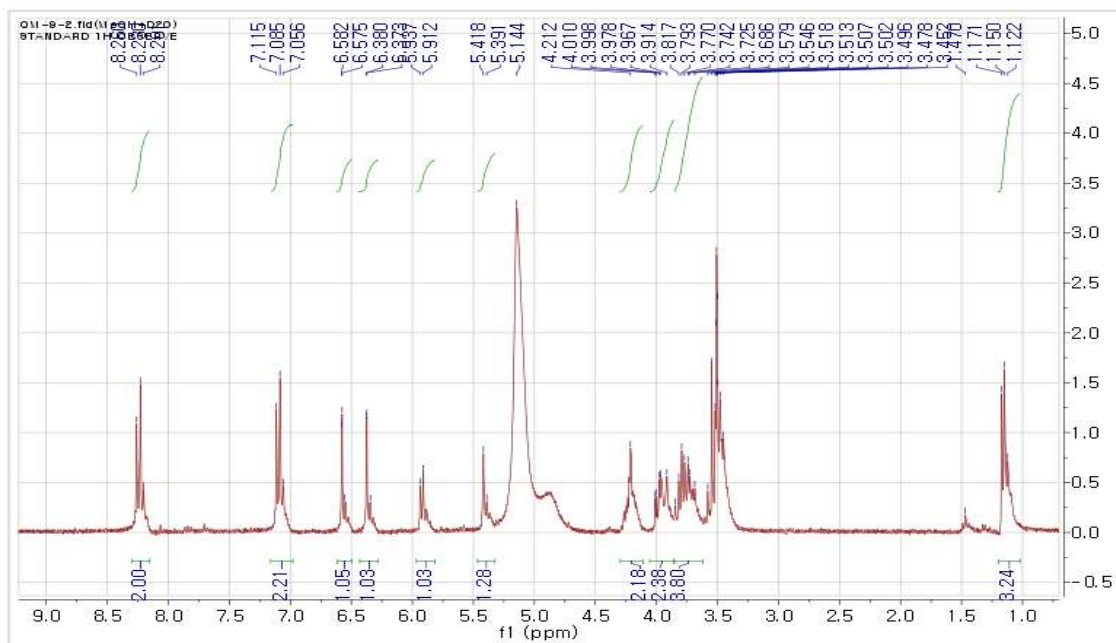
S-3. ¹H-NMR spectrum of compound 3 (300 MHz, CD₃OD)



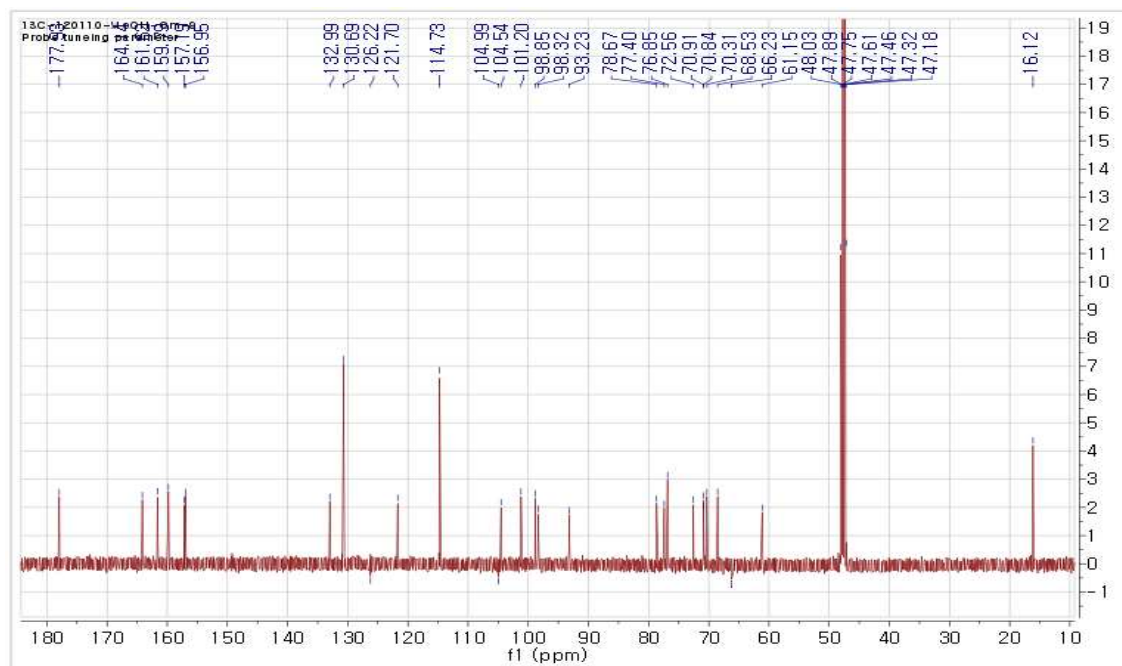
S-4. ^1H -NMR spectrum of compound **4** (300 MHz, CD_3OD)



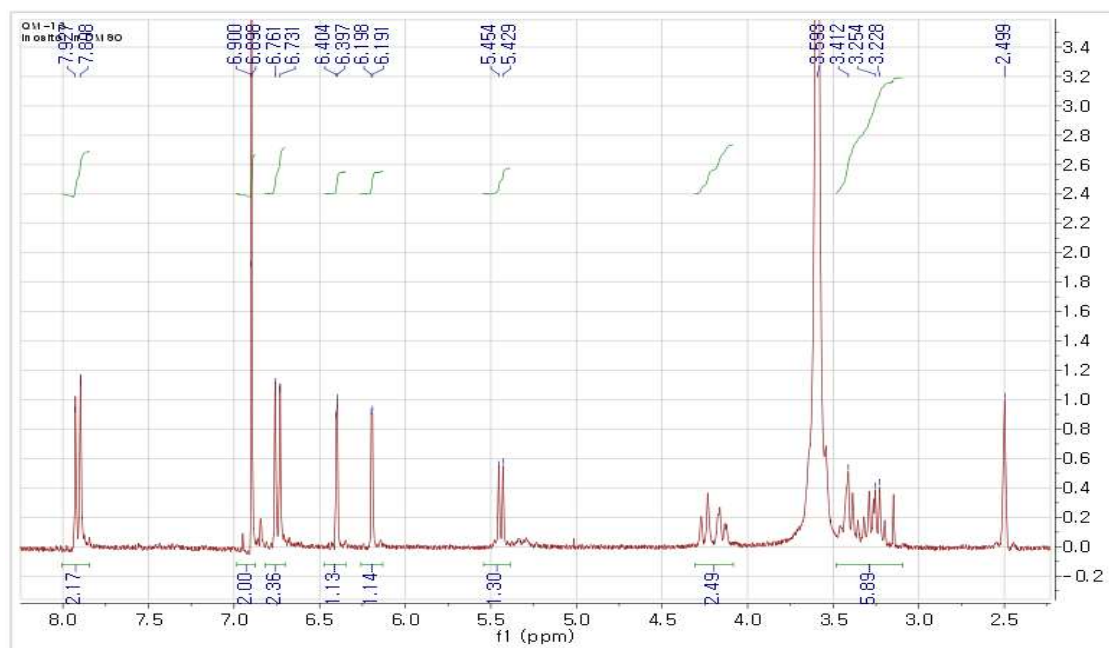
S-5. ^{13}C -NMR spectrum of compound **4** (75 MHz, CD_3OD)



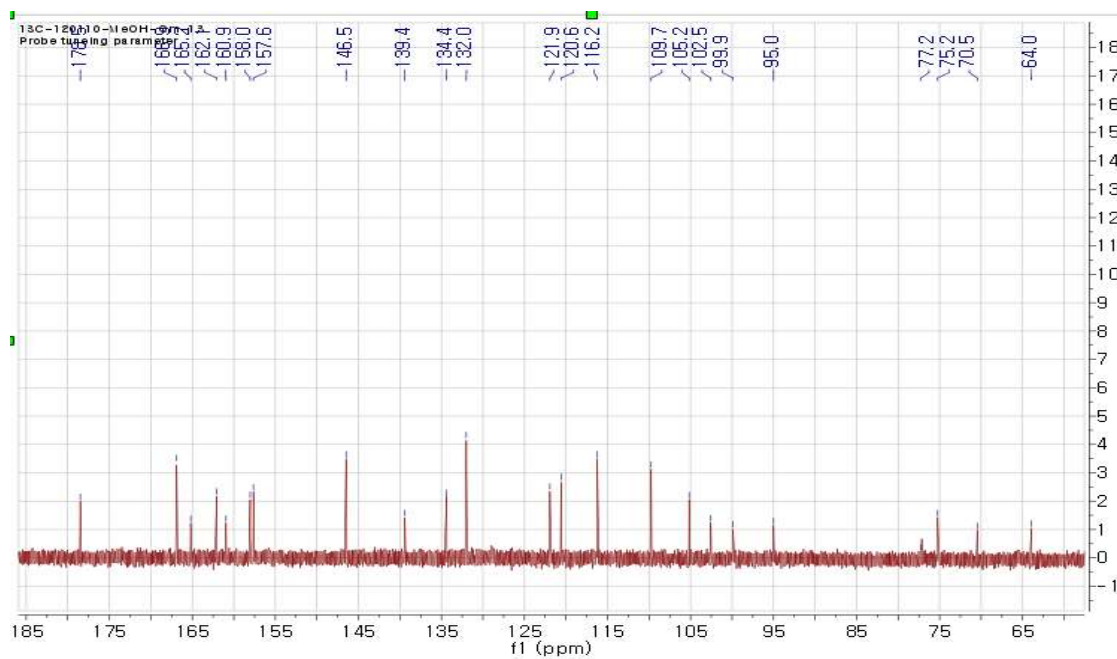
S-6. ^1H -NMR spectrum of compound **5** (300 MHz, CD_3OD)



S-7. ¹³C-NMR spectrum of compound 5 (75 MHz, CD₃OD)



S-8. ¹H-NMR spectrum of compound **6** (300 MHz, DMSO-d₆)



S-9. ¹³C-NMR spectrum of compound 6 (75 MHz, DMSO-d₆)