

Isoprenoids from the Soft Coral *Sarcophyton glaucum*

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For compound 1:

Figure S1-1. ^1H NMR spectrum (400 MHz) of compound **1** in CDCl_3 .

Figure S1-2. ^{13}C NMR spectrum (100 MHz) of compound **1** in CDCl_3 .

Figure S1-3. NOESY spectrum of compound **1** in CDCl_3 .

For compound 2:

Figure S2-1. ^1H NMR spectrum (400 MHz) of compound **2** in CDCl_3 .

Figure S2-2. ^{13}C NMR spectrum (100 MHz) of compound **2** in CDCl_3 .

For compound 3:

Figure S3-1. ^1H NMR spectrum (400 MHz) of compound **3** in CDCl_3 .

Figure S3-2. ^{13}C NMR spectrum (100 MHz) of compound **3** in CDCl_3 .

For compound 4:

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

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

For compound 5:

Figure S5-1. ^1H 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 7:

Figure S6-1. ^1H NMR spectrum (400 MHz) of compound **7** in CDCl_3 .

Figure S6-2. ^{13}C NMR spectrum (100 MHz) of compound **7** in CDCl_3 .

Figure S6-3. Partial NOESY spectrum of compound **7** in CDCl_3 .

F1-35-3-1

Sample Name:
F1-35-3-1
Data Collected on:
Varian-NMR-vnmrs400
Archive directory:
/home/sheu/vnmrsys/data
Sample directory:
F1-35-3-1_20141027_02
FidFile: PROTON_01

Pulse Sequence: PROTON (s2pu1)
Solvent: cdc13
Data collected on: Oct 27 2014

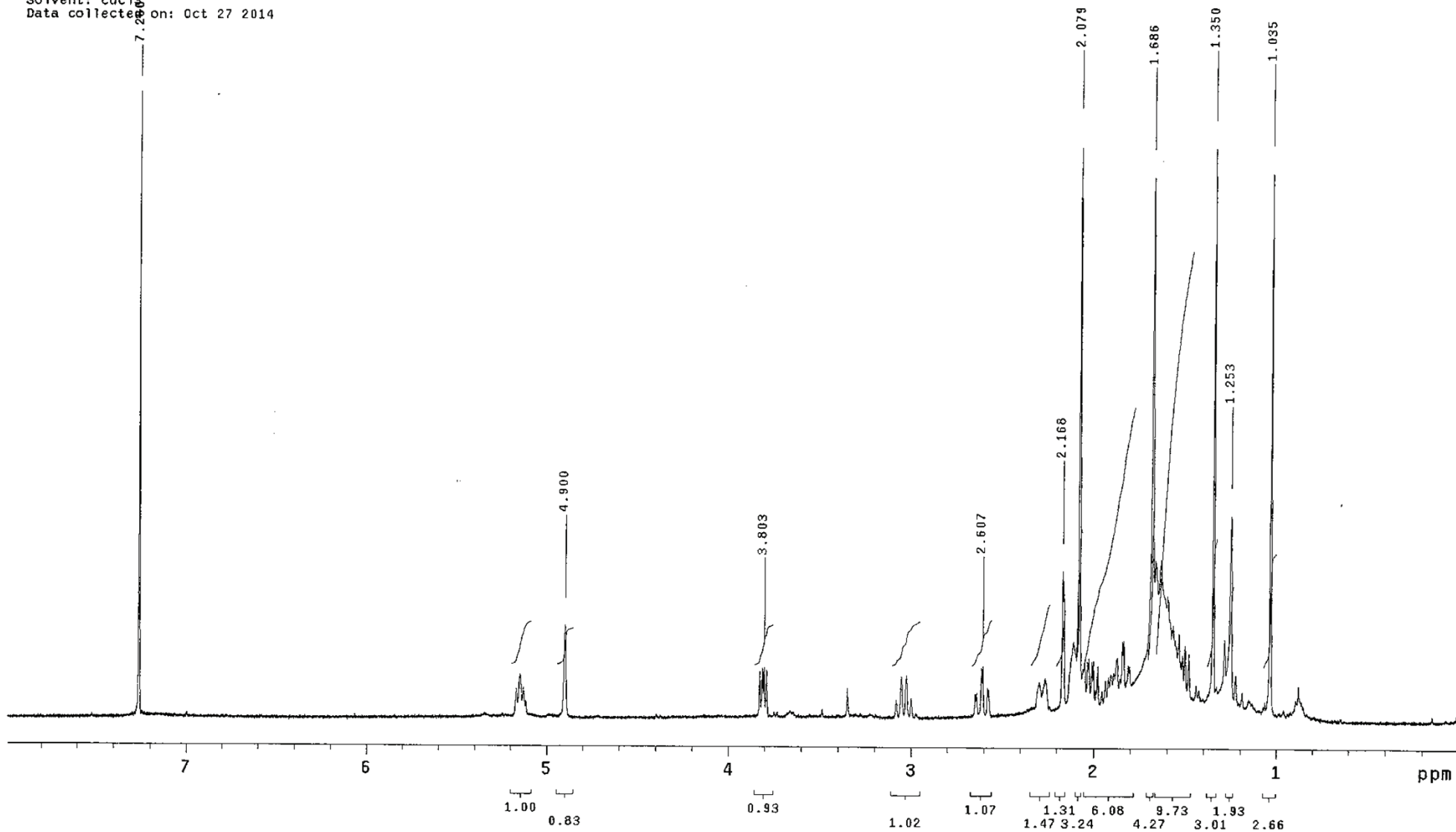


Figure S1-1. ¹H NMR spectrum (400 MHz) of compound 1 in CDCl₃.

F1-35-3-1

Sample Name:
F1-35-3-1
Data Collected on:
Varian-NMR-vnmrs400
Archive directory:
/home/sheu/vnmrsys/data
Sample directory:
F1-35-3-1_20141027_02
FidFile: CARBON_01

Pulse Sequence: CARBON [s2pu1]
Solvent: cdc13
Data collected on: Oct 27 2014

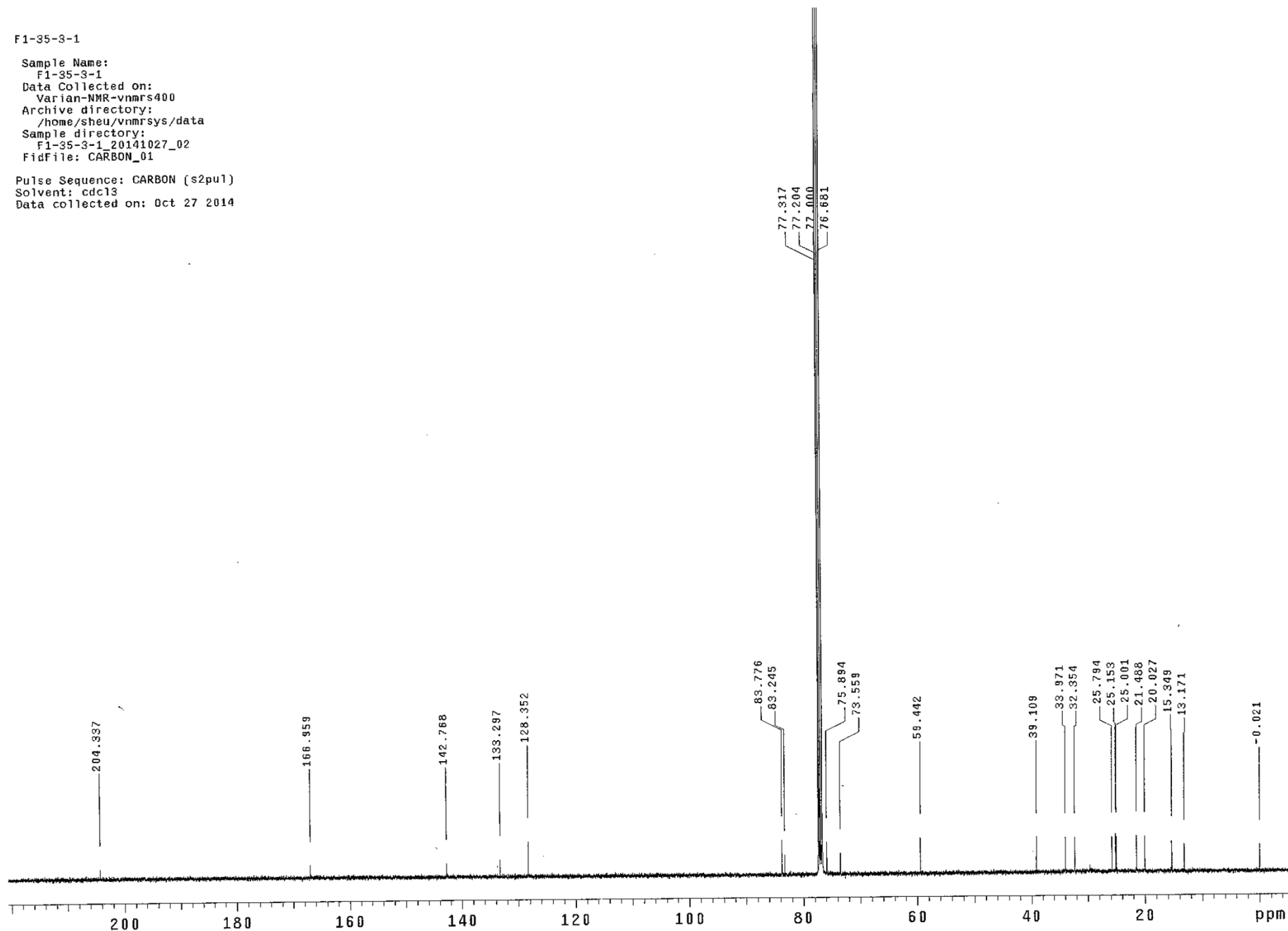


Figure S1-2. ¹³C NMR spectrum (100 MHz) of compound 1 in CDCl₃.

F1-35-3-1

Sample Name:
F1-35-3-1
Data Collected on:
Varian-NMR-vnmrs400
Archive directory:
/home/sheu/vnmrsys/data
Sample directory:
F1-35-3-1_20141111_01
FidFile: NOESY_01

Pulse Sequence: NOESY
Solvent: cdcl3
Data collected on: Nov 11 2014

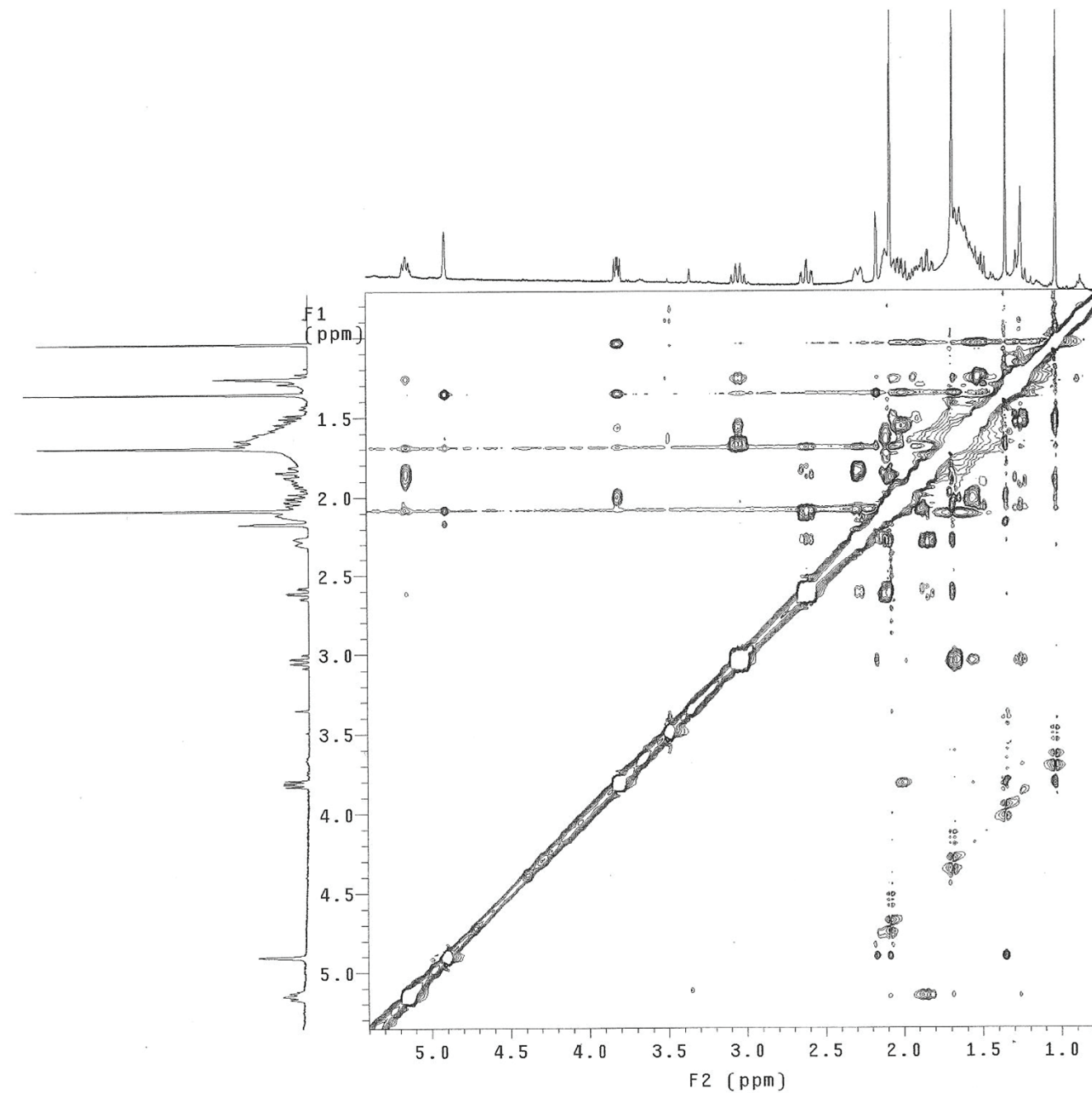


Figure S1-3. NOESY spectrum of compound **1** in CDCl_3 .

F1-19-5-5-4-4

Sample Name:
F1-19-5-5-4-4
Data Collected on:
Varian-NMR-vnmrs400
Archive directory:
/home/sheu/vnmrsys/data
Sample directory:
F1-19-5-5-4-4_20150402_02
FidFile: PROTON_01

Pulse Sequence: PROTON (s2pu1)
Solvent: cdcl3
Data collected on: Apr 2 2015

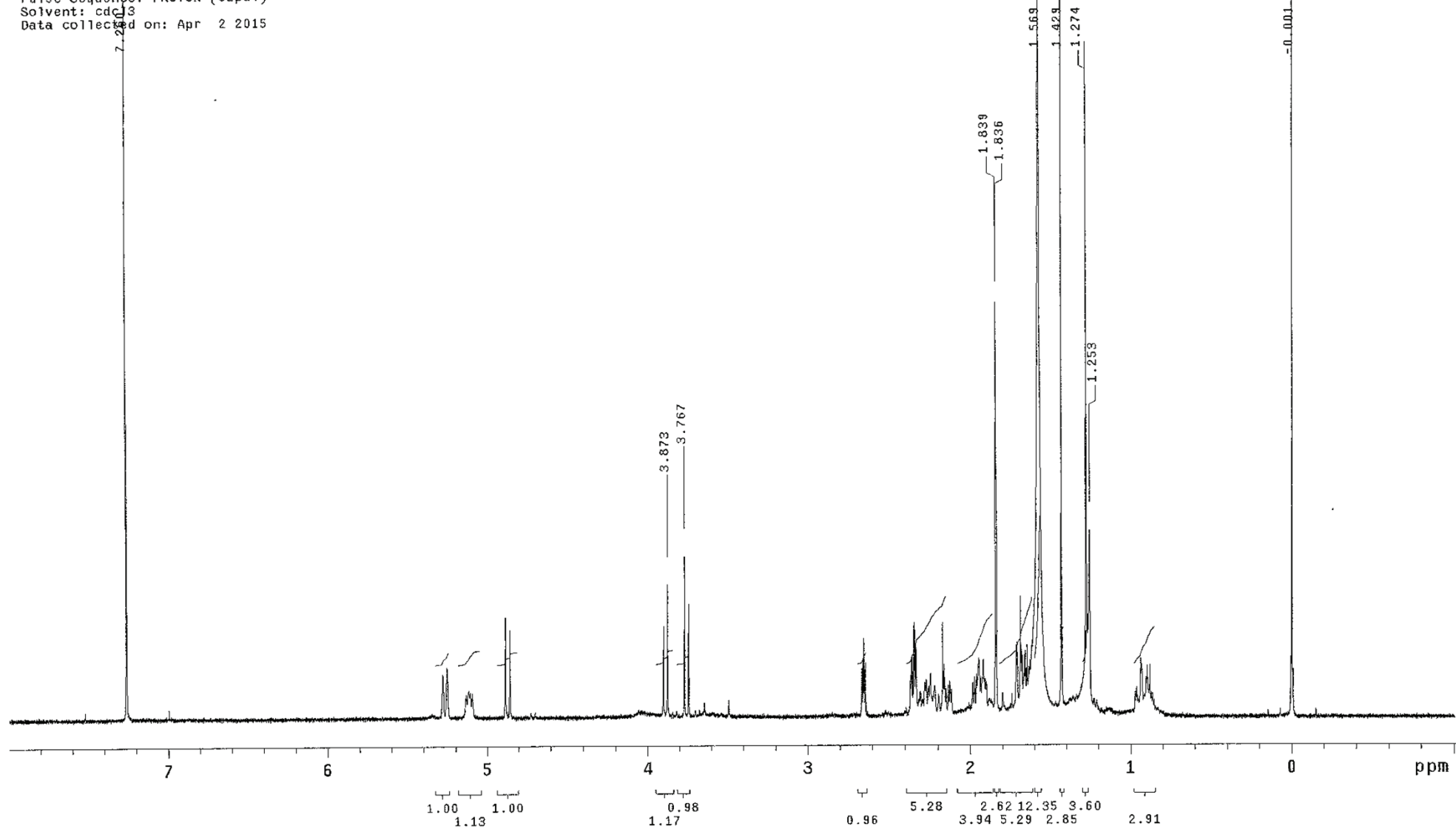


Figure S2-1. ¹H NMR spectrum (400 MHz) of compound 2 in CDCl₃

F1-19-5-5-4-4

Sample Name:
F1-19-5-5-4-4
Data Collected on:
Varian-NMR-vnmrs400
Archive directory:
/home/sheu/vnmrsys/data
Sample directory:
F1-19-5-5-4-4_20150402_02
FidFile: CARBON_01

Pulse Sequence: CARBON (s2pu1)
Solvent: cdc13
Data collected on: Apr 2 2015

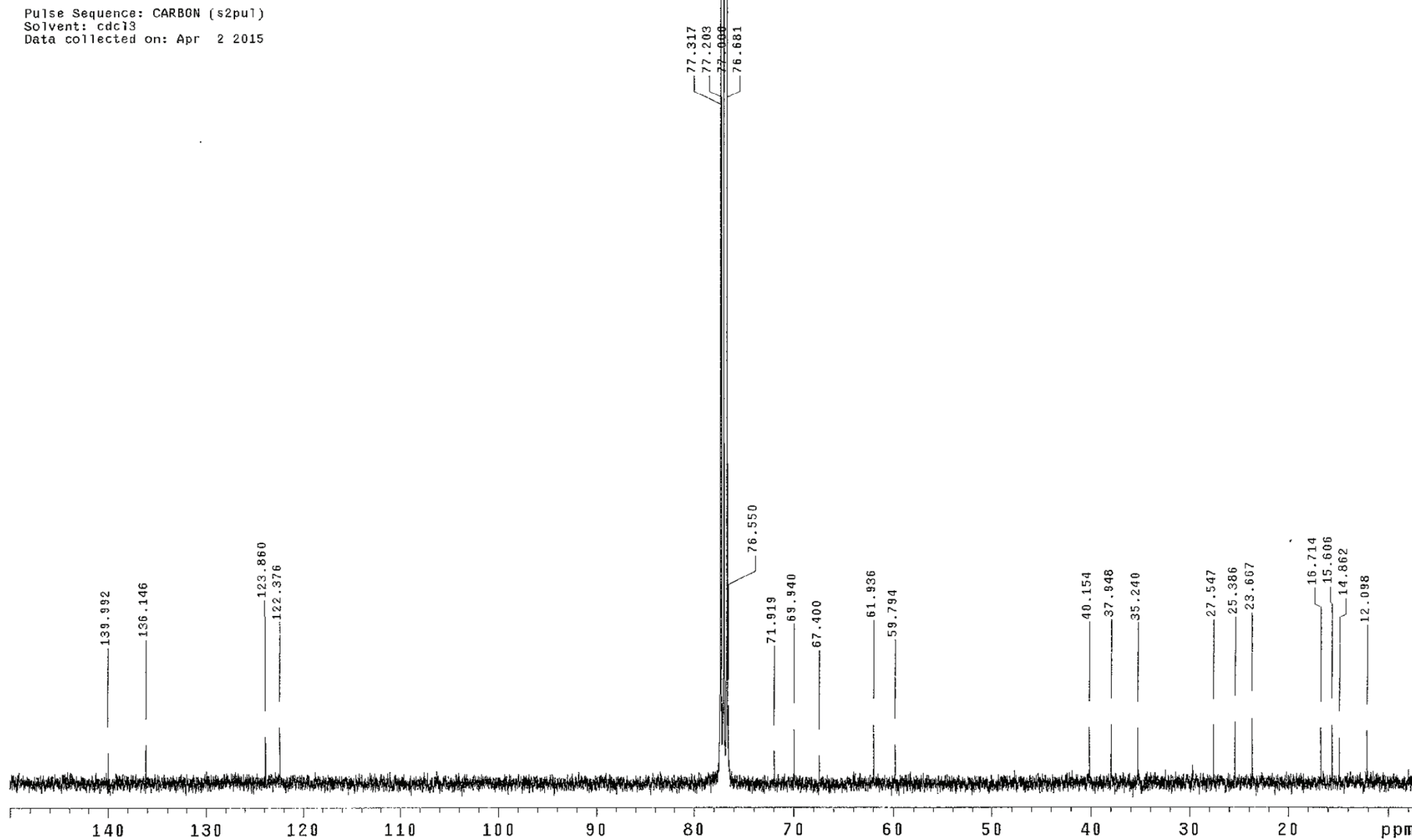


Figure S2-2. ¹³C NMR spectrum (100 MHz) of compound **2** in CDCl₃.

F1-32-4-1-1(AAA)-6-4-1

Sample Name:
F1-32-4-1-1_AAA_-6-4-1
Data Collected on:
Varian-NMR-vnmrs400
Archive directory:
/home/sheu/vnmrsys/data
Sample directory:
F1-32-4-1-1_AAA_-6-4-1_20150313_01
Fidfile: PROTON_01

Pulse Sequence: PROTON (s2pu1)
Solvent: cdcl3
Data collected on: Mar 13 2015

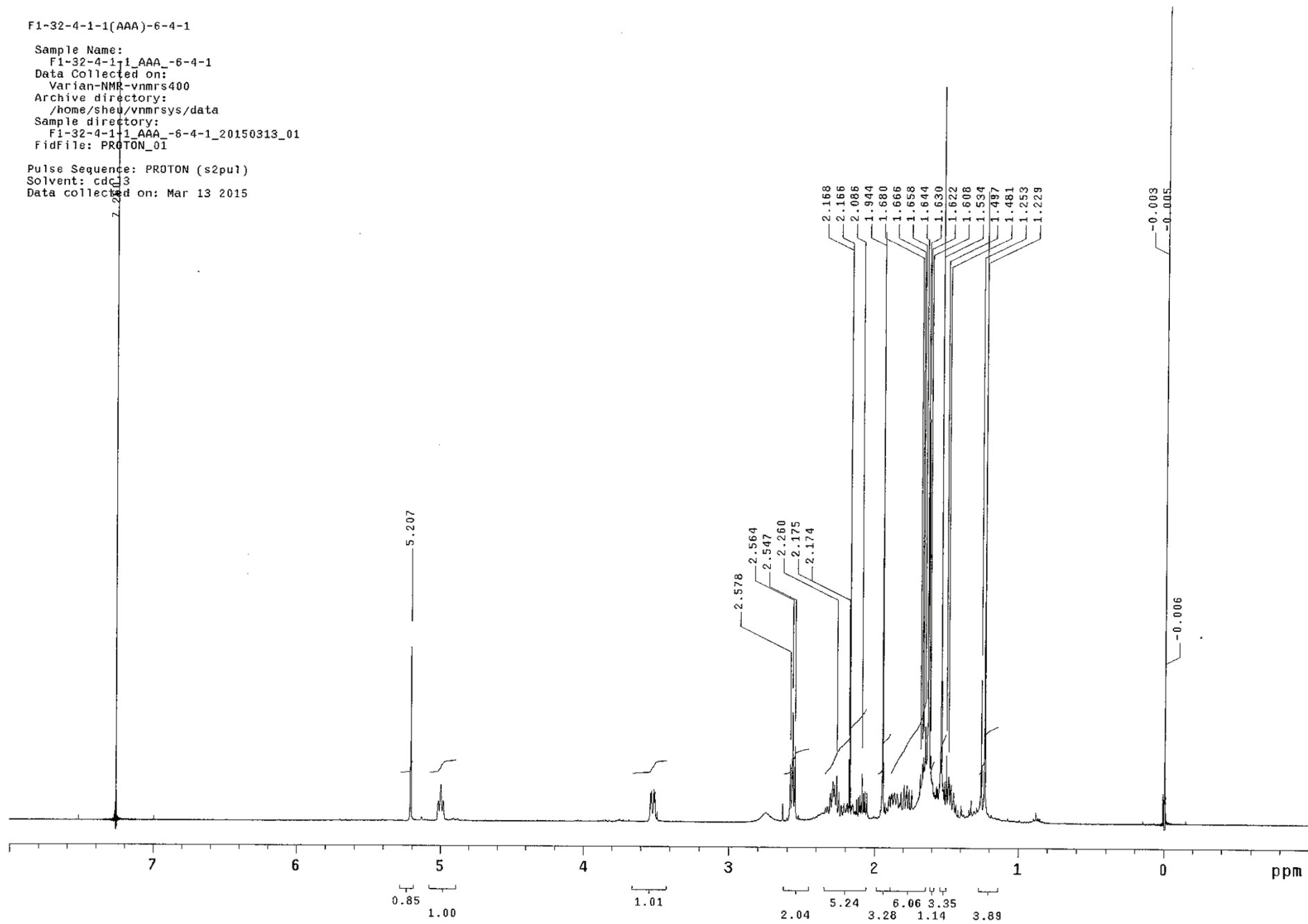


Figure S3-1. ¹H NMR spectrum (400 MHz) of compound 3 in CDCl₃.

F1-32-4-1-1(AAA)-6-4-1

Sample Name:
F1-32-4-1-1_AAA_-6-4-1
Data Collected on:
Varian-NMR-vnmrs400
Archive directory:
/home/sheu/vnmrsys/data
Sample directory:
F1-32-4-1-1_AAA_-6-4-1_20150317_01
FidFile: CARBON_01

Pulse Sequence: CARBON (s2pu1)
Solvent: cdc13
Data collected on: Mar 17 2015

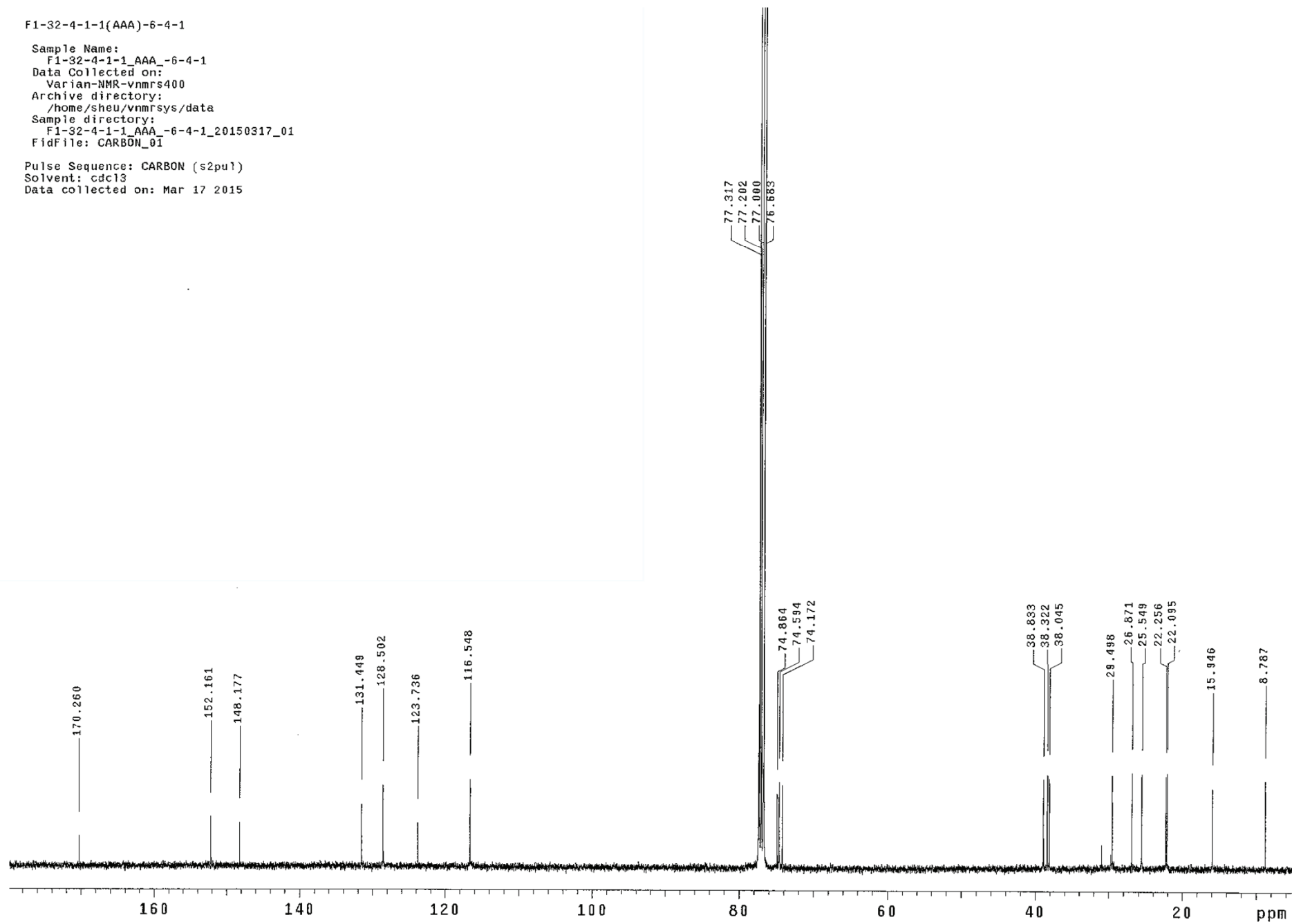


Figure S3-2. ^{13}C NMR spectrum (100 MHz) of compound **3** in CDCl_3

F1-35-2-1

Sample Name:
F1-35-2-1
Data Collected on:
Varian-NMR-vnmrs400
Archive directory:
/home/sheu/vnmrsys/data
Sample directory:
F1-35-2-1_20150610_01
FidFile: PROTON_01

Pulse Sequence: PROTON (s2pu1)
Solvent: dms0
Data collected on: Jun 10 2015

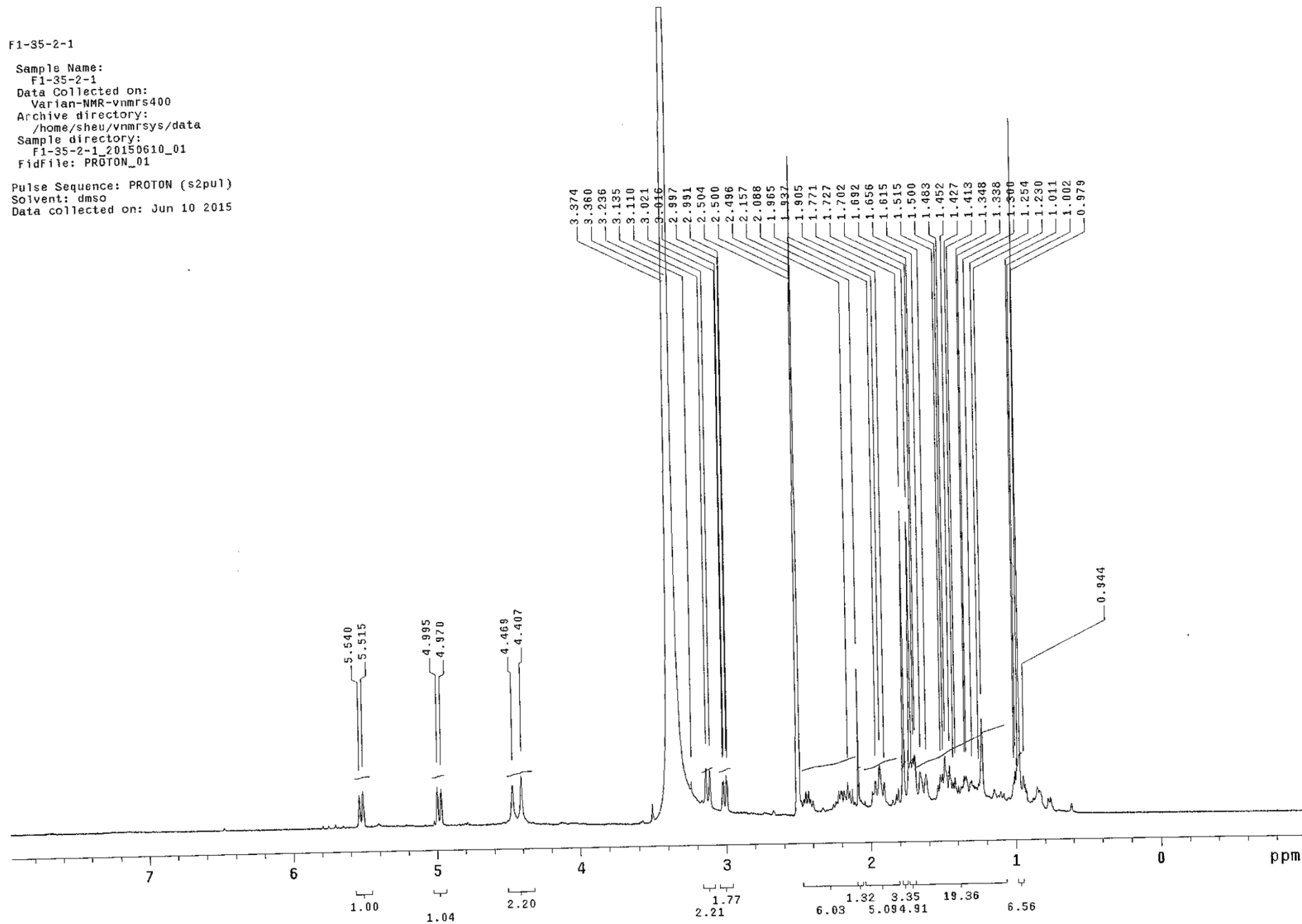


Figure S4-1. ¹H NMR spectrum (400 MHz) of compound 4 in DMSO.

F1-35-2-1

Sample Name:
F1-35-2-1
Data Collected on:
Varian-NMR-vnmrs400
Archive directory:
/home/sheu/vnmrsys/data
Sample directory:
F1-35-2-1_20150502_01
FidFile: CARBON_01

Pulse Sequence: CARBON (s2pul)
Solvent: dmsd
Data collected on: May 2 2015

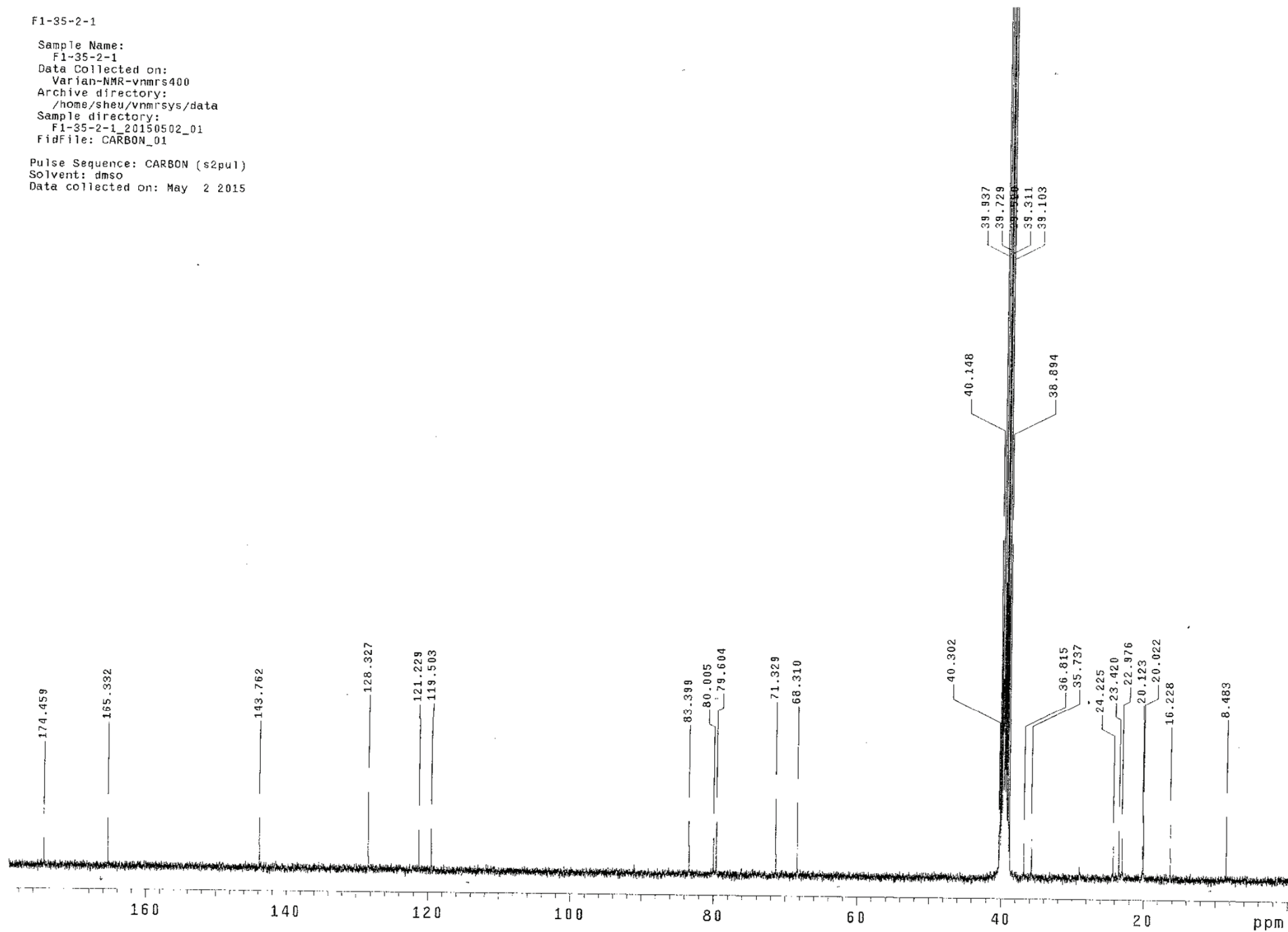


Figure S4-2. ^{13}C NMR spectrum (100 MHz) of compound 4 in DMSO.

F1-37-3-1

Sample Name:
F1-37-3-1
Data Collected on:
Varian-NMR-vnmrs400
Archive directory:
/home/sheu/vnmrsys/data
Sample directory:
F1-37-3-1_20150325_01
FidFile: PROTON_01

Pulse Sequence: PROTON (s2pu1)
Solvent: cd3od
Data collected on: Mar 25 2015

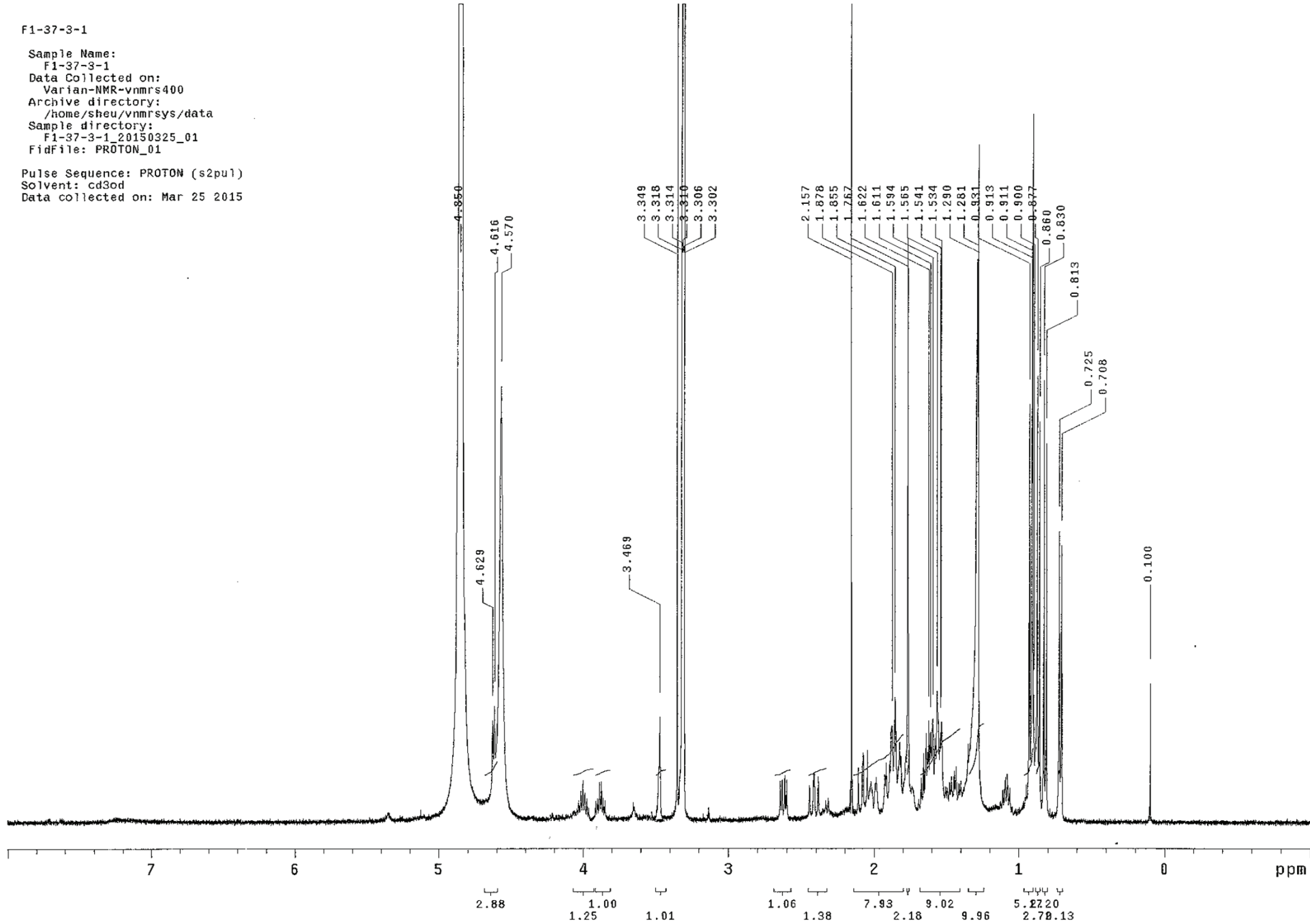


Figure S5-1. ^1H NMR spectrum (400 MHz) of compound **5** in CD_3OD .

F1-37-3-1

Sample Name:
F1-37-3-1
Data Collected on:
Varian-NMR-vnmrs400
Archive directory:
/home/sheu/vnmrsys/data
Sample directory:
F1-37-3-1_20150316_01
FidFile: CARBON_01

Pulse Sequence: CARBON (s2pu1)
Solvent: cd3od
Data collected on: Mar 17 2015

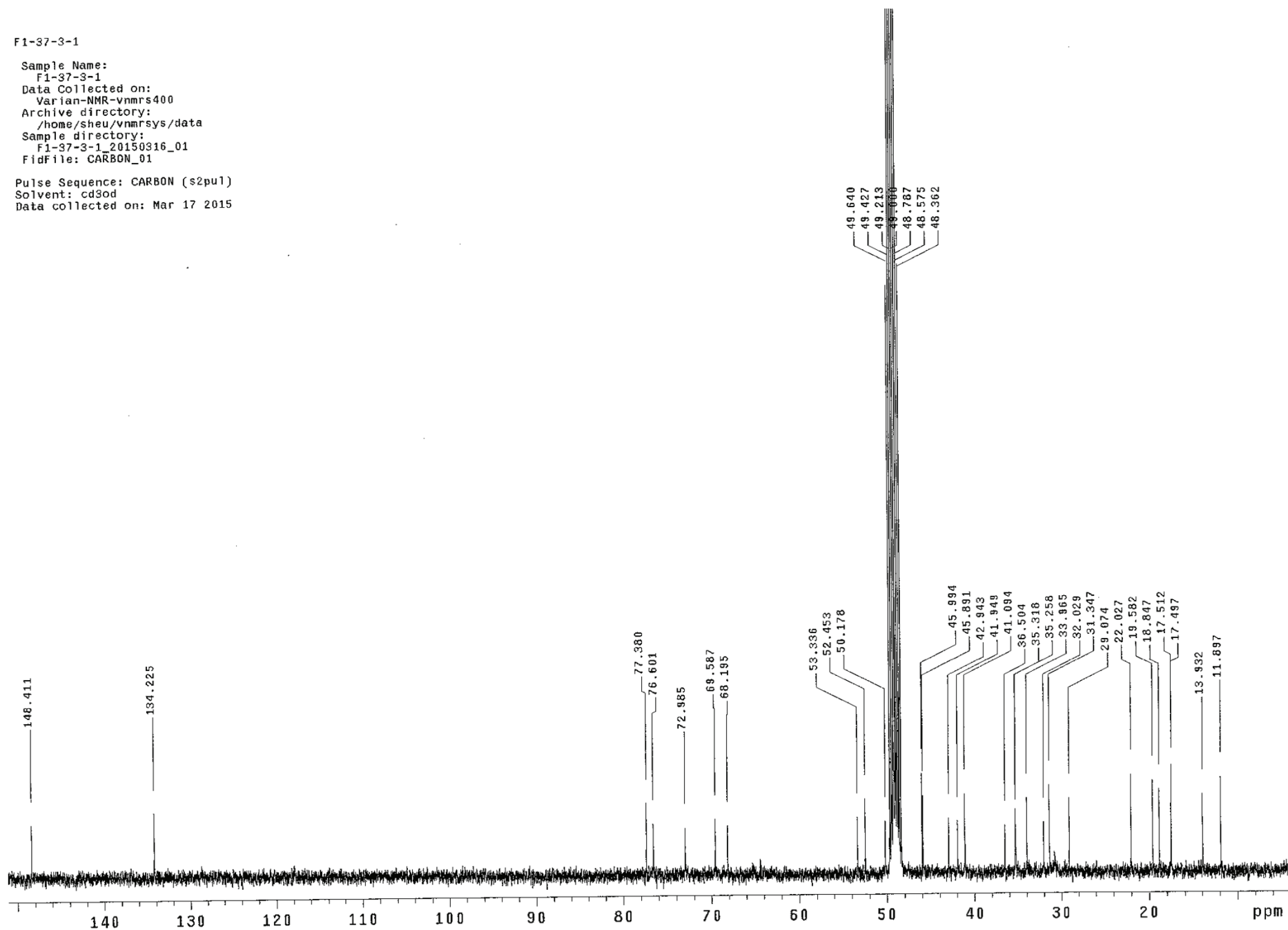


Figure S5-2. ¹³C NMR spectrum (100 MHz) of compound **5** in CD₃OD.

F1-35-2-4

Sample Name:
F1-35-2-4
Data Collected on:
Varian-NMR-vnmrs400
Archive directory:
/home/sheu/vnmrsys/data
Sample directory:
F1-35-2-4_20150111_01
FidFile: PROTON_01

Pulse Sequence: PROTON (s2pu1)
Solvent: cdc13
Data collected on: Jan 11 2015

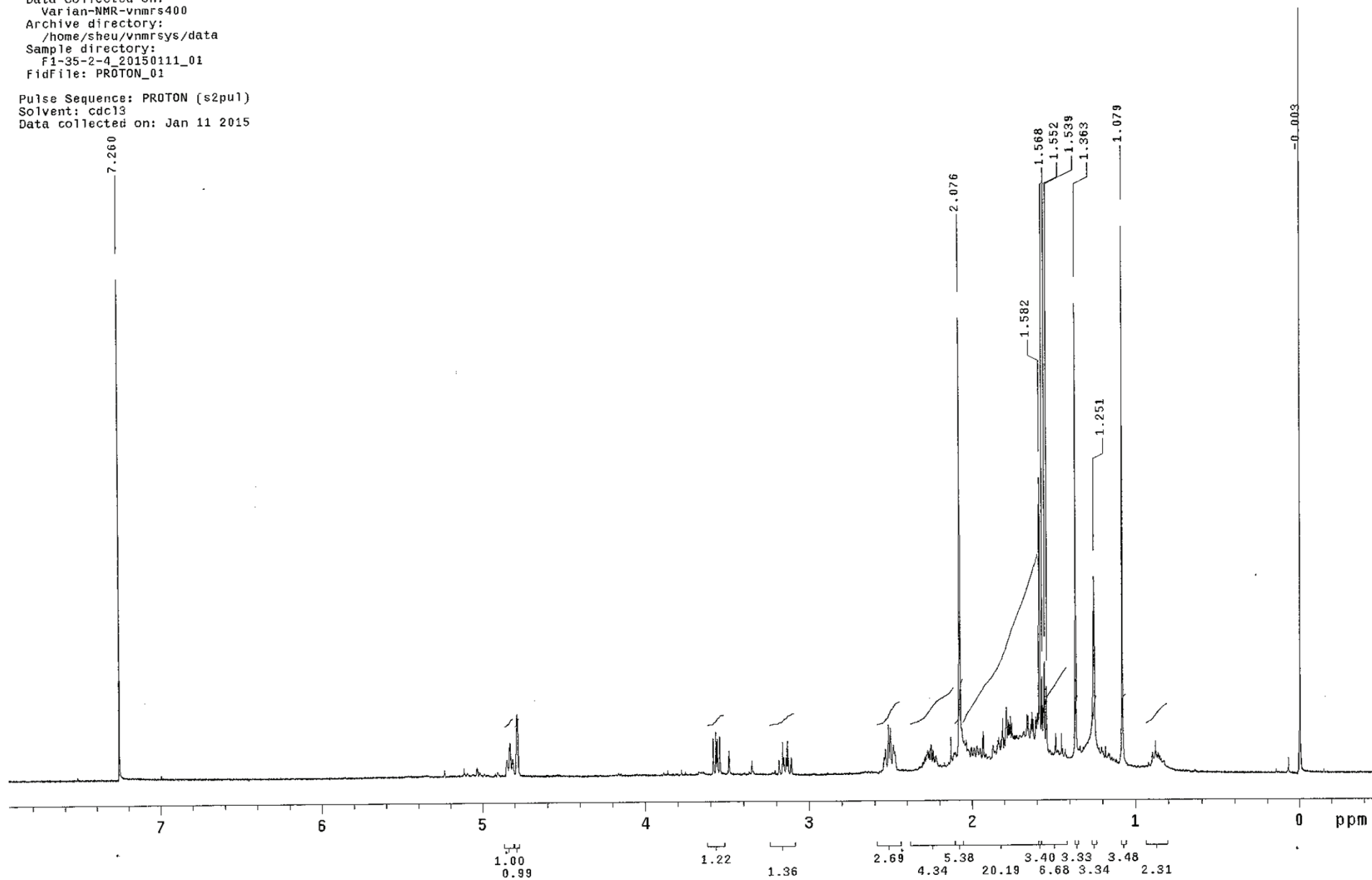


Figure S6-1. ^1H NMR spectrum (400 MHz) of compound **7** in CDCl_3 .

F1-35-2-4

Sample Name:
F1-35-2-4
Data Collected on:
Varian-NMR-vnmrs400
Archive directory:
/home/sheu/vnmrsys/data
Sample directory:
F1-35-2-4_20141215_01
FidFile: CARBON_01

Pulse Sequence: CARBON (s2pu1)
Solvent: cdcl3
Data collected on: Dec 15 2014

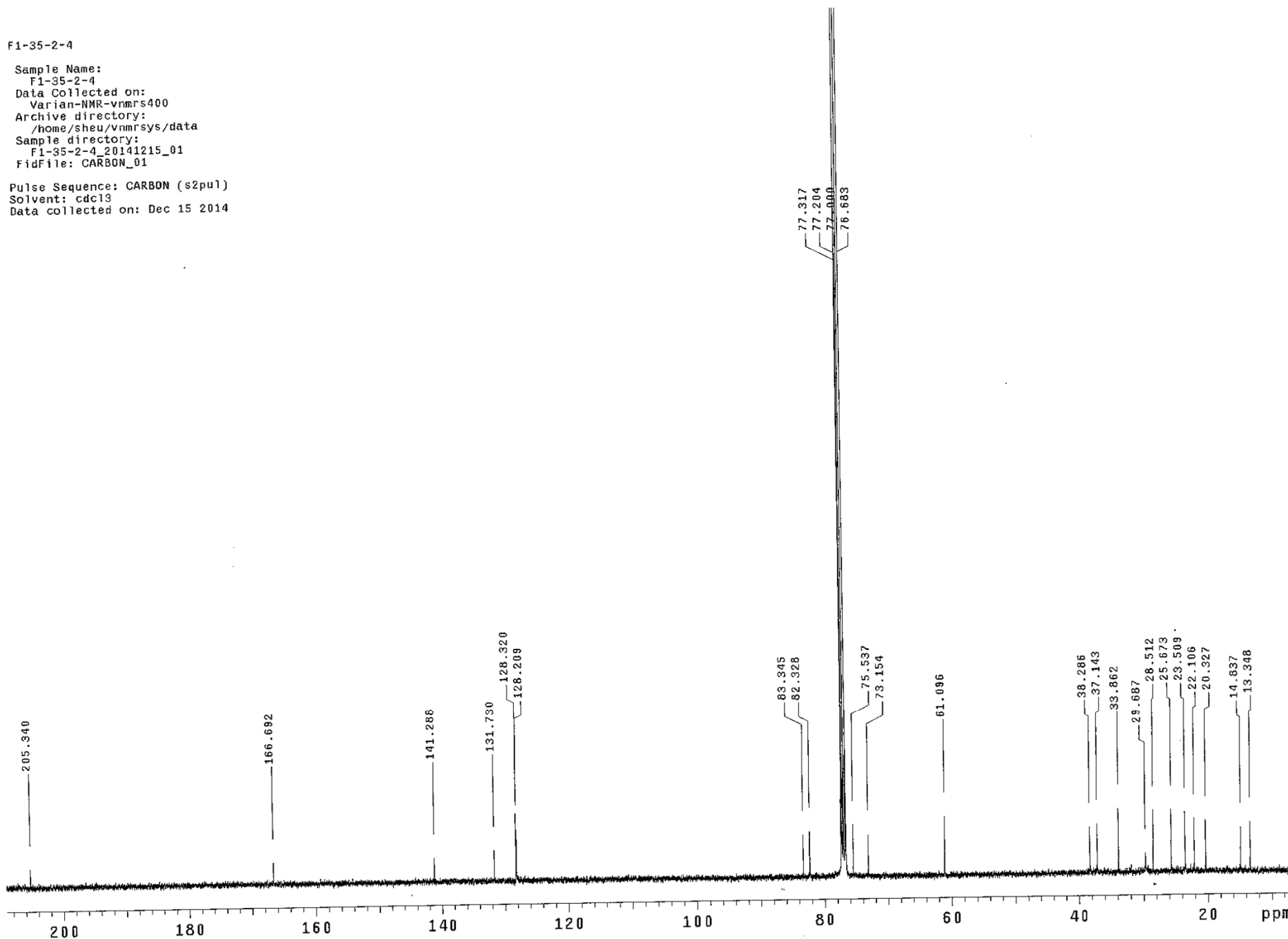


Figure S6-2. ¹³C NMR spectrum (100 MHz) of compound 7 in CDCl₃.

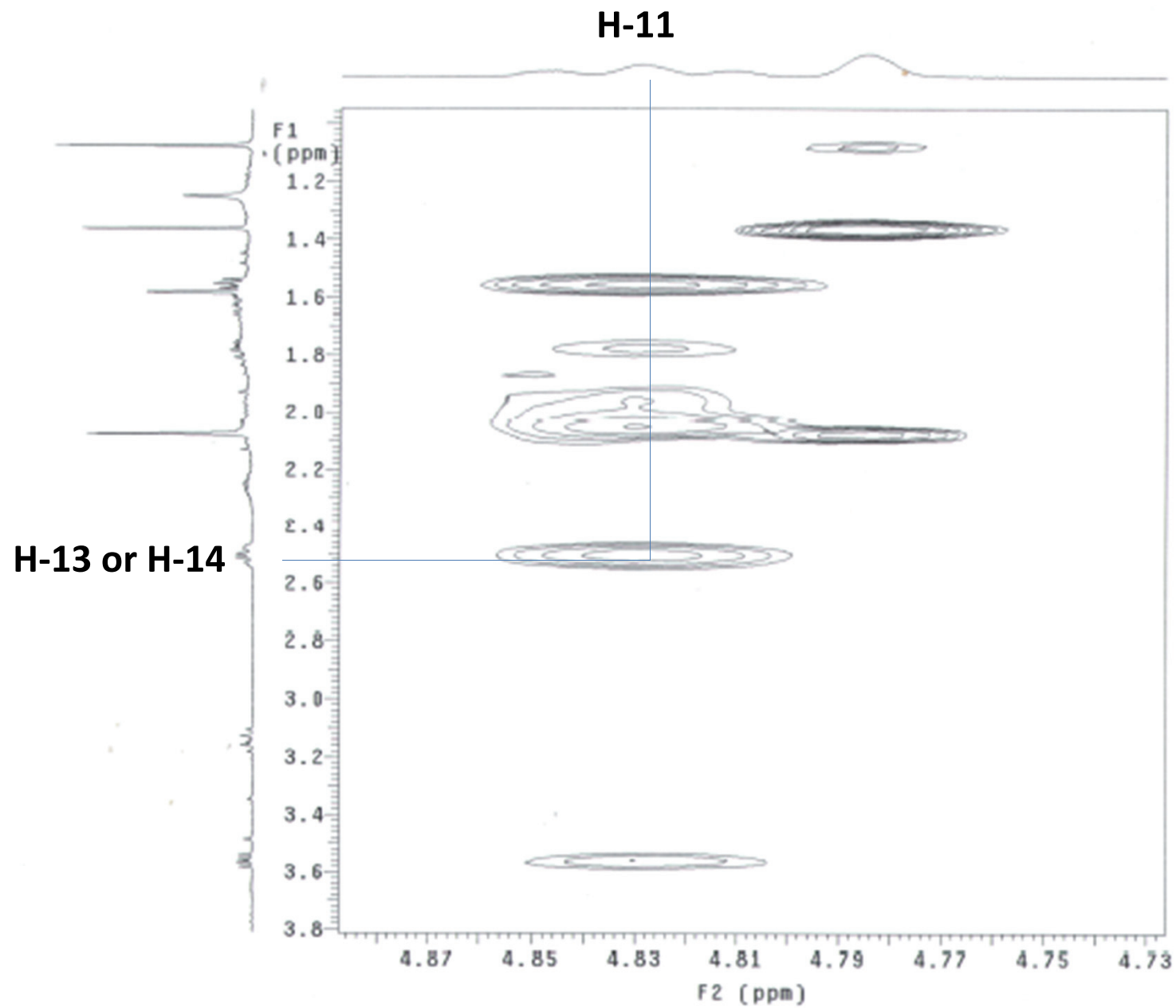


Figure S6-3. Partial NOESY spectrum of compound **7** in CDCl₃.