UV-Guided Isolation of Polyynes and Polyenes from the Roots of *Codonopsis pilosula*†

Chih-Hua Chao,[ab] Shin-Hun Juang,[ac] Hsiu-Hui Chan,[d] De-Yang Shen,[d] Yu-Ren Liao,[d] Hung-Cheng Shih,[d] Chieh-Hung Huang,[d] Ju-Chien Cheng[e] and Tian-Shung Wu[*fg]

[a] *School of Pharmacy, China Medical University, Taichung 404*

[b] *Chinese Medicine Research and Development Center, China Medical University Hospital, Taichung 404, Taiwan*

[c] *Department of Medical Research, China Medical University Hospital, Taichung 404, Taiwan*

[d] *Department of Chemistry, National Cheng Kung University, Tainan 701, Taiwan*

[e] *Department of Medical Laboratory Science and Biotechnology, China Medical University, Taichung 404, Taiwan*

[f] *School of Pharmacy, National Cheng Kung University, Tainan 701 , Taiwan. E-mail: tswu@mail.ncku.edu.tw; Fax: +886-6-2740552; Tel: +886-6-2757575 ext.65333*

[g] *Department of Pharmacy and Graduate Institute of Pharmaceutical Technology, Tajen University, Pingtung 907, Taiwan*

For compound 1:

Figure S1-1. ^{1}H NMR spectrum (500 MHz) of compound **1** in CD_3OD.

Figure S1-2. ^{13}C NMR spectrum (125 MHz) of compound **1** in CD_3OD.

For compound 2:

Figure S2-1. ^{1}H NMR spectrum (400 MHz) of compound **2** in CD_3OD.

Figure S2-2. ^{13}C NMR spectrum (100 MHz) of compound **2** in CD_3OD.

For compound 3:

Figure S3-1. ^{1}H NMR spectrum (300 MHz) of compound **3** in CD_3OD.

Figure S3-2. ^{13}C NMR spectrum (75 MHz) of compound **3** in CD_3OD.

For compound 4:

Figure S4-1. ^{1}H NMR spectrum (400 MHz) of compound **4** in CD_3OD.

Figure S4-2. ^{13}C NMR spectrum (100 MHz) of compound **4** in CD_3OD.

For compound 5:

Figure S5-1. ^{1}H NMR spectrum (400 MHz) of compound **5** in CD_3OD.

Figure S5-2. ^{13}C NMR spectrum (100 MHz) of compound **5** in CD_3OD.

For compound 6:

Figure S6-1. ^{1}H NMR spectrum (500 MHz) of compound **6** in CD_3OD.

Figure S6-2. ^{13}C NMR spectrum (125 MHz) of compound **6** in CD_3OD.

For compound 7:

Figure S7-1. ^{1}H NMR spectrum (400 MHz) of compound **7** in CD_3OD.

Figure S7-2. ^{13}C NMR spectrum (100 MHz) of compound **7** in CD_3OD.

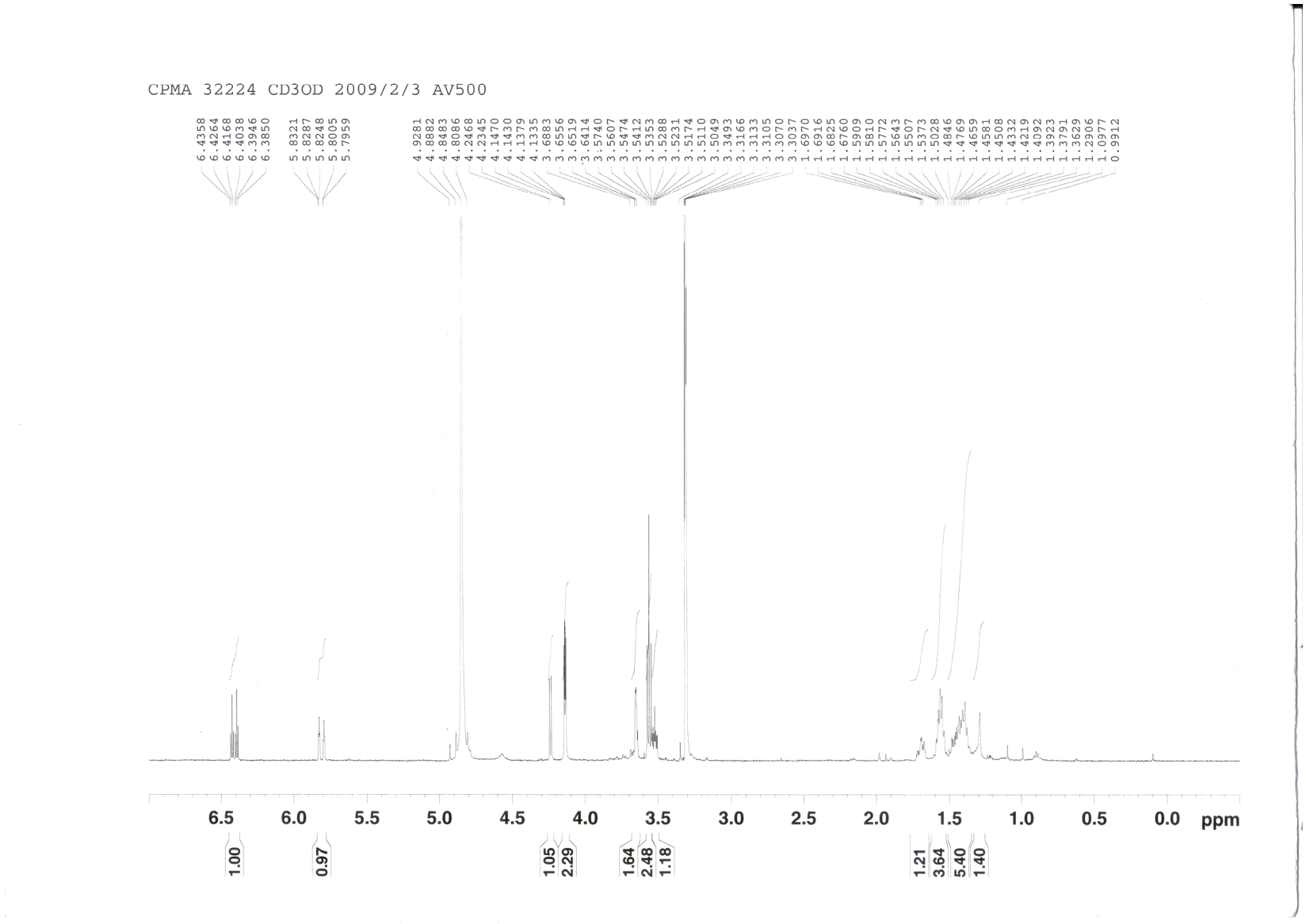

Figure S1-1. ^{1}H NMR spectrum (500 MHz) of compound **1** in CD_3OD.

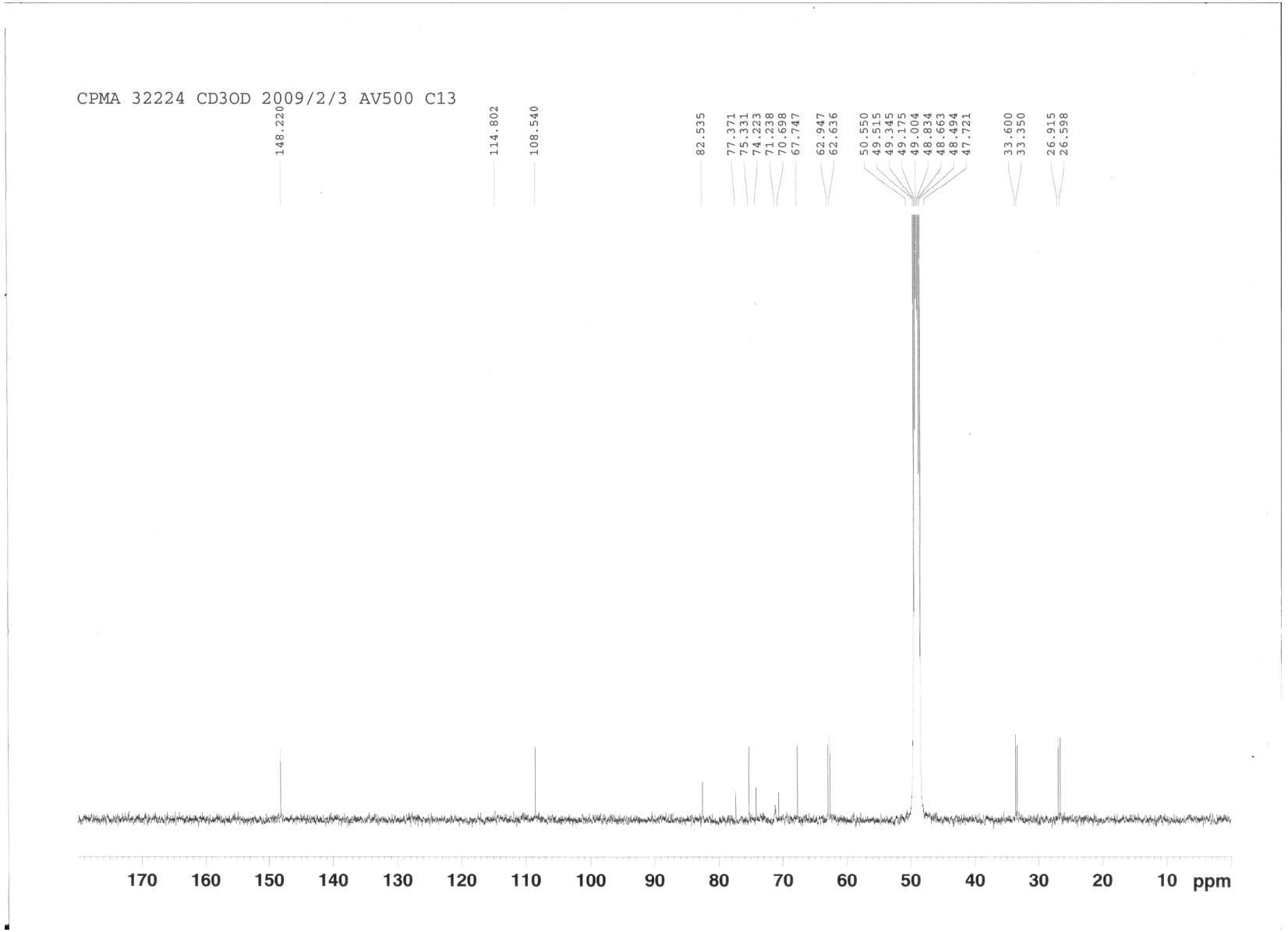

Figure S1-2. ^{13}C NMR spectrum (125 MHz) of compound **1** in CD_3OD.

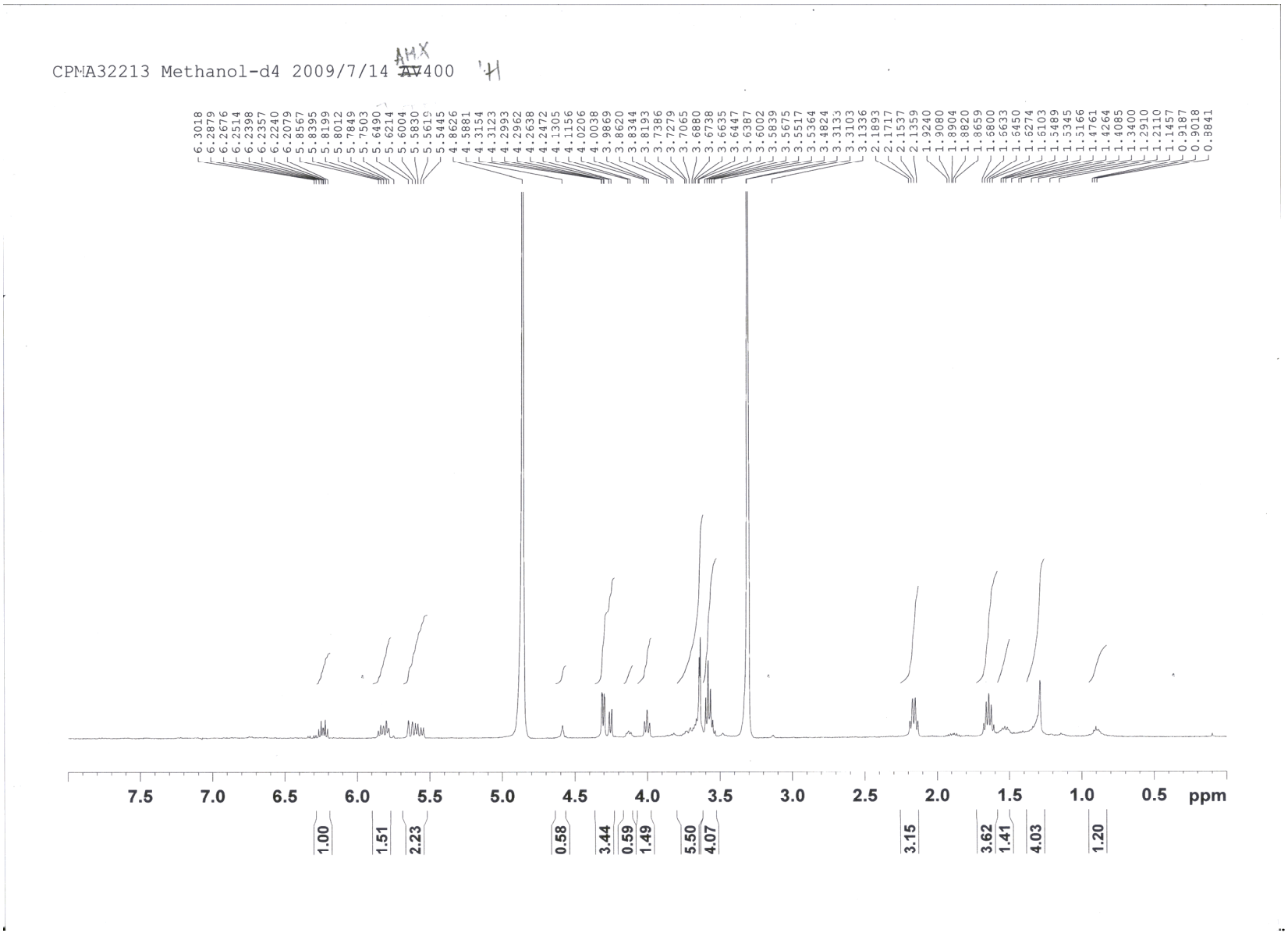

Figure S2-1. ^{1}H NMR spectrum (400 MHz) of compound **2** in CD_3OD.

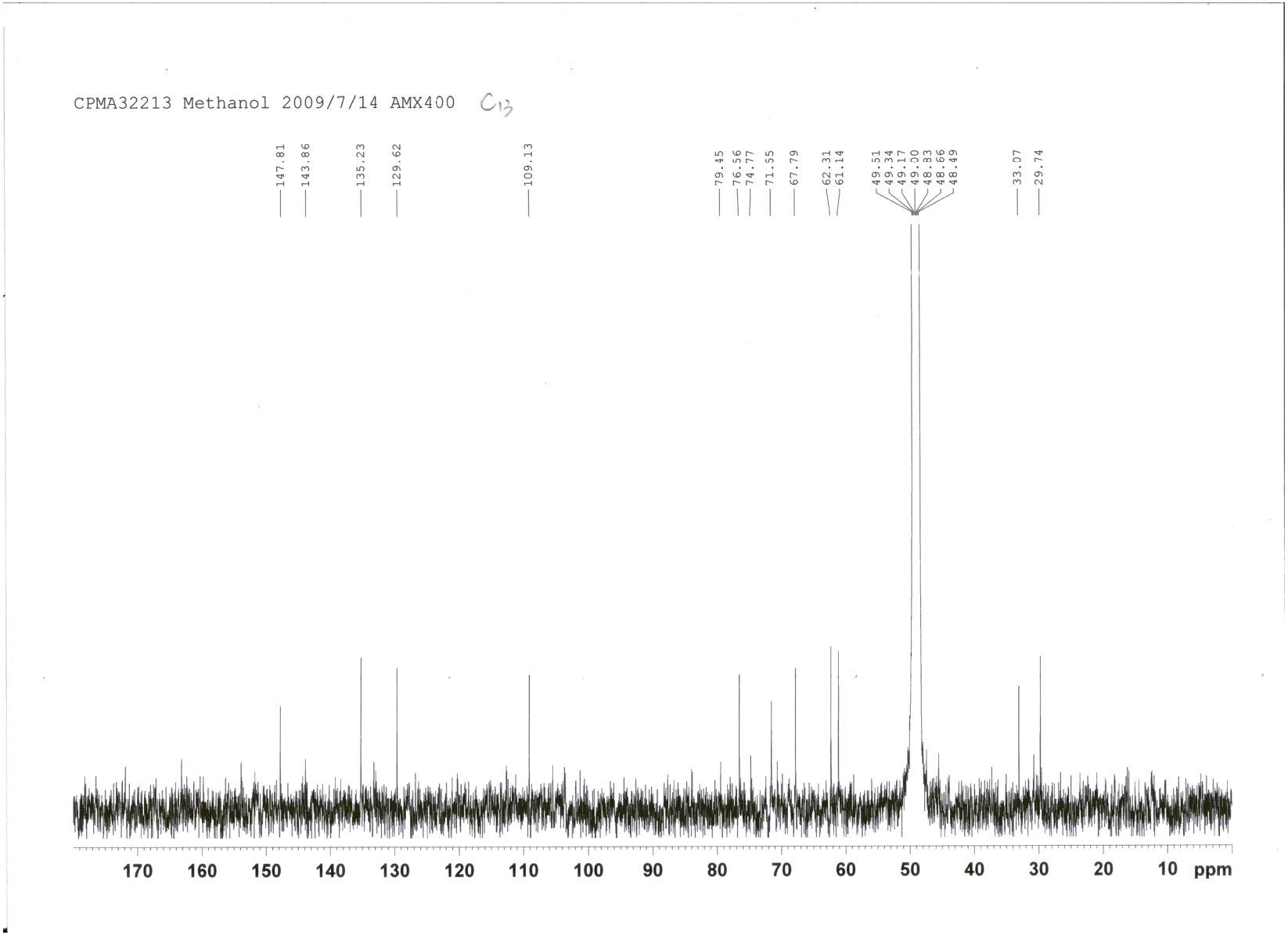

Figure S2-2. ^{13}C NMR spectrum (100 MHz) of compound **2** in CD_3OD.

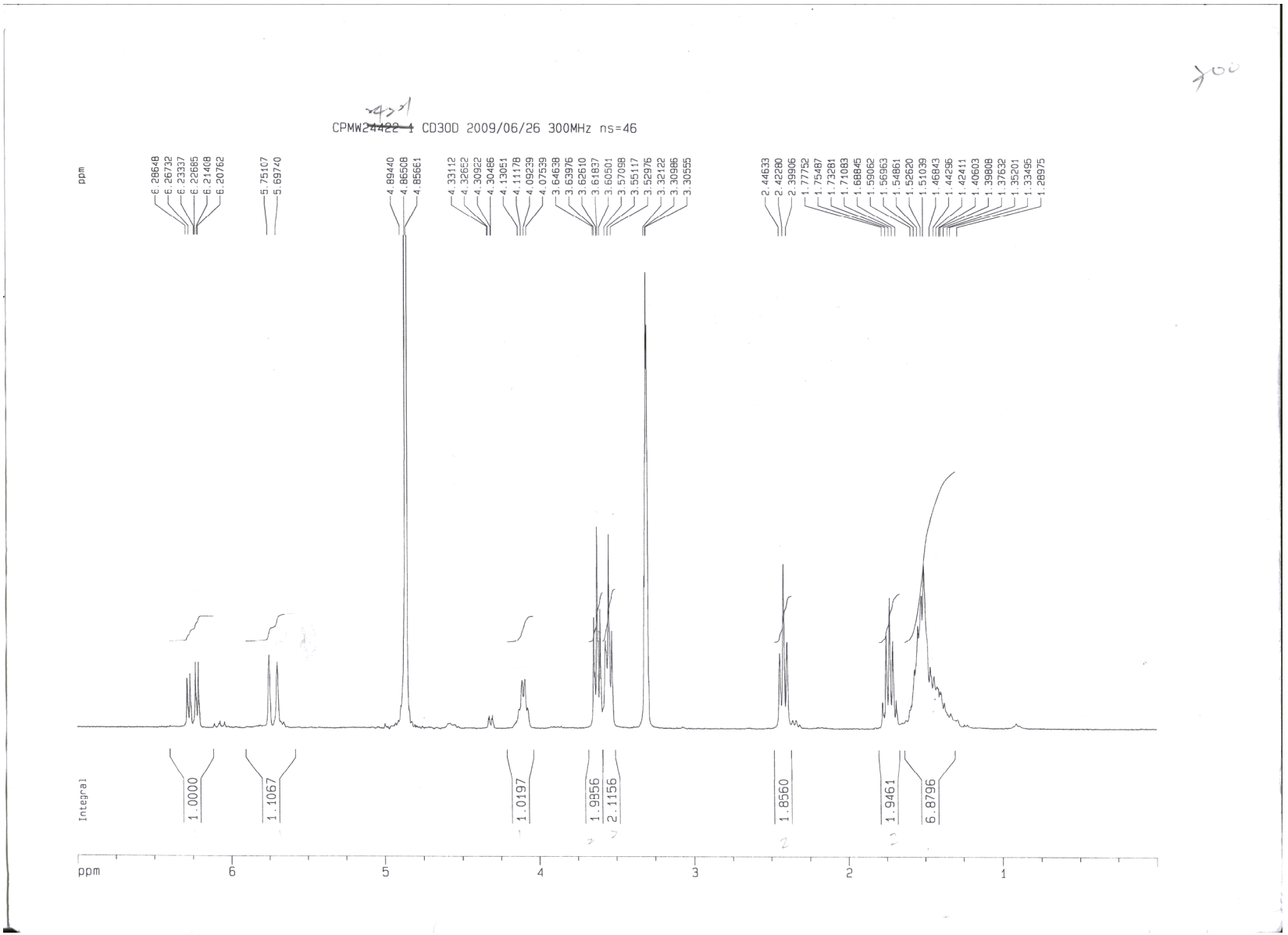

Figure S3-1. ^{1}H NMR spectrum (300 MHz) of compound **3** in CD_3OD.

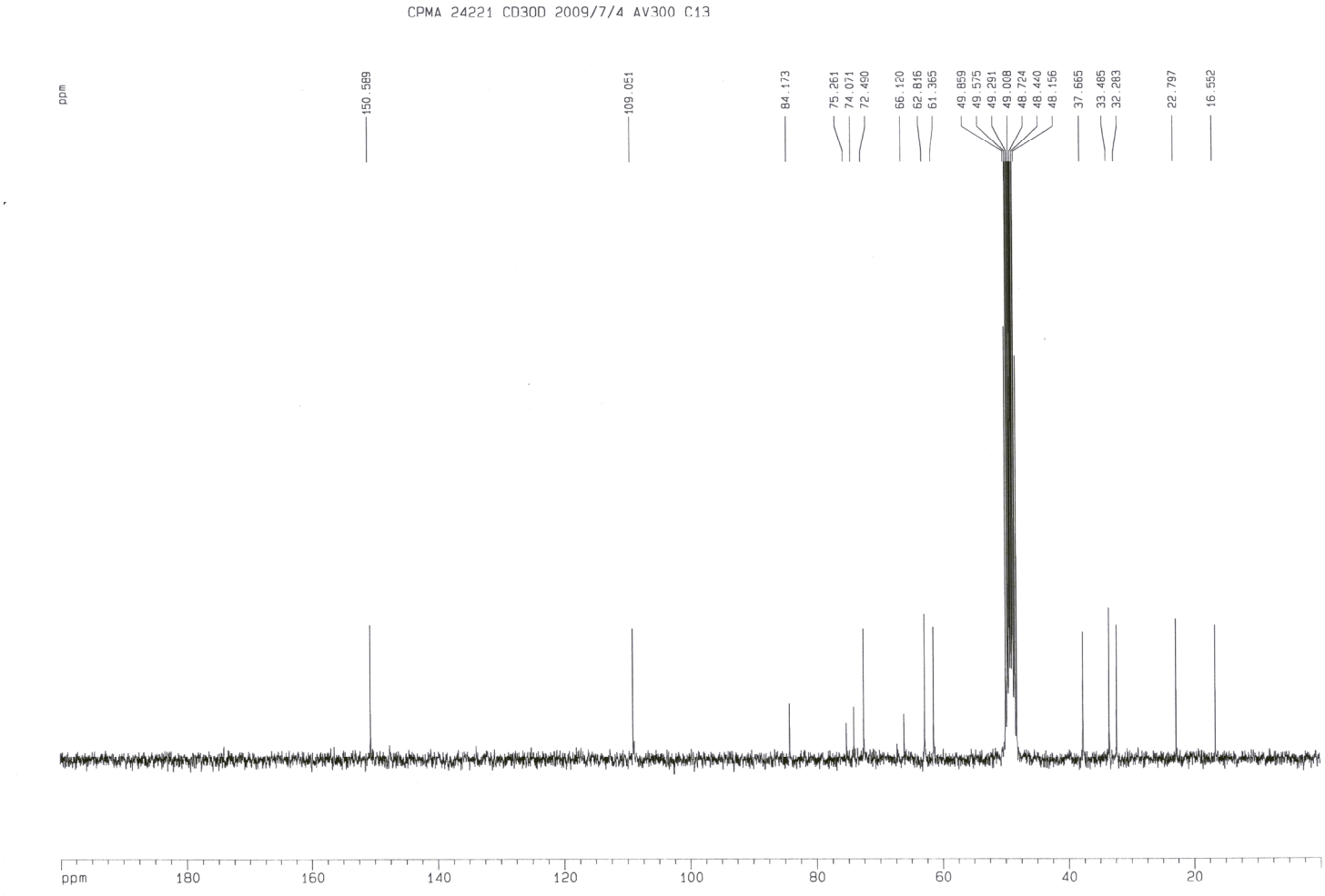

Figure S3-2. ^{13}C NMR spectrum (75 MHz) of compound **3** in CD_3OD.

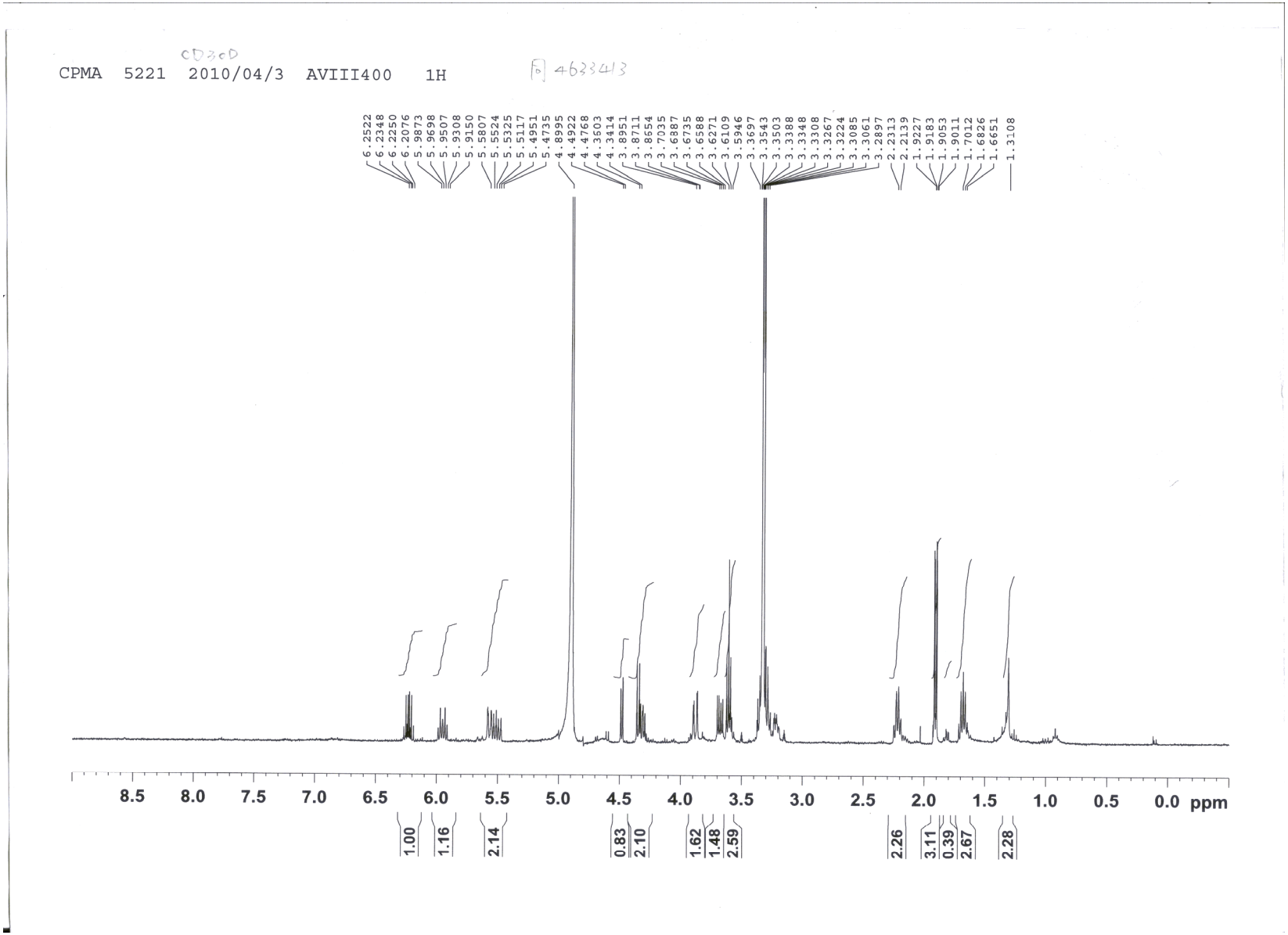

Figure S4-1. ^{1}H NMR spectrum (400 MHz) of compound **4** in CD_3OD.

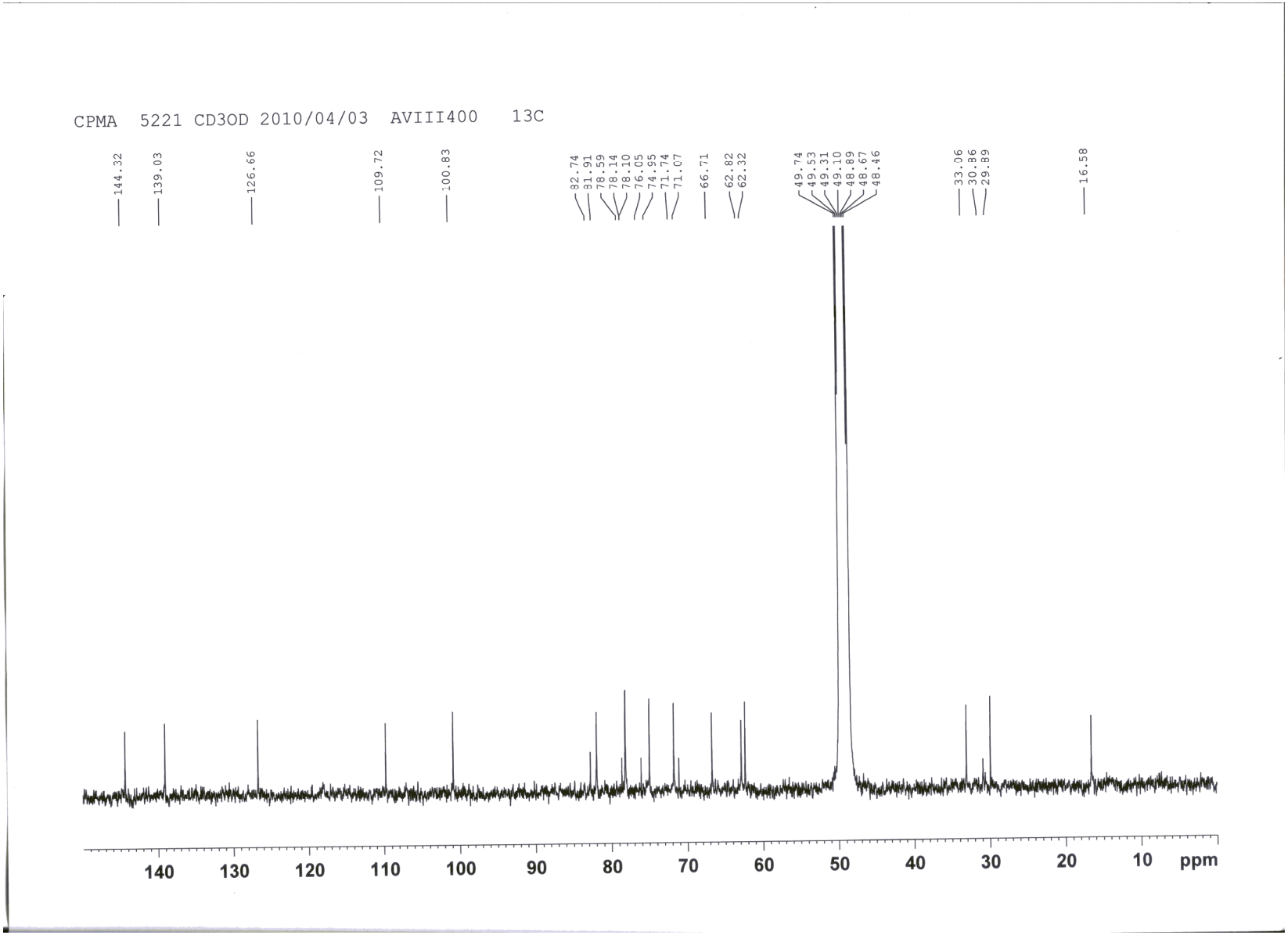

Figure S4-2. ^{13}C NMR spectrum (100 MHz) of compound **4** in CD_3OD.

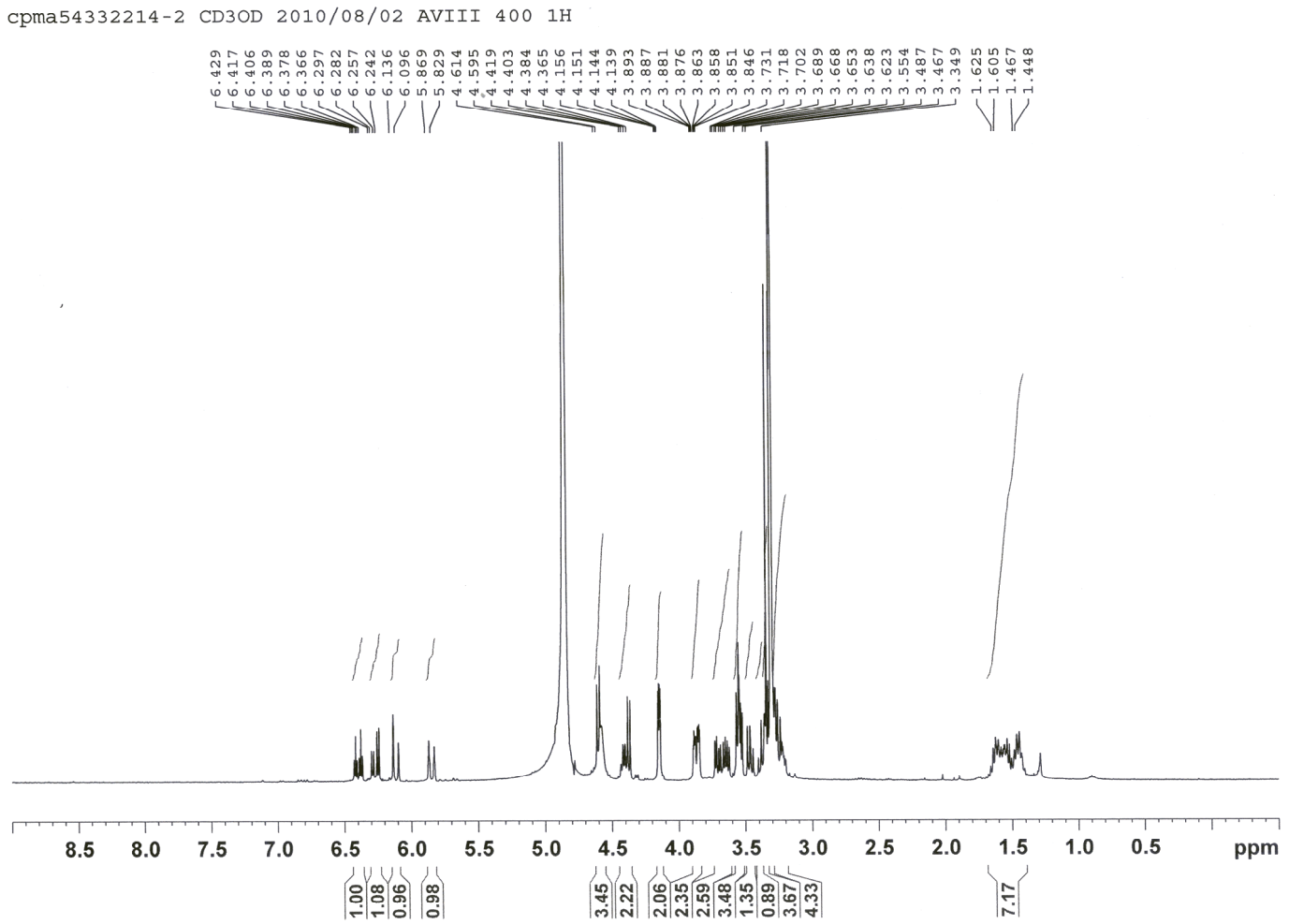

Figure S5-1. ^{1}H NMR spectrum (400 MHz) of compound **5** in CD_3OD.

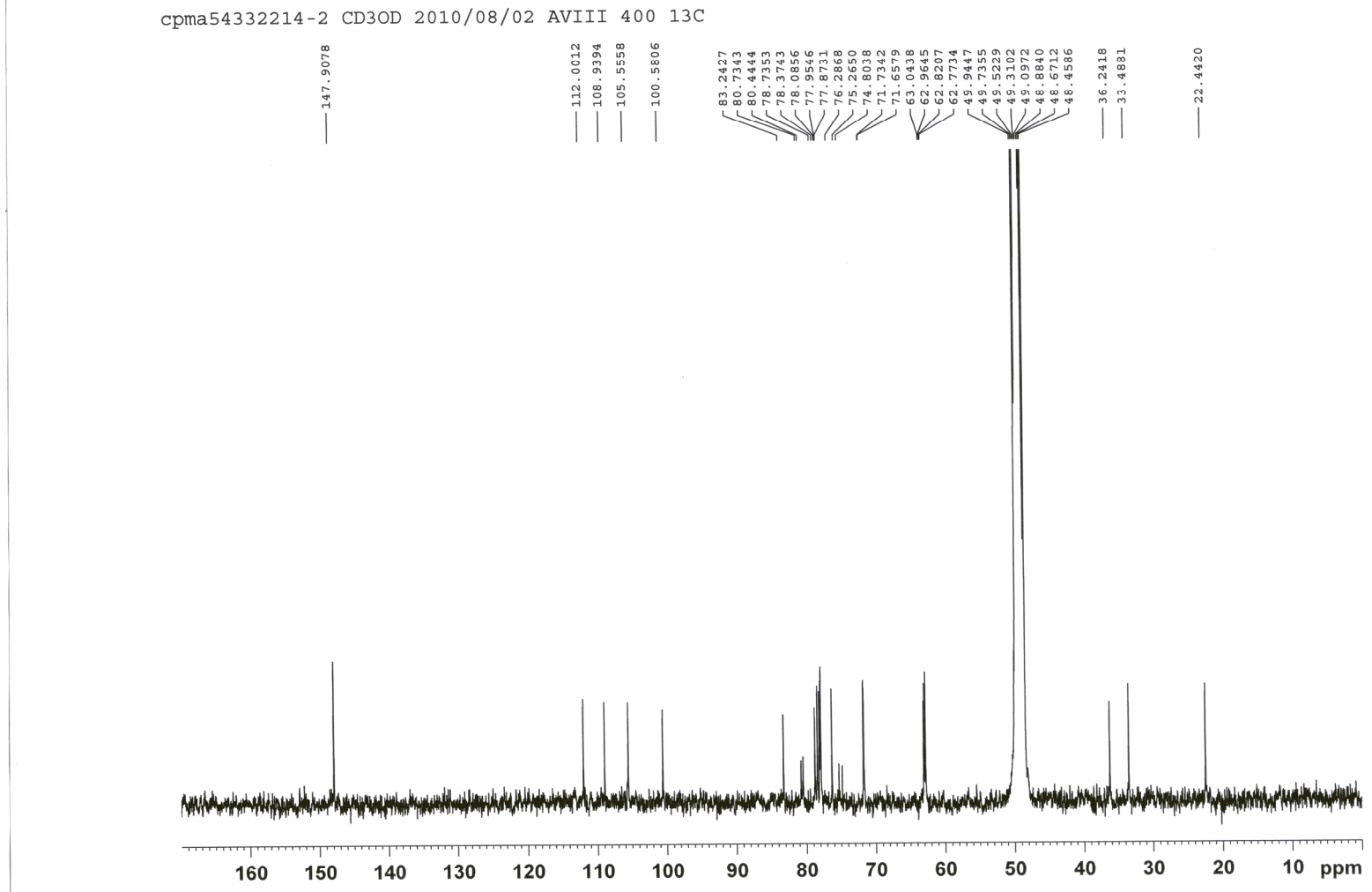

Figure S5-2. ^{13}C NMR spectrum (100 MHz) of compound **5** in CD_3OD.

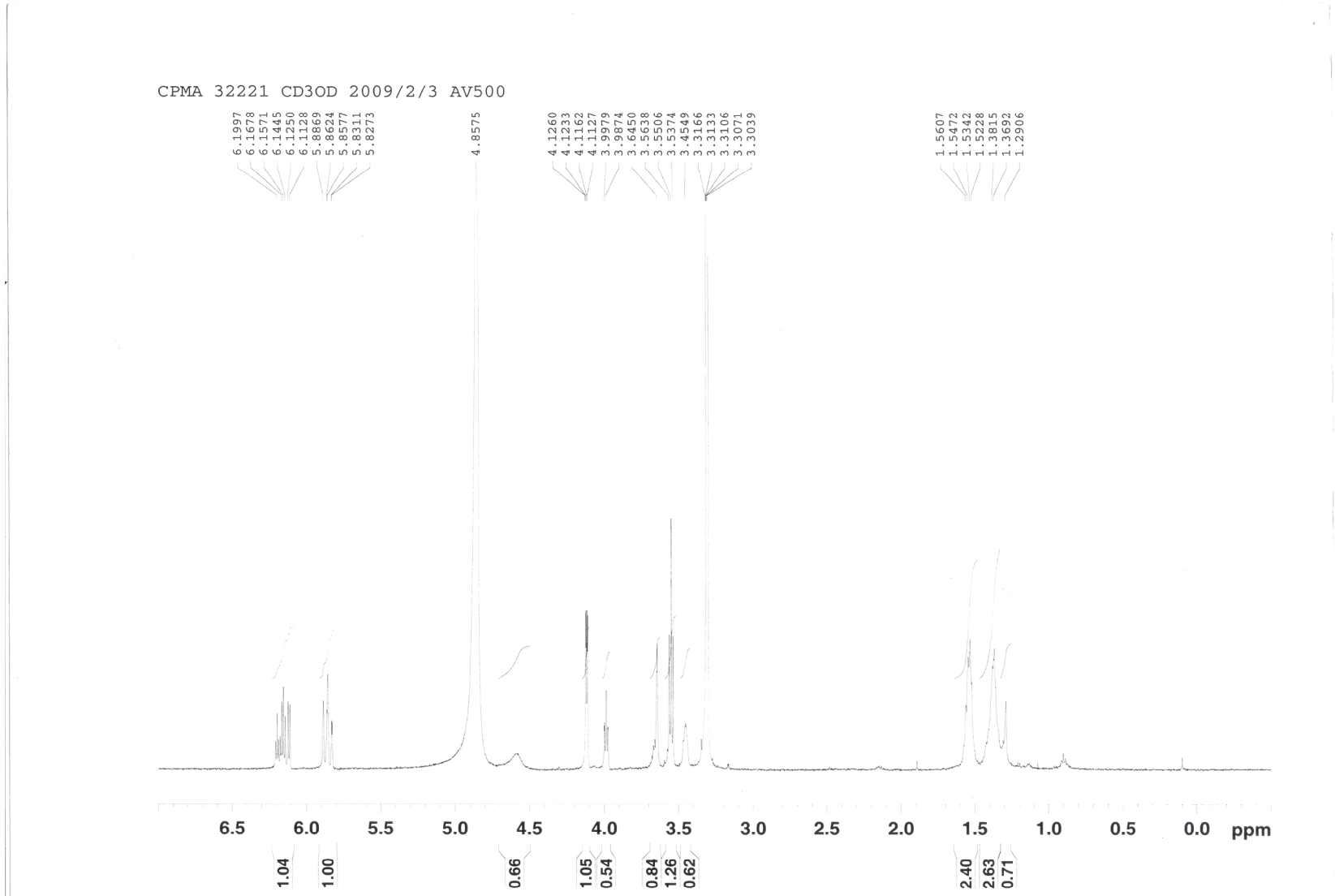

Figure S6-1. ^{1}H NMR spectrum (500 MHz) of compound **6** in CD_3OD.

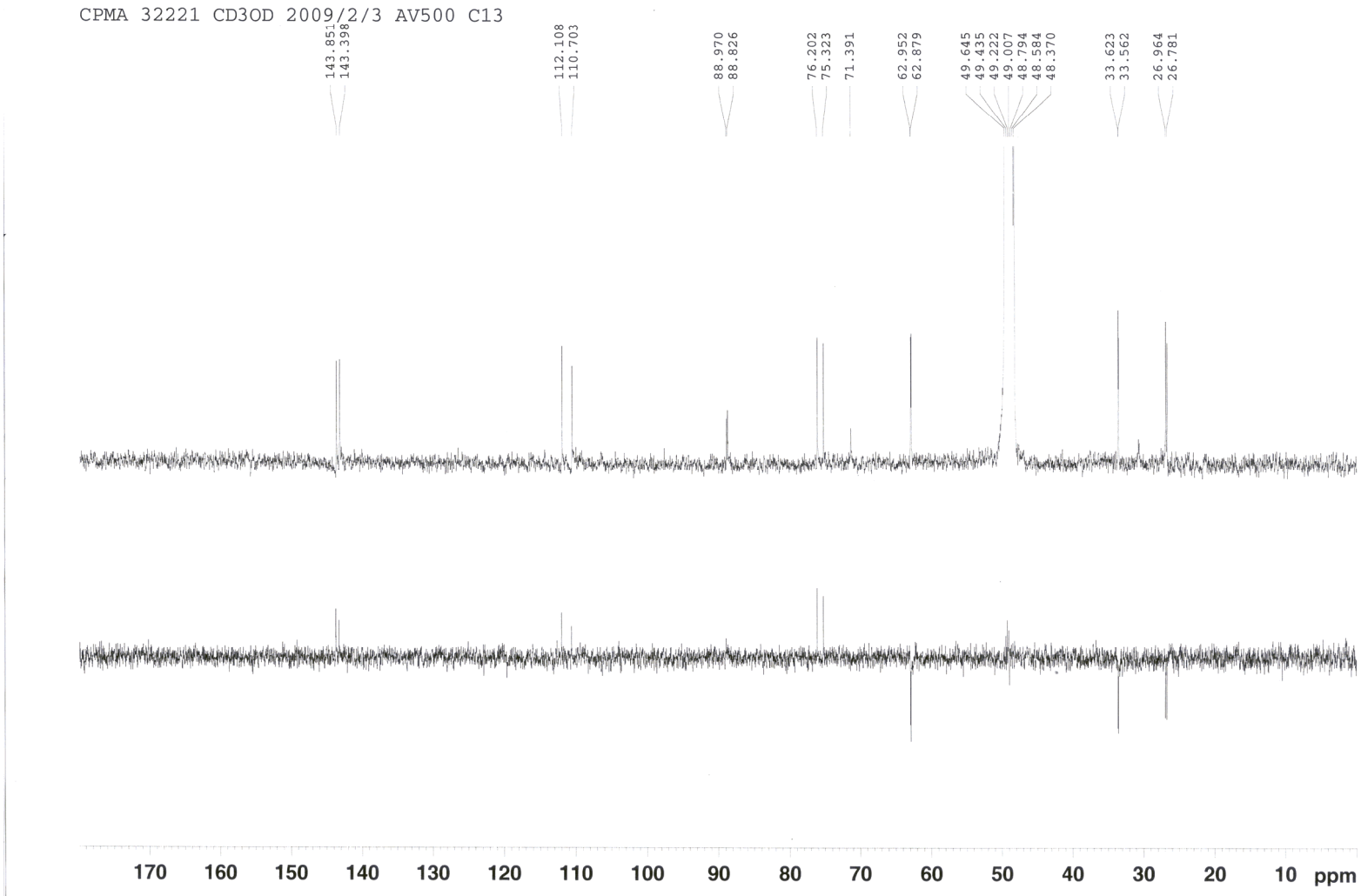

Figure S6-2. ^{13}C NMR spectrum (125 MHz) of compound **6** in CD_3OD.

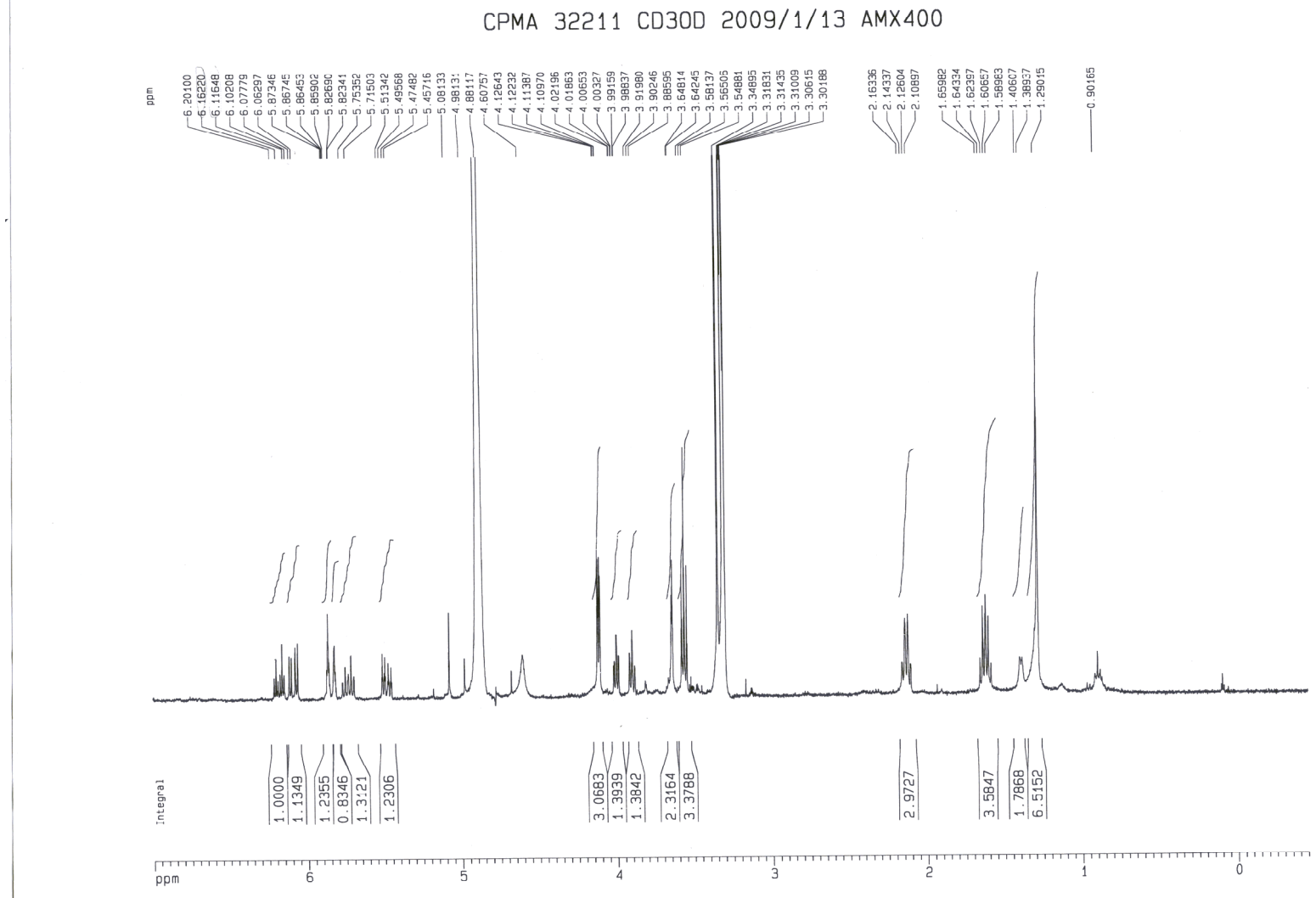

Figure S7-1. ^{1}H NMR spectrum (400 MHz) of compound **7** in CD_3OD.

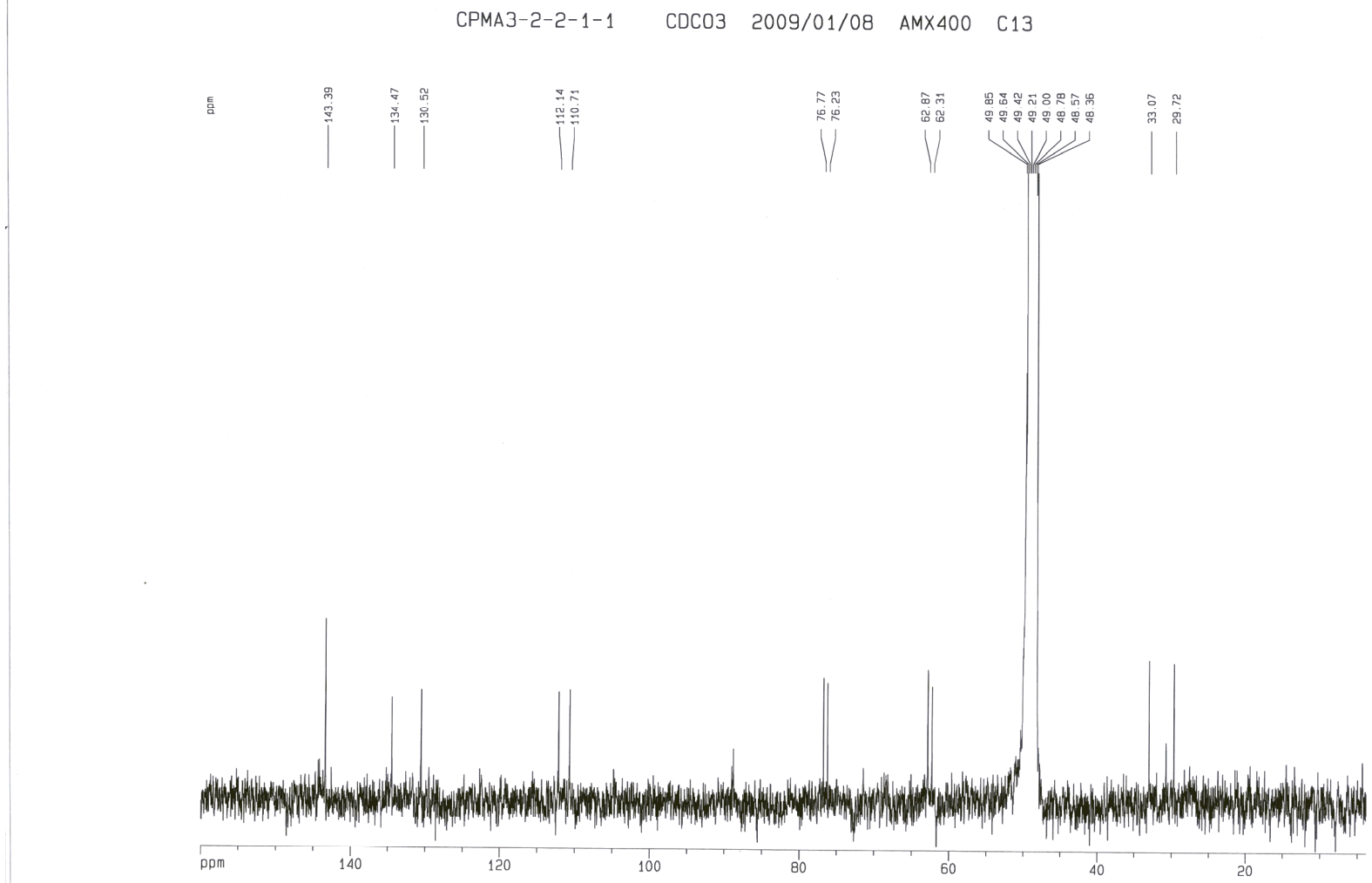

Figure S7-2. ^{13}C NMR spectrum (100 MHz) of compound **7** in CD_3OD.