

Supplementary Materials: Phloroglucinols with Antioxidative activity from the Roots of *Lysidice rhodostegia*

Xian-Fu Wu ^{1,2,*}, Li Li ¹, Yong Li ¹, Hai-Ning Lv ¹, Yun-Bao Liu ¹, and You-Cai Hu ^{1,*}

¹ State Key Laboratory of Bioactive Substance and Function of Natural Medicines, Institute of Materia Medica, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing 100050, China; annaleelin@imm.ac.cn (L.L.); liyong@imm.ac.cn (Y.L.); lhn371102@126.com (H.-N.L.); liuyunbao@imm.ac.cn (Y.-B.L.)

² National Institutes for Food and Drug Control, Beijing 100050, Beijing, China

* Correspondence: huyoucai@imm.ac.cn (Y.-C.H.); wuxf99@163.com (X.-F.W.); Tel.: +86-10-6127-1883 (Y.-C.H.); Tel.: +86-10-5385-2025 (X.-F.W.)

Contents	Page
Figure S1. IR spectrum of compound 1.....	2
Figure S2. ¹ H-NMR spectrum of compound 1 (400 MHz, CD ₃ OD)	3
Figure S3. ¹³ C-NMR spectrum of compound 1 (100 MHz, CD ₃ OD).....	4
Figure S4. HMQC spectrum of compound 1.....	5
Figure S5. HMBC spectrum of compound 1	6
Figure S6. IR spectrum of compound 2.....	7
Figure S7. ¹ H-NMR spectrum of compound 2 (500 MHz, CD ₃ OD)	8
Figure S8. ¹³ C-NMR spectrum of compound 2 (125 MHz, CD ₃ OD)	9
Figure S9. HMQC spectrum of compound 2.....	10
Figure S10. HMBC spectrum of compound 2	11

Figure S1. IR spectrum of compound 1.

Note:

日期: 星期五 3 月 21 (Date:
Friday Mar. 21)显微镜透射法 (Microscope
Transmission Method)

扫描次数(Scan times)

分辨率(Resolution)

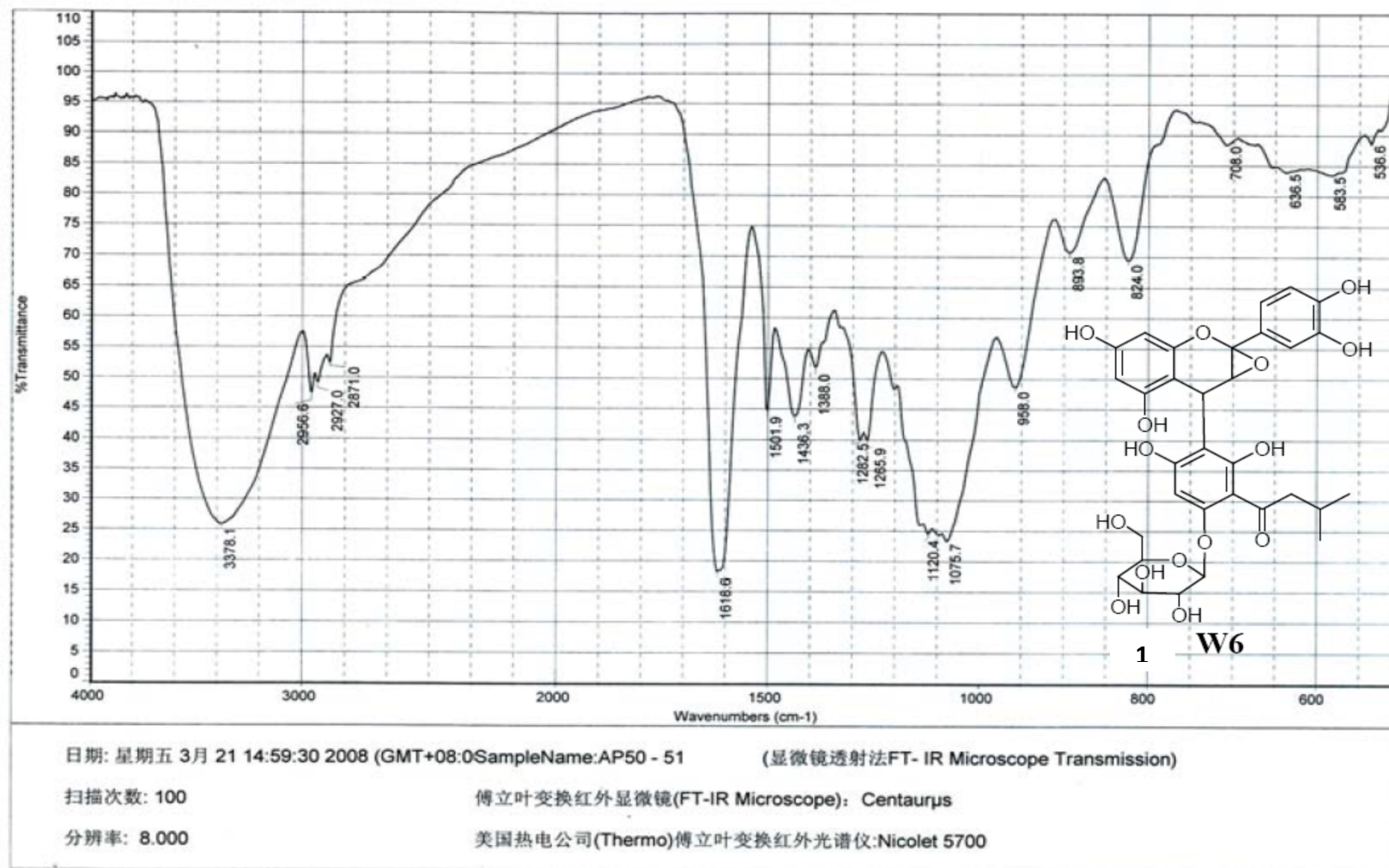
傅立叶变换红外光谱仪(Fourier
Transform Infrared Spectrometer)

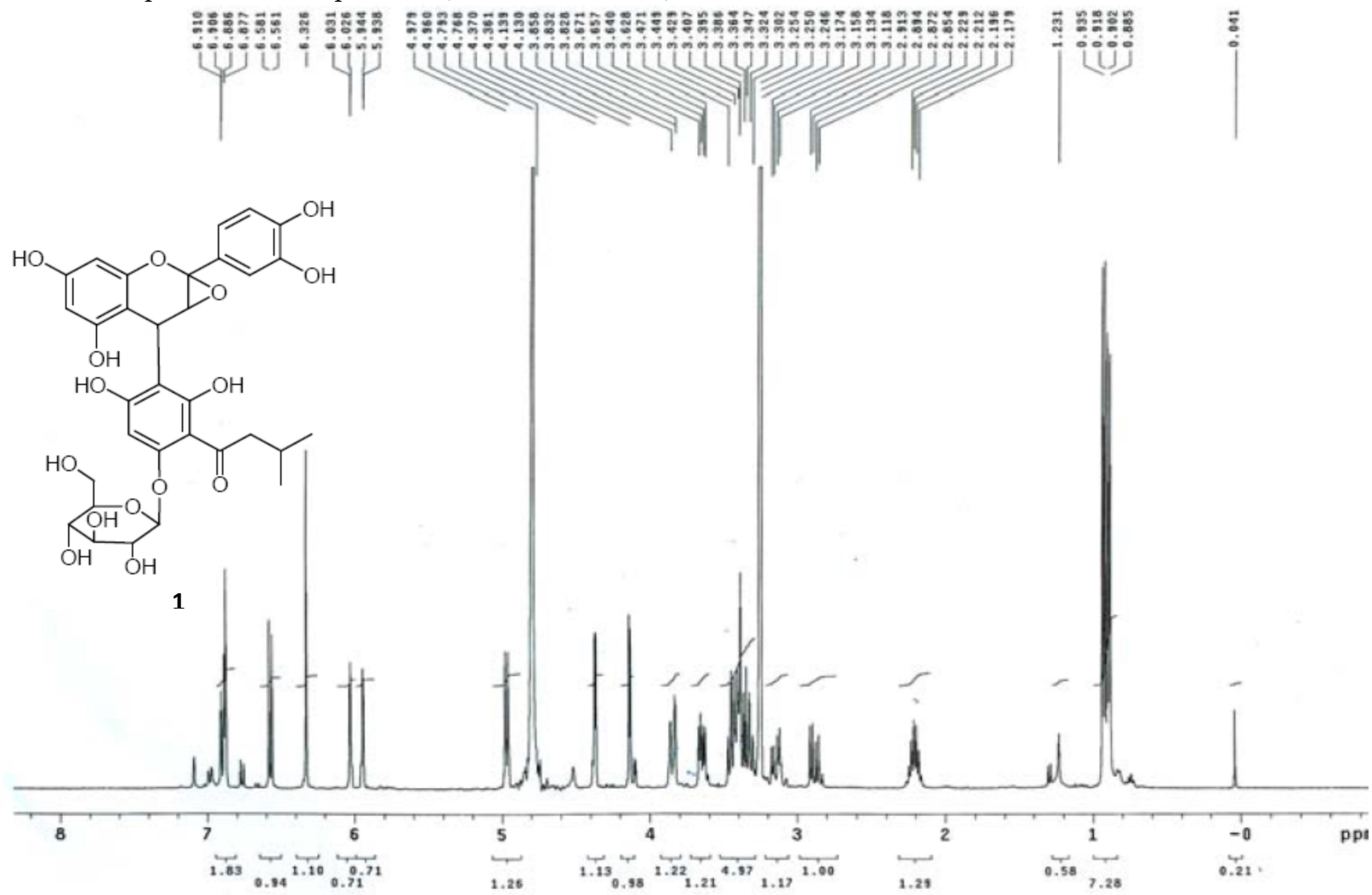
Figure S2. ^1H -NMR spectrum of compound **1** (400 MHz, CD_3OD).

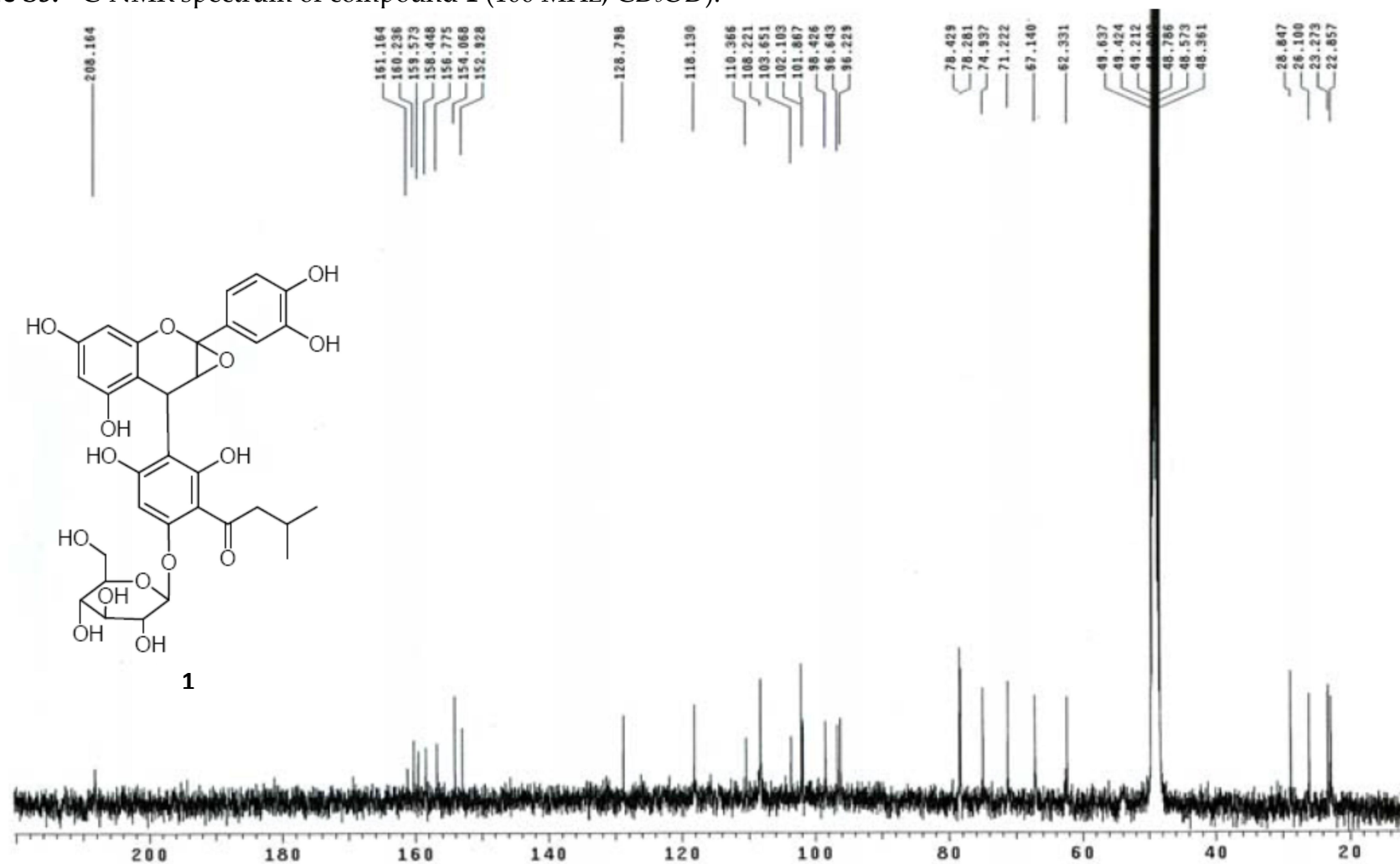
Figure S3. ^{13}C -NMR spectrum of compound **1** (100 MHz, CD_3OD).

Figure S4. HMQC spectrum of compound 1.

Solvent: CD300
Temp. 25.0 C / 298.1 K
User: 1-14-87
File: 0503
INOVA-500 "NMR500"

Relax. delay 1.000 sec
Acq. time 0.205 sec
Width 5000.9 Hz
2D Width 21378.9 Hz
64 repetitions
2 x 128 increments
OBSERVE H1, 500.0945353 MHz
DECOUPLE C13, 125.7582594 MHz
Power 38 dB
on during acquisition
off during delay
GARP-1 modulated
DATA PROCESSING
Gauss apodization 0.032 sec
F1 DATA PROCESSING
Gauss apodization 0.004 sec
FT size 2048 x 2048
Total time 5 hr, 49 min, 10 sec

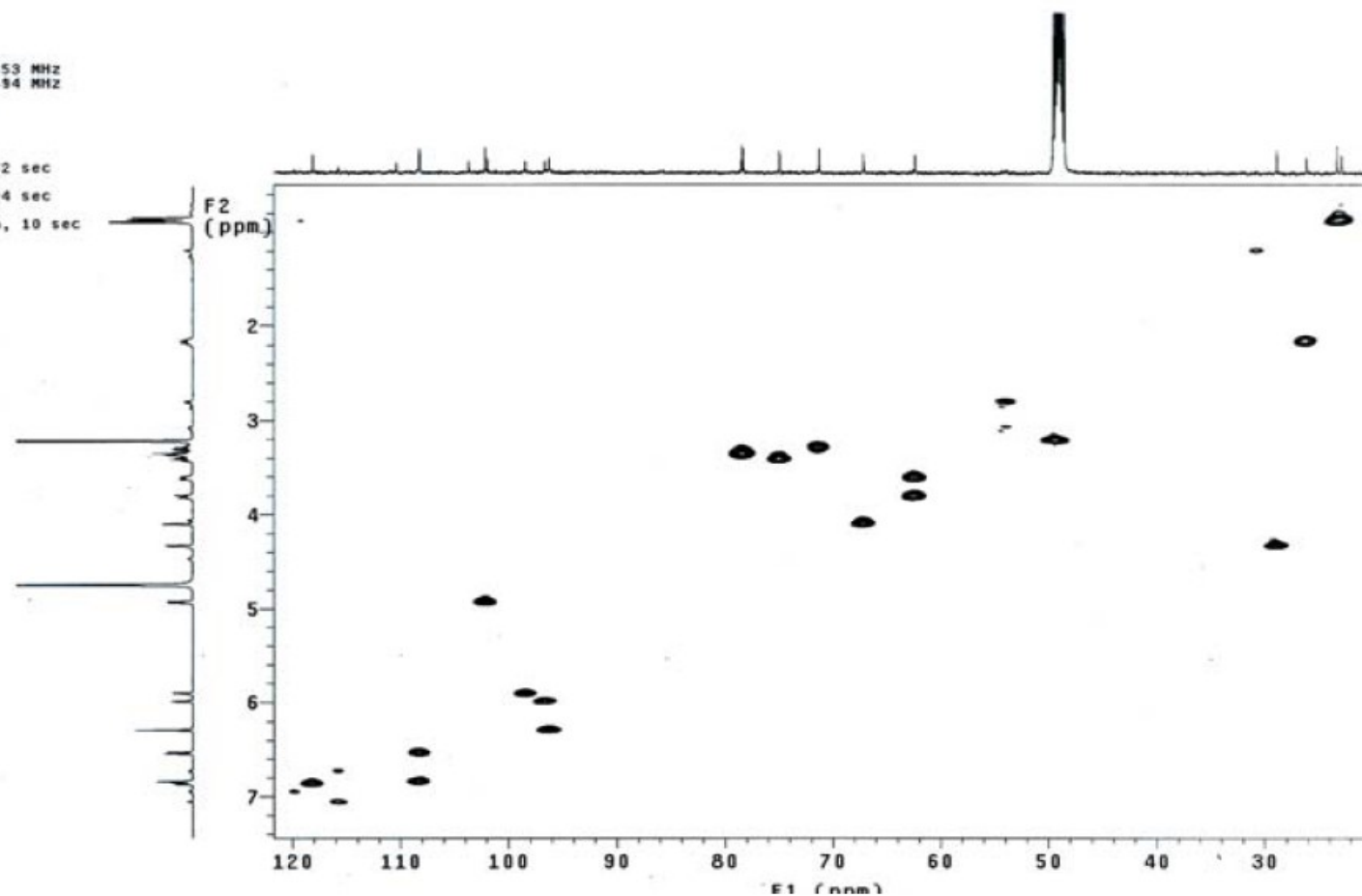


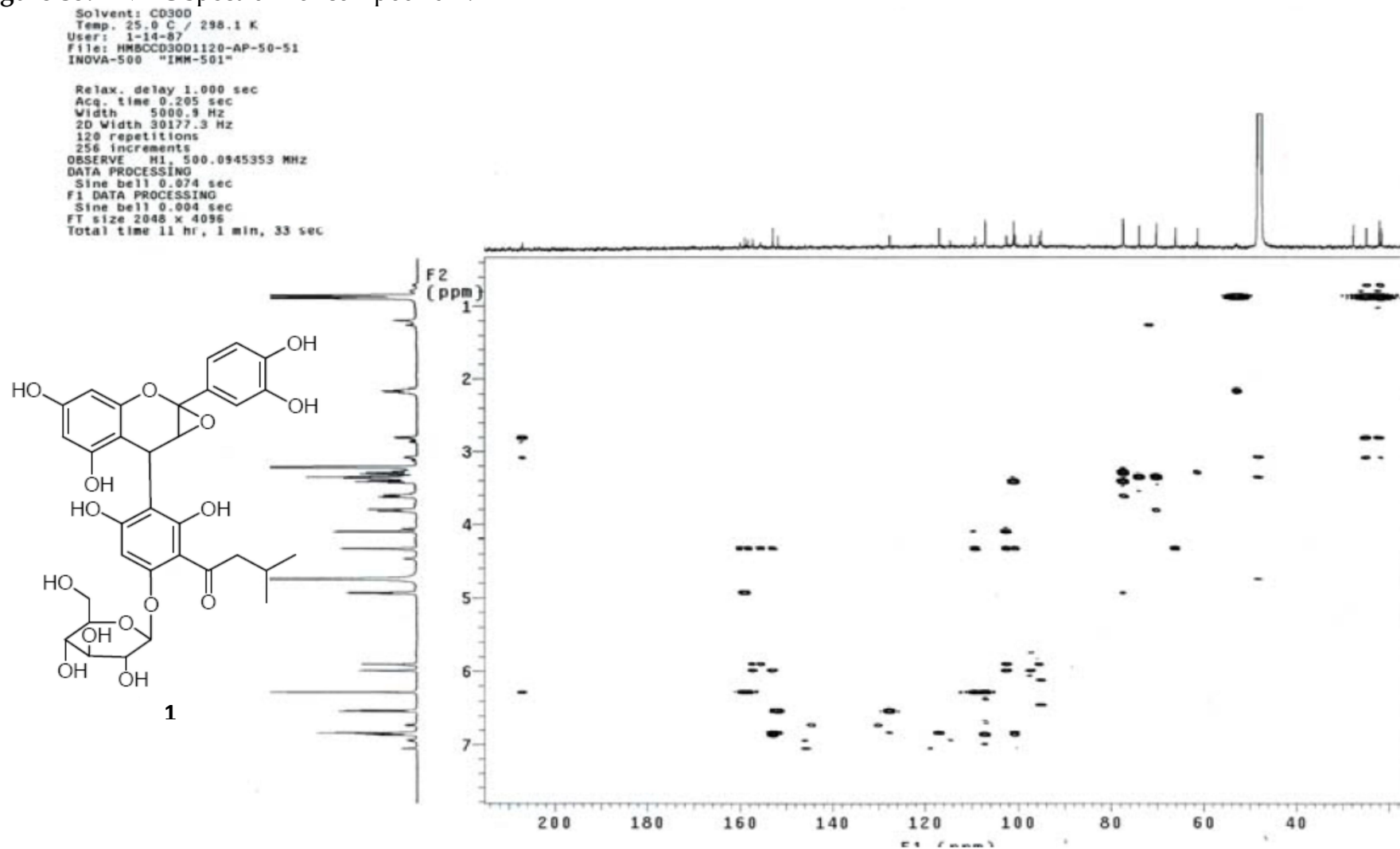
Figure S5. HMBC spectrum of compound 1.

Figure S6. IR spectrum of compound 2.

Note:

日期: 星期五 3 月 21 (Date:
Friday Mar. 21)显微镜透射法 (Microscope
Transmission Method)

扫描次数(Scan times)

分辨率(Resolution)

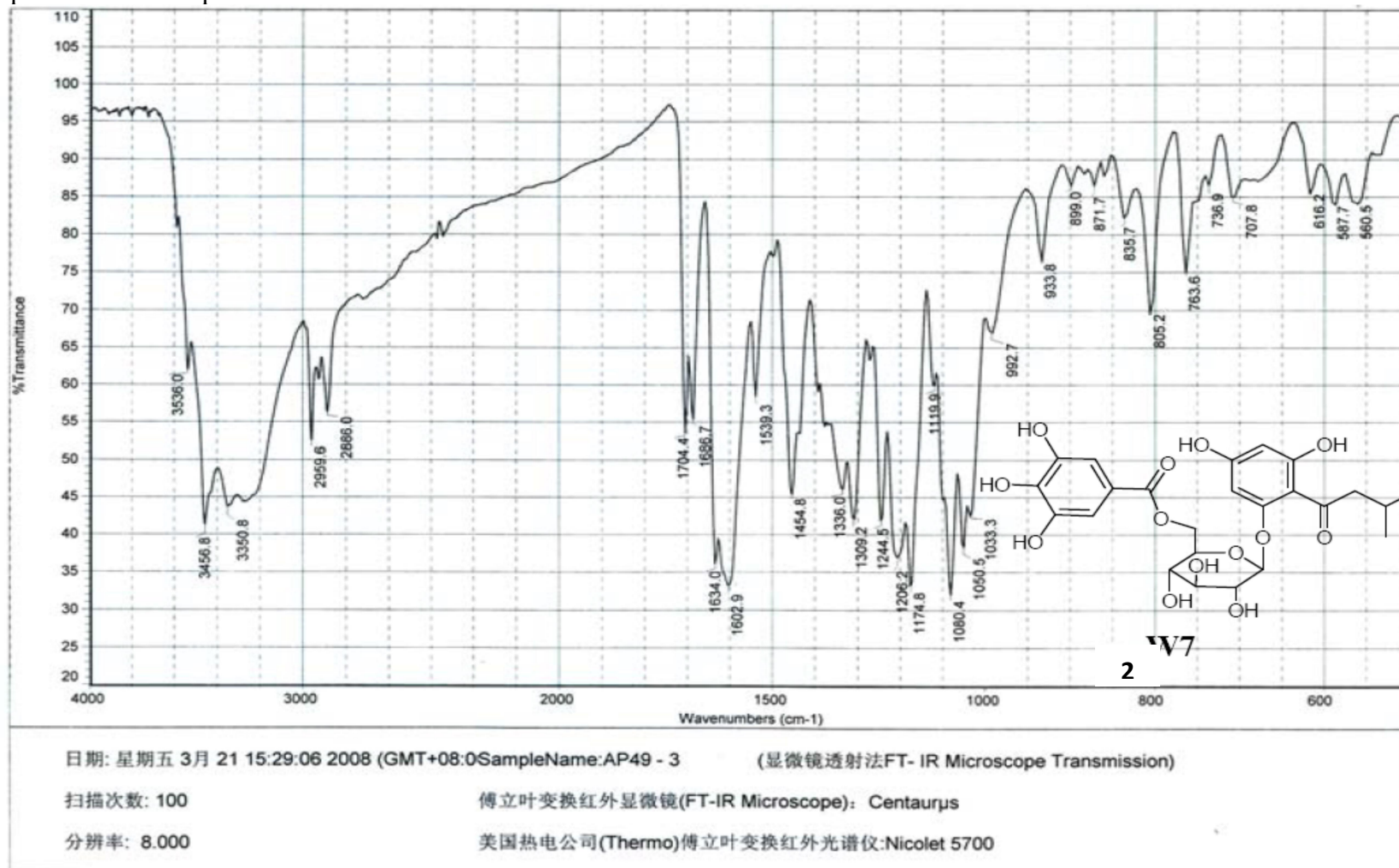
傅立叶变换红外光谱仪(Fourier
Transform Infrared Spectrometer)

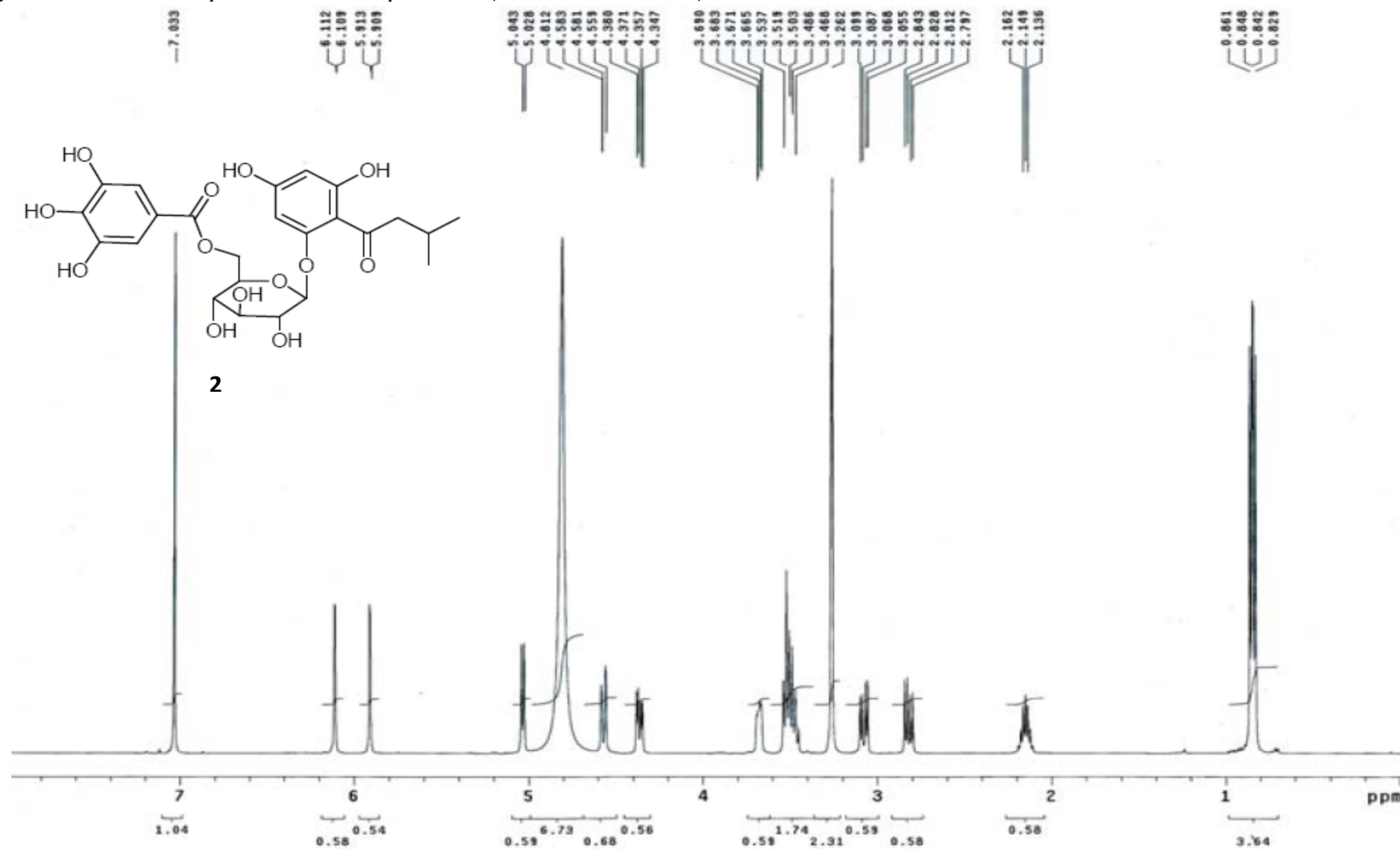
Figure S7. ^1H -NMR spectrum of compound **2** (500 MHz, CD_3OD).

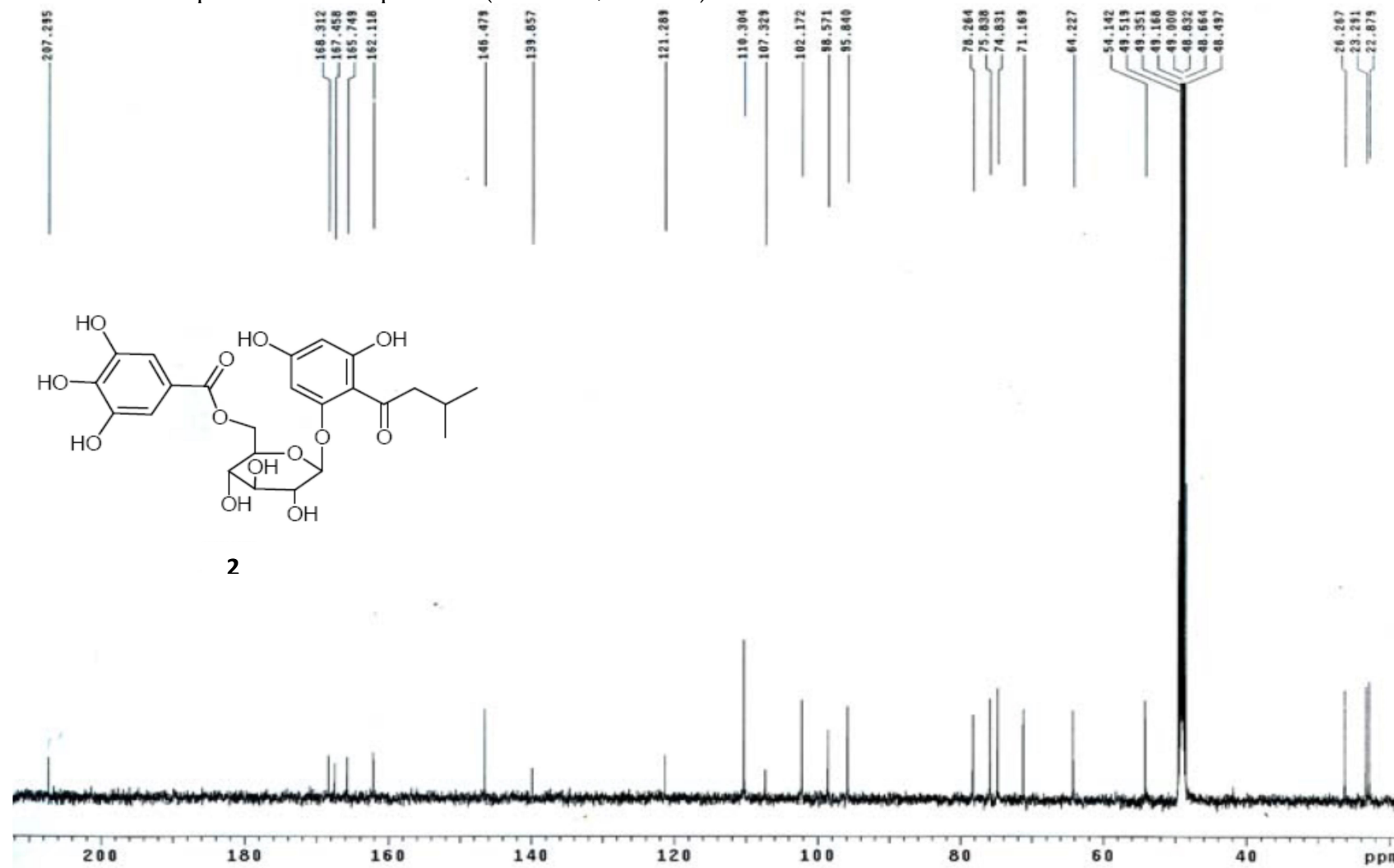
Figure S8. ^{13}C -NMR spectrum of compound **2** (125 MHz, CD_3OD).

Figure S9. HMQC spectrum of compound 2.

Solvent: CD3OD
Temp. 25.0 C / 298.1 K
User: 1-14-87
INOVA-500 "IMM-501"

Relax. delay 1.000 sec
Acq. time 0.240 sec
Width 4269.2 Hz
2D Width 27624.3 Hz
160 repetitions
320 increments
OBSERVE H1, 499.7722052 MHz
DATA PROCESSING
Sine bell 0.059 sec
F1 DATA PROCESSING
Sine bell 0.005 sec
FT size 2048 x 4096
Total time 18 hr, 53 min, 25 sec

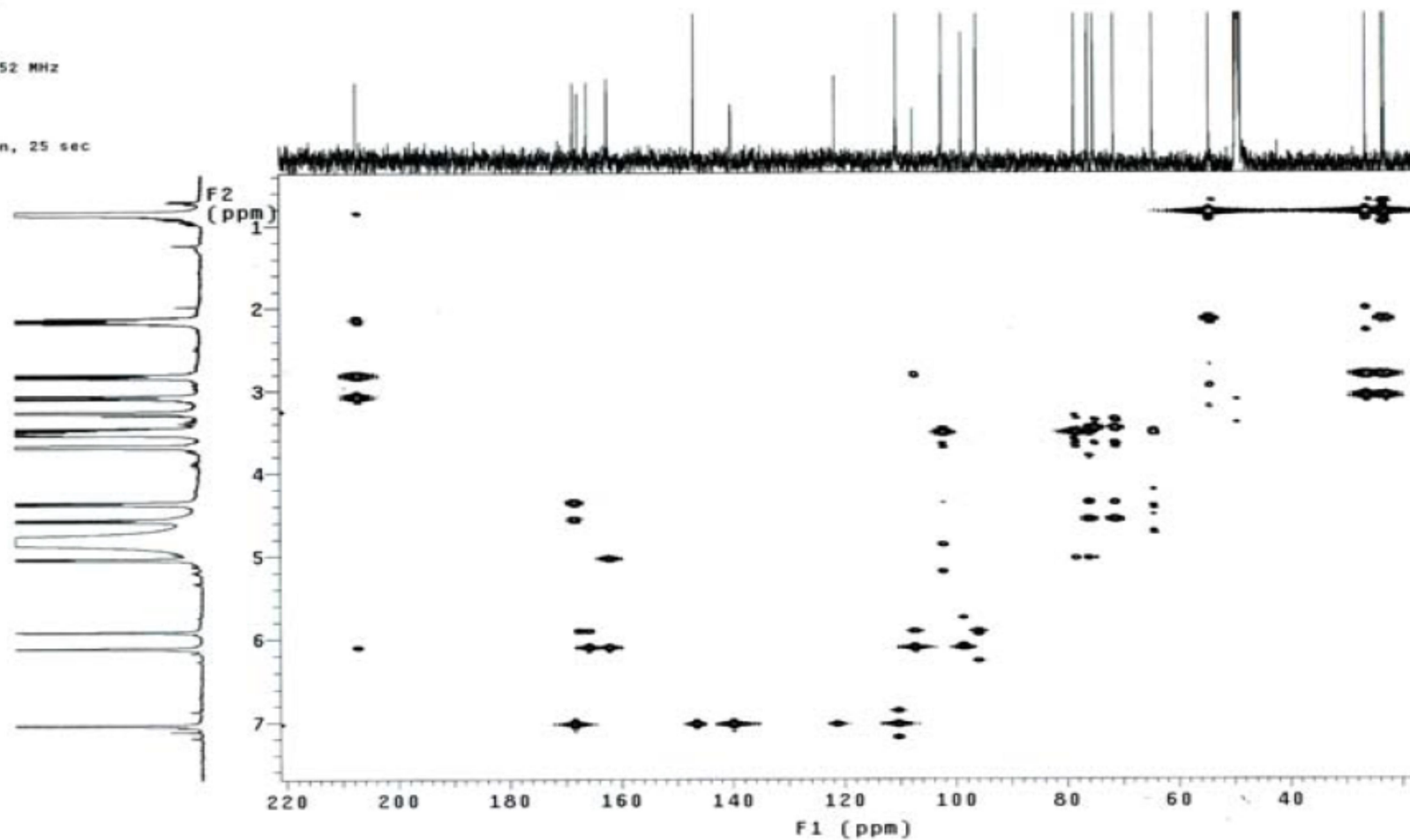


Figure S10. HMBC spectrum of compound 2.

Solvent: CD3OD
Temp. 25.0 C / 298.1 K
User: 1-14-87
INOVA-500 "HM-501"

Relax. delay 1.000 sec
Acq. time 0.240 sec
Width 4269.2 Hz
2D Width 27624.3 Hz
160 repetitions
320 increments
OBSERVE H1, 499.7722052 MHz
DATA PROCESSING
Sine bell 0.059 sec
F1 DATA PROCESSING
Sine bell 0.005 sec
FT size 2048 x 4096
Total time 18 hr, 53 min, 25 sec

