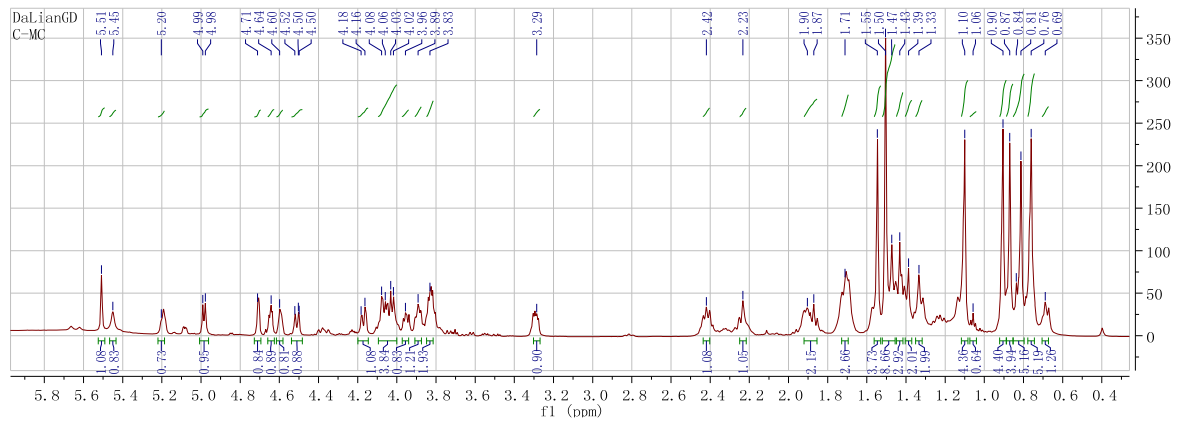


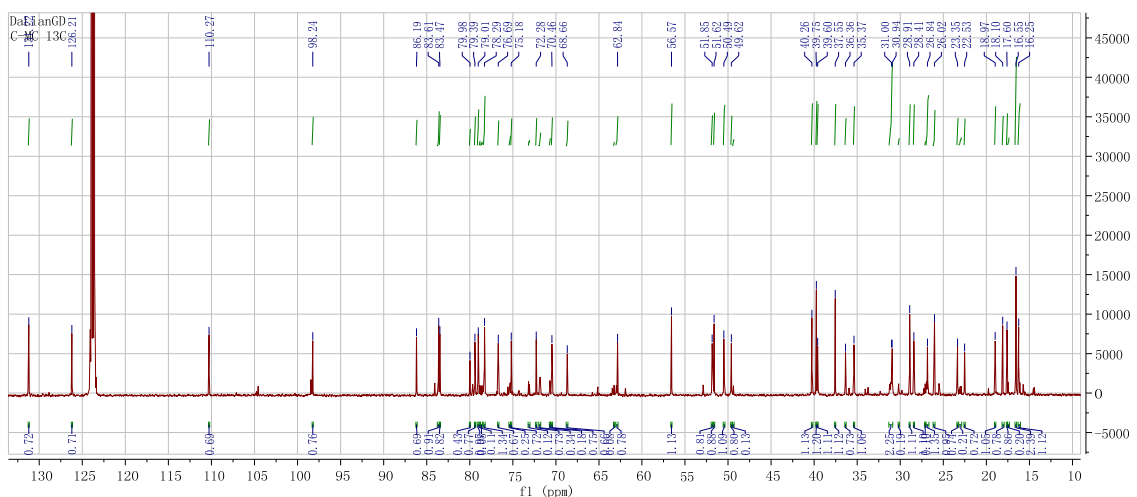
Additional information of enzyme reaction products

ginsenoside C-Mc, C-Y, F2 and C-K structure

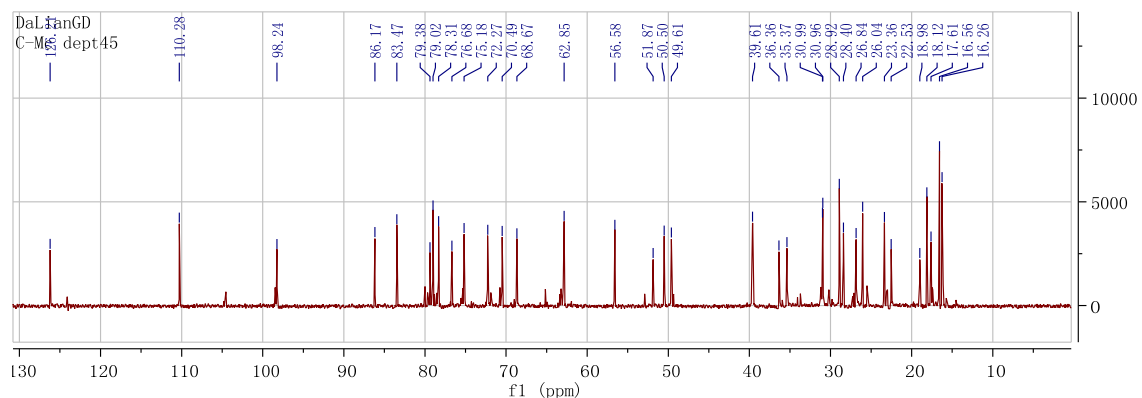
1. ^1H and ^{13}C NMR spectrums of ginsenoside C-Mc



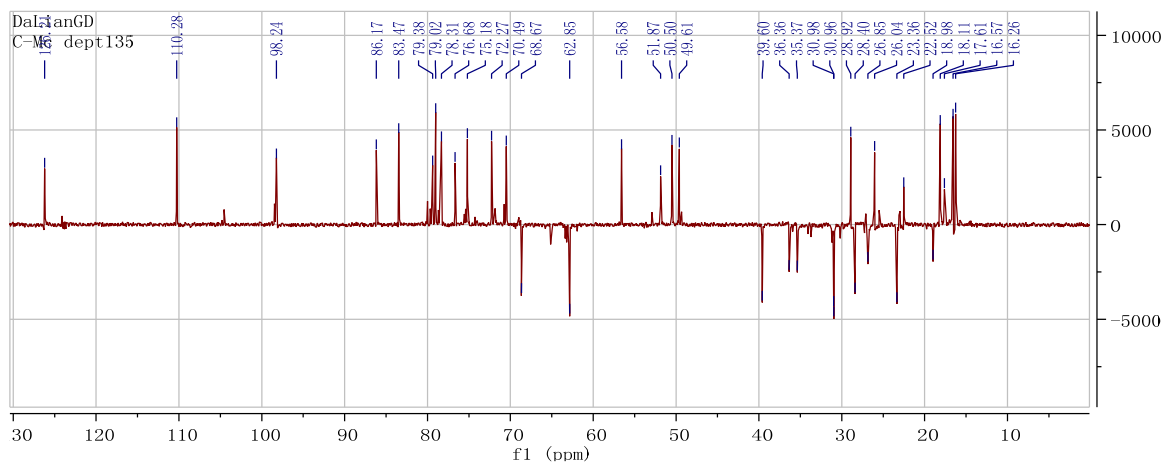
S. 1-1. ^1H NMR (600 MHz, CD_3OD) spectrum of ginsenoside C-Mc



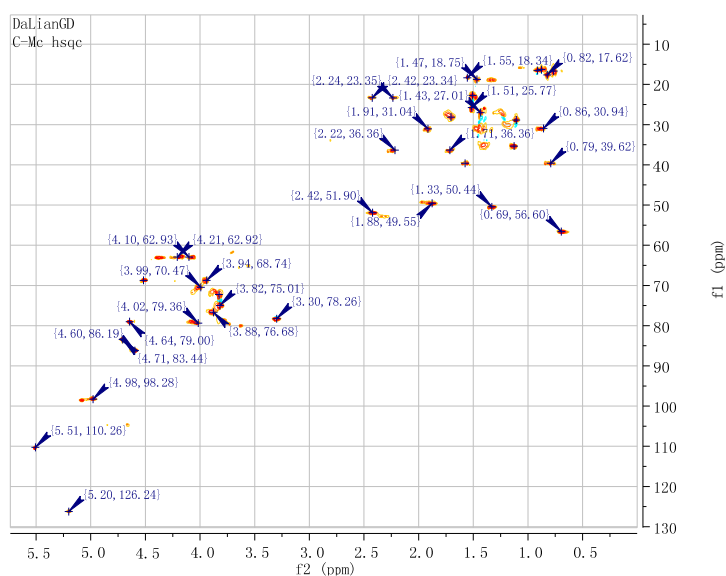
S.1-2. ^{13}C NMR (150 MHz, CD_3OD) spectrum of ginsenoside C-Mc



S. 1-3. ^{13}C DEPT 45 NMR spectrum of ginsenoside C-Mc

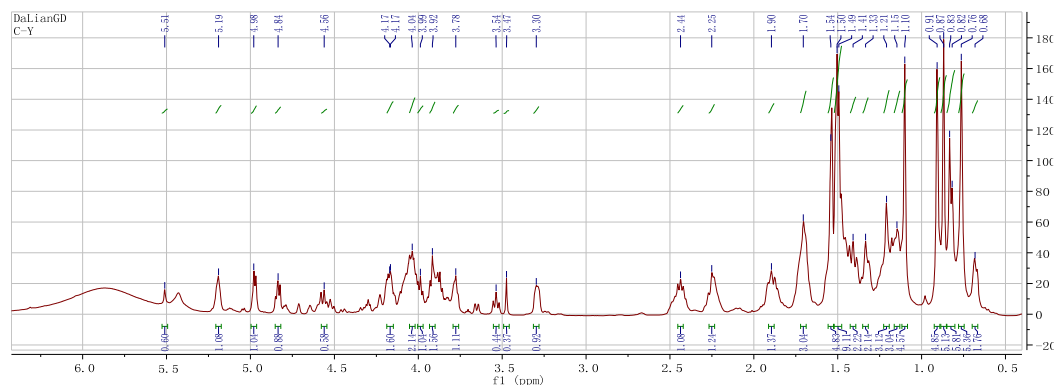


S. 1-4. ^{13}C DEPT 135 NMR spectrum of ginsenoside C-Mc

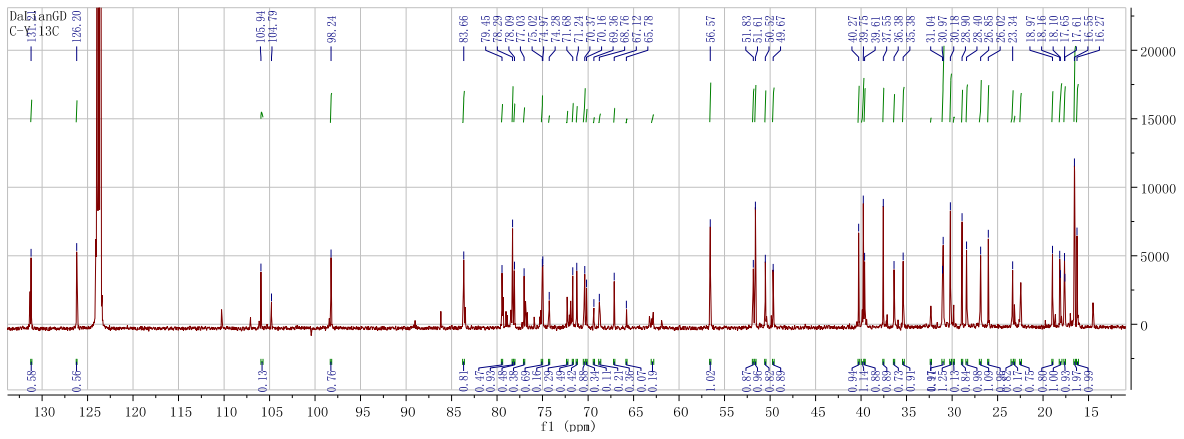


S. 1-5. ^1H - ^{13}C HSQC spectrum of ginsenoside C-Mc

2. ^1H and ^{13}C NMR spectra of ginsenoside C-Y

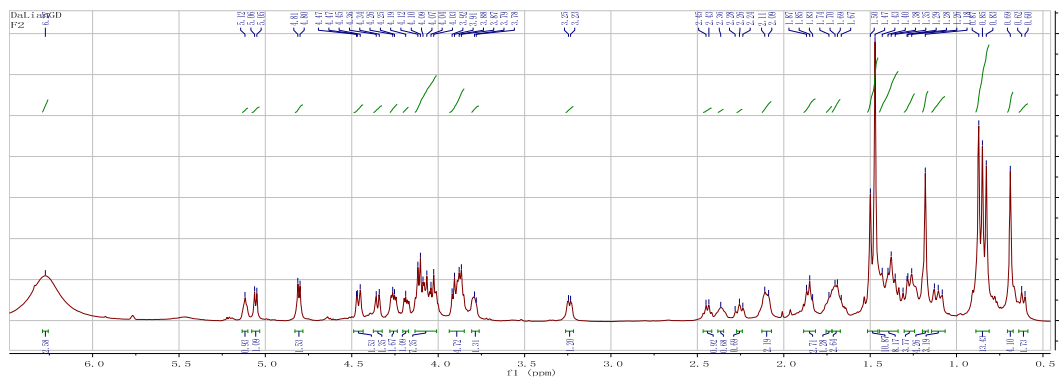


S. 2-1. ^1H NMR (600 MHz, CD_3OD) spectrum of ginsenoside C-Y

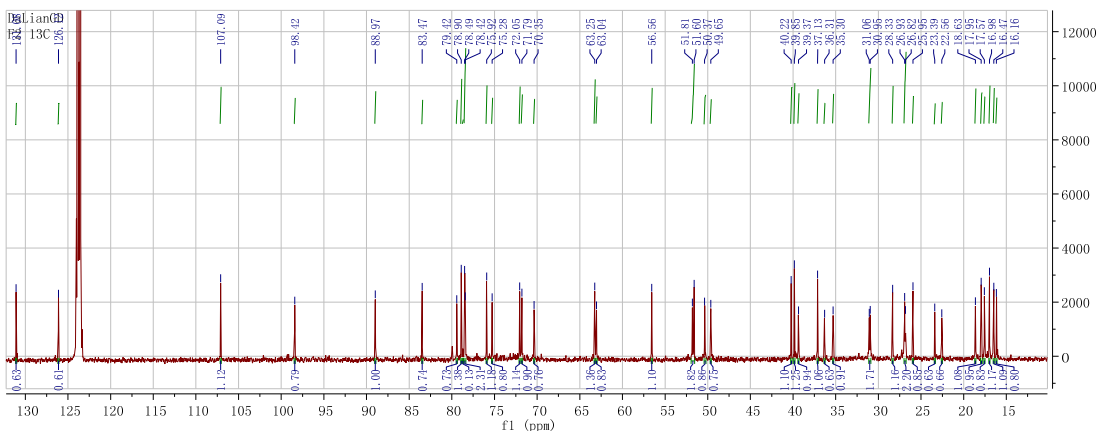


S. 2-2. ^{13}C NMR (150 MHz, CD_3OD) spectrum of ginsenoside C-Y

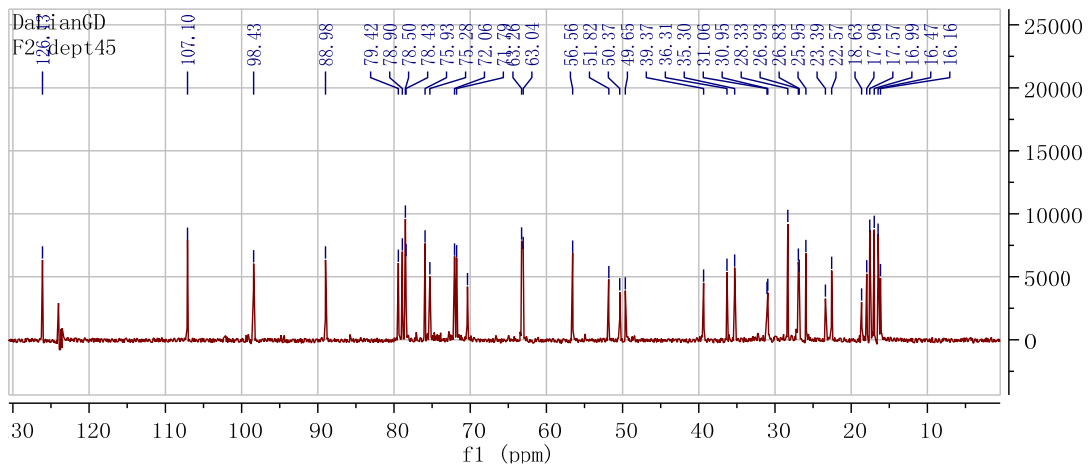
3. ^1H and ^{13}C NMR spectrums of ginsenoside F2



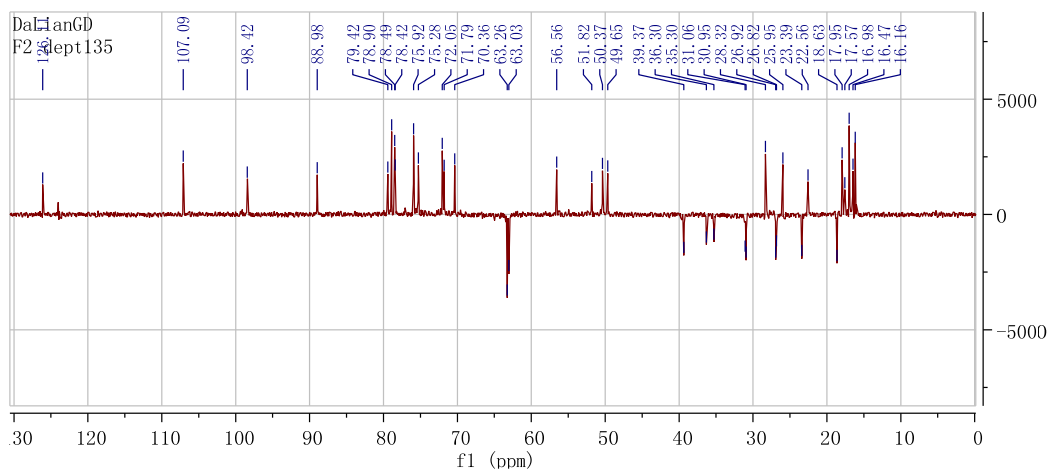
S. 3-1. ^1H NMR (600 MHz, CD_3OD) spectrum of ginsenoside F2



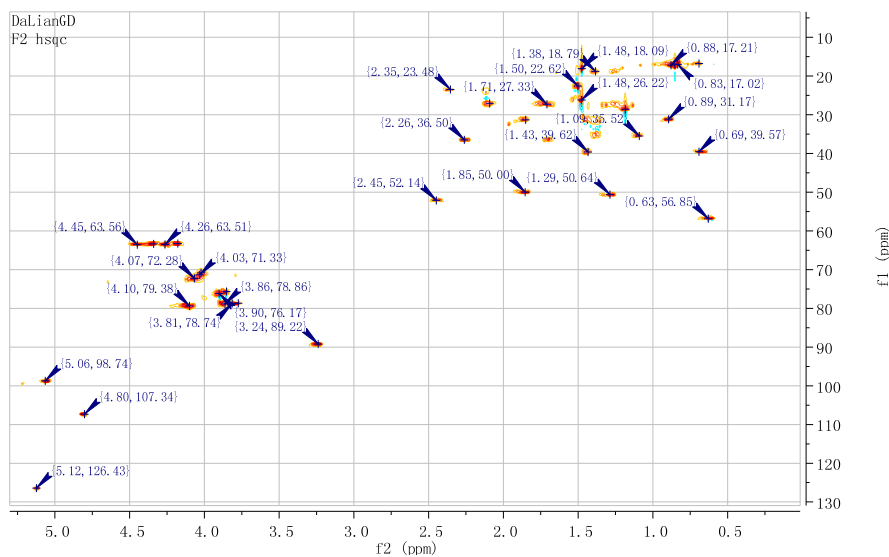
S. 3-2. ^{13}C NMR (150 MHz, CD_3OD) spectrum of ginsenoside F2



S. 3-3. ^{13}C DEPT 45 NMR spectrum of ginsenoside F2

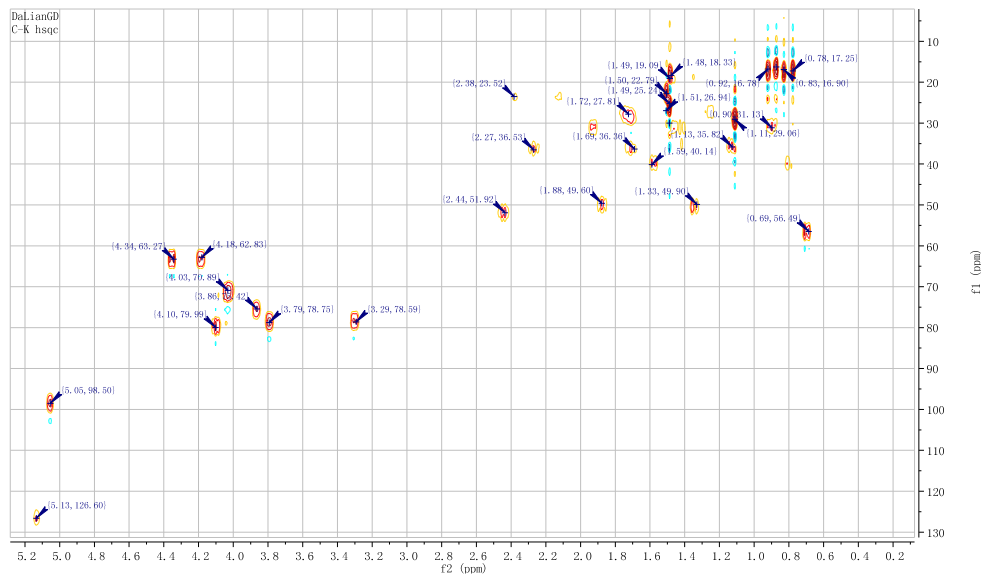


S. 3-4. ^{13}C DEPT 135 NMR spectrum of ginsenoside F2



S. 3-5. ^1H - ^{13}C HSQC spectrum of ginsenoside F2

4. ^1H and ^{13}C NMR spectra of ginsenoside C-K



S. 4-5. ^1H - ^{13}C HSQC spectrum of ginsenoside C-K