



ภาคผนวก

มหาวิทยาลัยนครพนม

6 mg 13/7/2550

Current Data Parameters
NAME 20070719
EXPNO 1
PROCNO 1

F2 - Acquisition Parameters

Date_ 20070719
Time 17 26
INSTRUM av400
PROBHD 5 mm Multinucl
PULPROG zg30
TD 49688
SOLVENT DMSO
NS 16
DS 0
SWH 8278.146 Hz
FIDRES 0.166670 Hz
AQ 2.9999971 sec
RG 1824.6
DM 60.400 usec
DE 6.00 usec
TE 294.6 K
D1 1.0000000 sec
MCREST 0.0000000 sec
MCWRK 0.0150000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 0.00 dB
SF01 400.1324710 MHz

F2 - Processing parameters

SI 32768
SF 400.1300024 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
CY 10.00 cm
F1P 14 000 ppm
F1 5601.02 Hz
F2P 0.000 ppm
F2 0.00 Hz
PPMCM 0.70000 ppm/cm
HZCM 280.09100 Hz/cm

2.4958
2.5001
2.5044
2.5350
2.5745
2.5902
2.3218

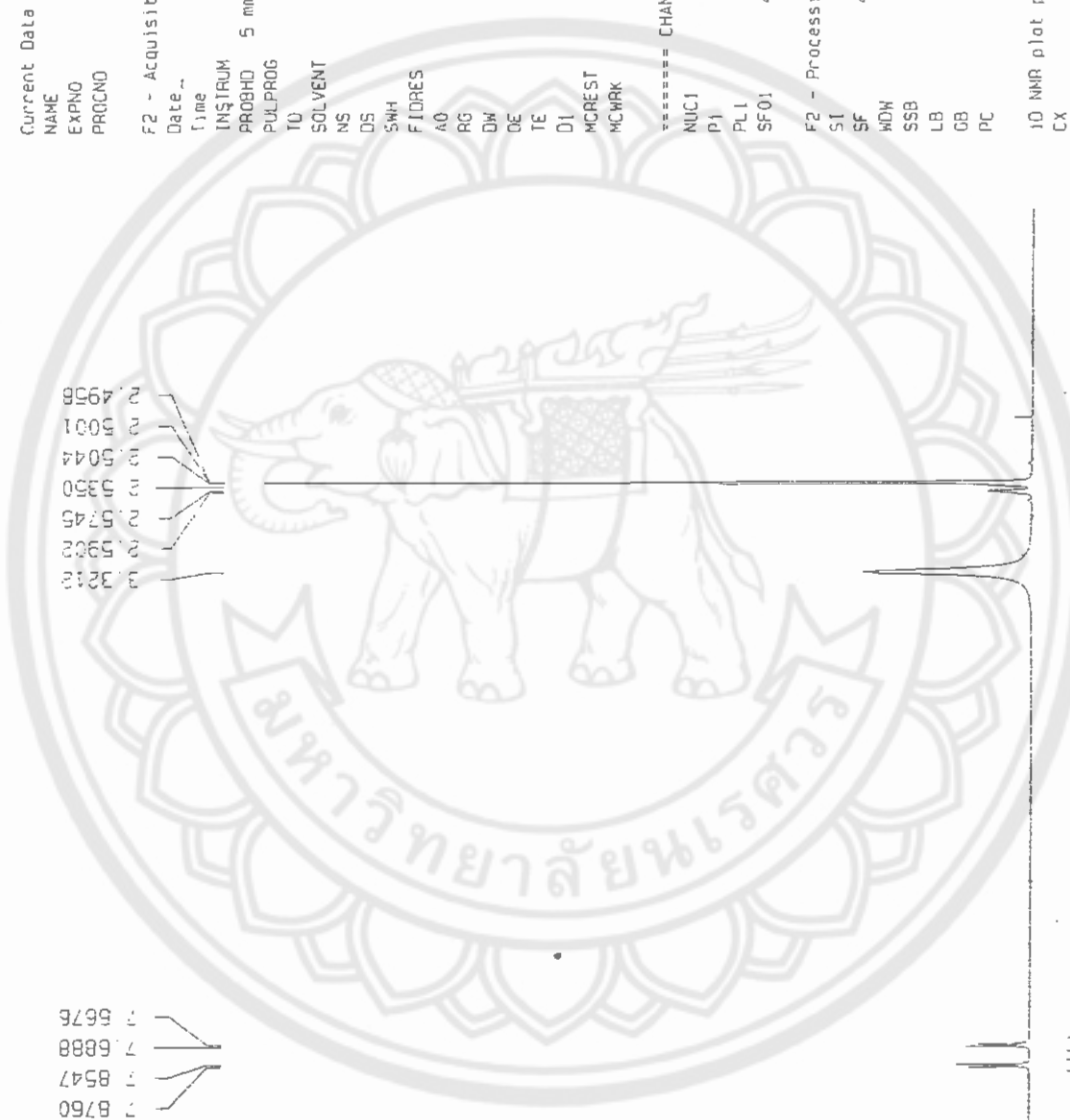
7.8760
7.8547
7.6888
7.6676

10.3076

1.9684
0.6525

1.9449
1.9570

1.0000



1b in DMSO-d6 weight 7 mg 5/10/2550

Current Data Parameters
NAME 20071005
EXPNO 8
PROCNO 1

F2 Acquisition Parameters
Date_ 20071005
Time 11 17

INSTRUM av400
PROBHD 5 mm Multiruc1
PULPROG zgpg30
TD 65536
SOLVENT DMSO

NS 16
DS 0
SWH 8278.146 Hz
FIDRES 0.125002 Hz
AQ 3.999795 sec

RG 362
OR 60.400 usec
DE 6.00 usec
TE 296.1 K

QT 1.00000000 sec
MCREST 0.00000000 sec
MCHRG 0.01500000 sec

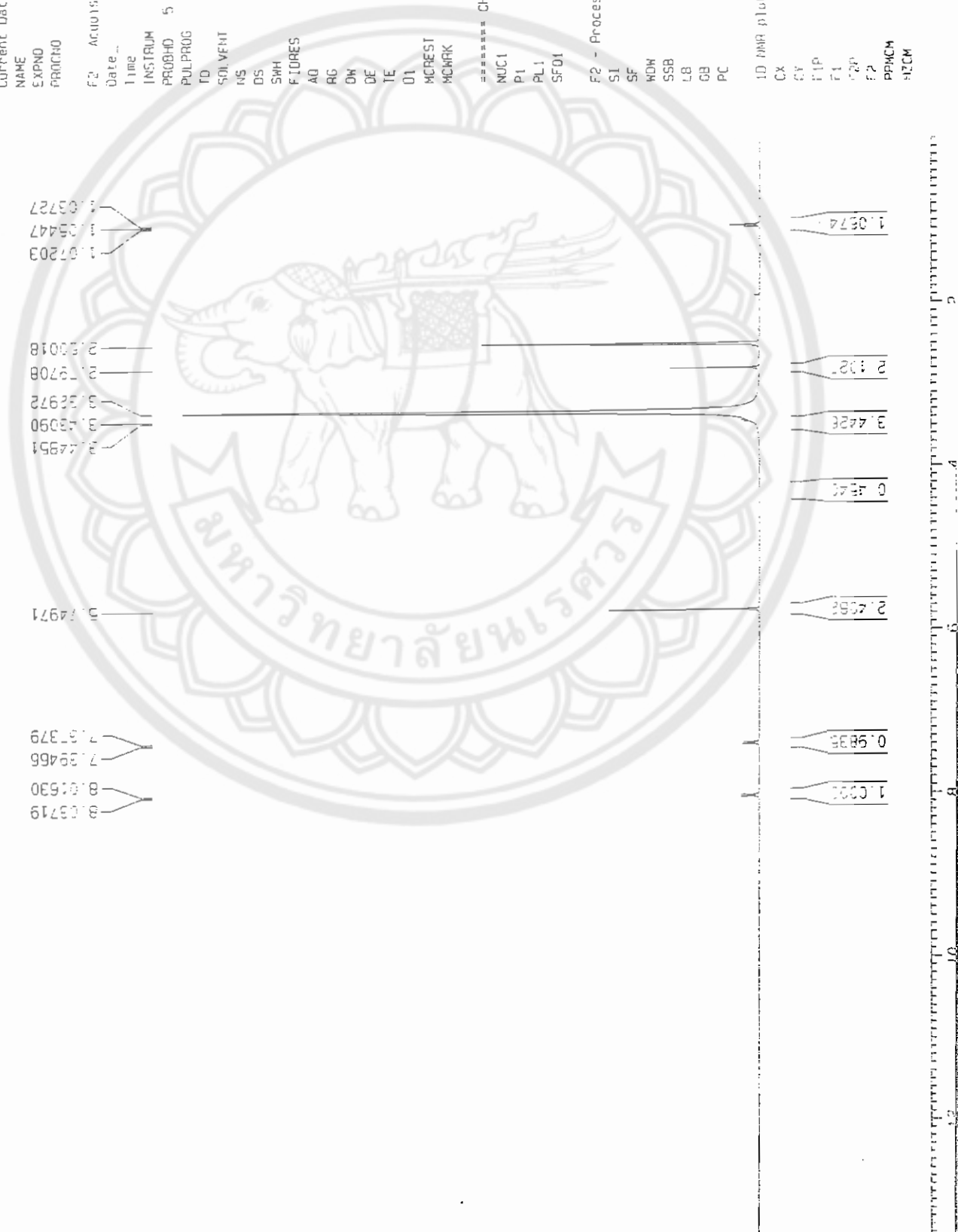
***** CHANNEL f1 *****
NUC1 1H
P1 7.50 usec
PL1 0.00 dB
SFO1 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300024 MHz
WDW EM
SSB 0
GB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
CY 10.00 cm
FIP 14.000 ppm
F1 5001.07 Hz
F2 0.000 ppm
F3 0.000 Hz
PPHMC 0.70000 ppm/cm
HZCM 200.09100 Hz/cm

8.03719
8.04530
7.99466
7.97379
5.74971
3.44951
3.43090
3.38972
2.19708
2.18018
1.07203
1.05447
1.03727

1.03727
0.9838
2.4582
0.4540
3.4428
2.1827
1.0574



2a in DMSO-d6 Weight 4 mg 5/10/2550

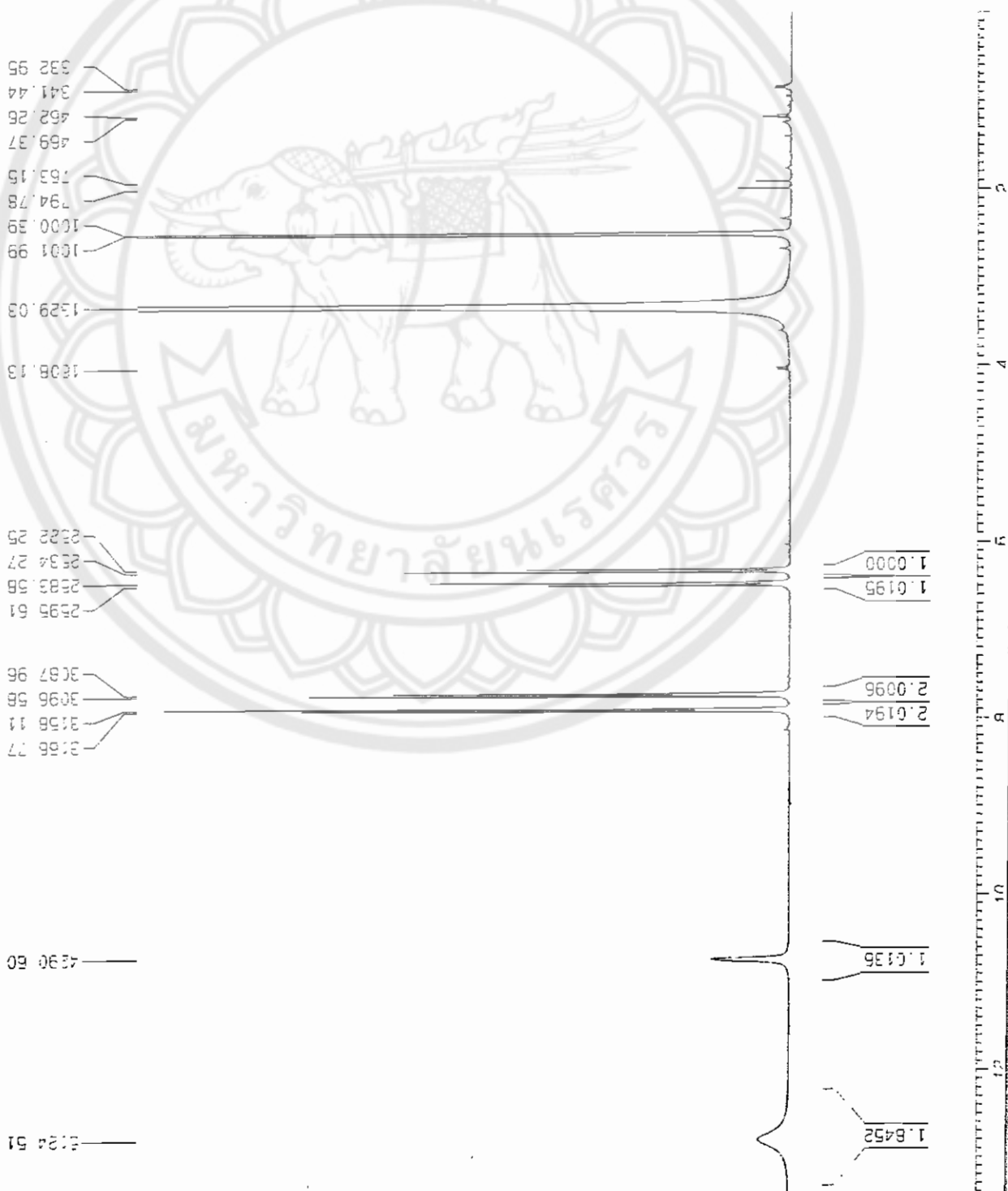
Current Data Parameters
 NAME 20071005
 EXPNO 7
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20071005
 Time 11.11
 INSTRUM av400
 PROBHD 5 mm Multinucl
 PULPROG zg30
 TD 66224
 SOLVENT DMSO
 NS 16
 DS 0
 SNR B27B 146 Hz
 FIDRES 0.125002 Hz
 AQ 3.9999795 sec
 RG 406.4
 DW 60.400 usec
 DE 6.00 usec
 TE 296.1 K
 D1 1.00000000 sec
 MCN1 0.00000000 sec
 MCN2 0.01500000 sec

----- CHANNEL f1 -----
 NUC1 1H
 P1 7.50 usec
 PL1 0.00 dB
 SFO1 400.1324710 MHz

F2 - Processing parameters
 SI 32768
 SF 400.1300024 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 UB 0
 PC 1.00

ID INH plot parameters
 CX 20.00 cm
 CY 50.00 cm
 F1P 14.000 ppm
 F1 5601.82 Hz
 F2P 0.000 ppm
 F2 0.00 Hz
 PPMCM 0.70000 ppm/cm
 HZCM 280.09100 Hz/cm



3a in DMSO

```

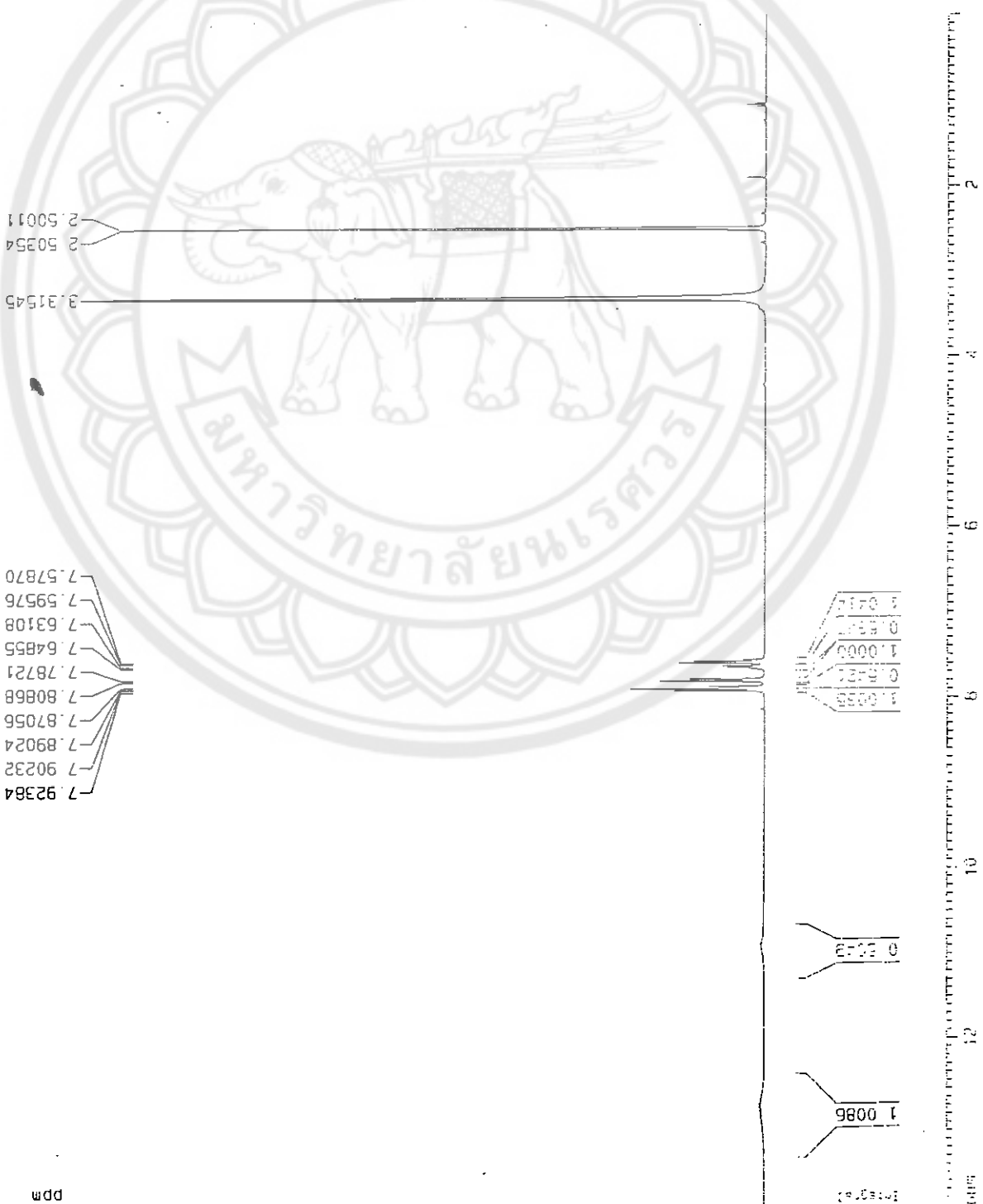
Current Data Parameters
NAME      20071205-2
EXPNO    6
PROCNO   1

F2 - Acquisition Parameters
Date_    20071205
Time     14.24
INSTRUM  av400
PROBHD   5 mm Multinucl
PULPROG  zg30
TD        49668
SOLVENT  DMSO
NS        16
DS        0
SWH       8278.146 Hz
FIDRES    0.166670 Hz
AQ         2.9999971 sec
RG         574.7
DM         60.400 usec
DE         6.00 usec
TE         295.5 K
MCREST    1.00000000 sec
MCWRRX    0.01500000 sec

===== CHANNEL f1 =====
NUC1      1H
P1         7.60 usec
PL1        0.00 dB
SF01      400.1324710 MHz

F2 - Processing parameters
SI         32768
SF         400.1300029 MHz
WDW        EM
SSB         0
LB         0.30 Hz
GB         0
PC         1.00

1D NMR plot parameters
CX         20.00 cm
CY         15.00 cm
F1P        14.000 ppm
F1          5601.82 Hz
F2P         0.000 ppm
F2          0.00 Hz
PPMCH      0.70000 ppm/cm
HZCH       280.09100 Hz/cm
    
```



ppm

DE 10 Methanol-d1

Current Data Parameters
NAME 20071205-2
EXPNO 4
PROCNO 1

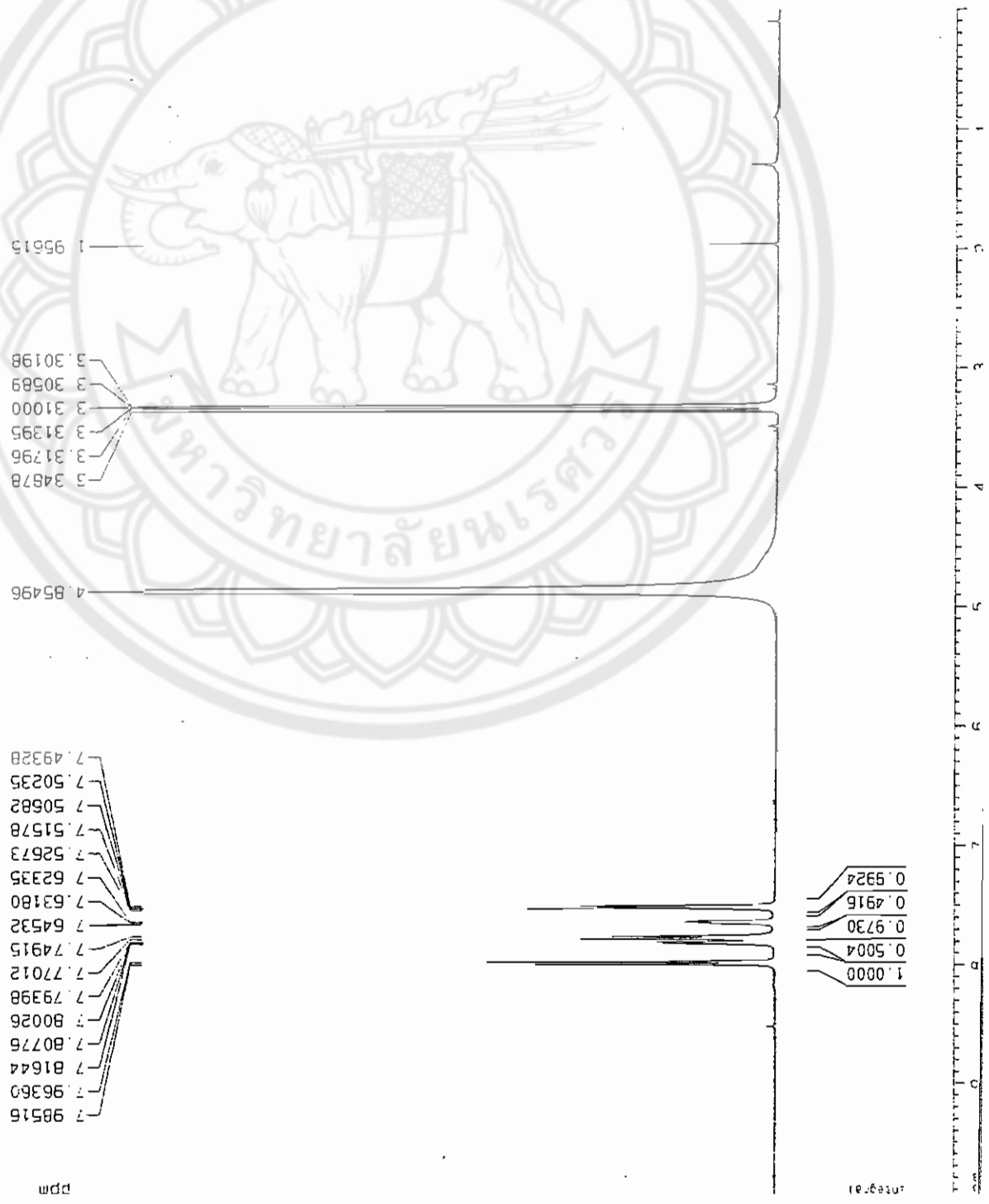
F2 - Acquisition Parameters

Date_ 20071205
Time 14 09
INSTRUM av400
PROBHD 5 mm Multinucl
PULPROG zg30
TO 49566
SOLVENT MeOD
NS 16
DS 0
SWH 8278.146 Hz
FIDRES 0.166670 Hz
AQ 2.9999971 sec
RG 322.5
DW 60.400 usec
DE 6.00 usec
TE 295.5 K
D1 1.00000000 sec
MCREST 0.00000000 sec
MCWRK 0.01500000 sec

==== CHANNEL f1 =====
NUC1 1H
P1 7.60 usec
PL1 0.00 dB
SF01 400.1324710 MHz

F2 - Processing parameters
SI 32768
SF 400.1300074 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR plot parameters
CX 20.00 cm
CY 150.00 cm
F1P 10.000 ppm
F1 4001.30 Hz
F2P 0.000 ppm
F2 0.00 Hz
PPMCH 0.50000 ppm/cm
MZCH 200.06500 Hz/cm



7.98516
7.96360
7.81644
7.80776
7.80026
7.79398
7.77012
7.74915
7.74532
7.64532
7.63180
7.62335
7.52673
7.51578
7.50682
7.50235
7.49328

5.34878
5.31796
5.31395
5.31000
5.30589
5.30198
4.85496
1.95615

1.0000
0.5004
0.9730
0.4916
0.9924

4.0 ml UMSU weight 5 mg 28/1/2551

Current Data Parameters
 NAME 20080128
 EXPNO 9
 PROCNO 1

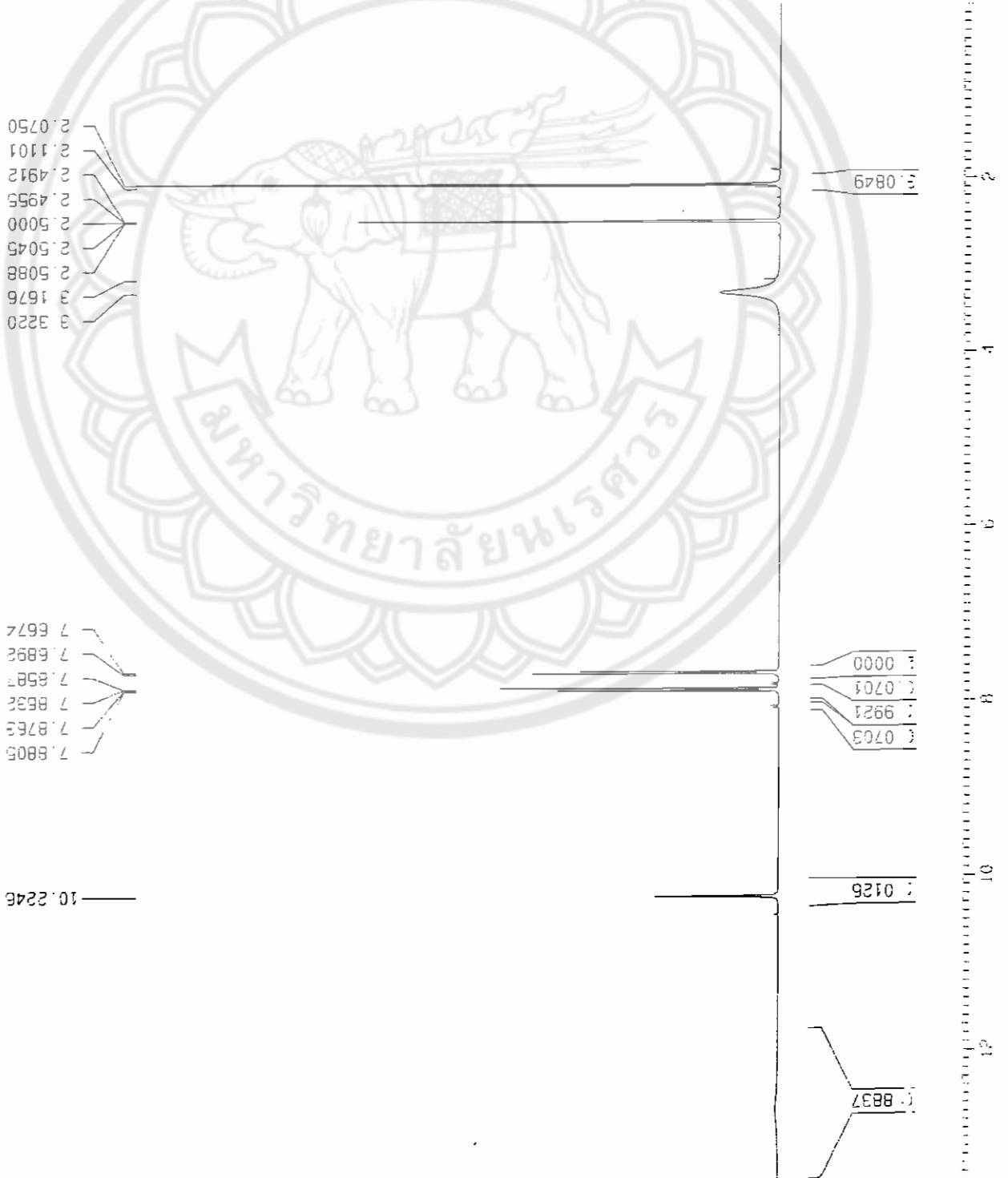
F2 - Acquisition Parameters

Date_ 20080128
 Time 17.09
 INSTRUM av400
 PROBHD 5 mm Multinucl
 PULPROG zg30
 TO 49668
 SOLVENT UMSU
 NS 16
 DS 0
 SWH 8278.146 Hz
 FIDRES 0.166670 Hz
 AQ 2.9999971 sec
 RG 574.7
 DR 60.400 usec
 DE 6.00 usec
 TE 295.0 K
 D1 1.00000000 sec
 MCREST 0.00000000 sec
 MCMRK 0 01500000 sec

***** CHANNEL f1 *****
 NUC1 1H
 P1 7.00 usec
 PL1 0.00 dB
 SF1 400.1324710 MHz

F2 - Processing Parameters
 S1 32768
 SF 400.1300029 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

10 NMR plot parameters
 CX 20.00 cm
 CY 15.00 cm
 F1P 14.000 ppm
 F1 5601.82 Hz
 F2P 0.000 ppm
 F2 0.00 Hz
 PPMCH 0 70000 ppm/cm
 HzCM 280.09100 Hz/cm



5a in DMSO

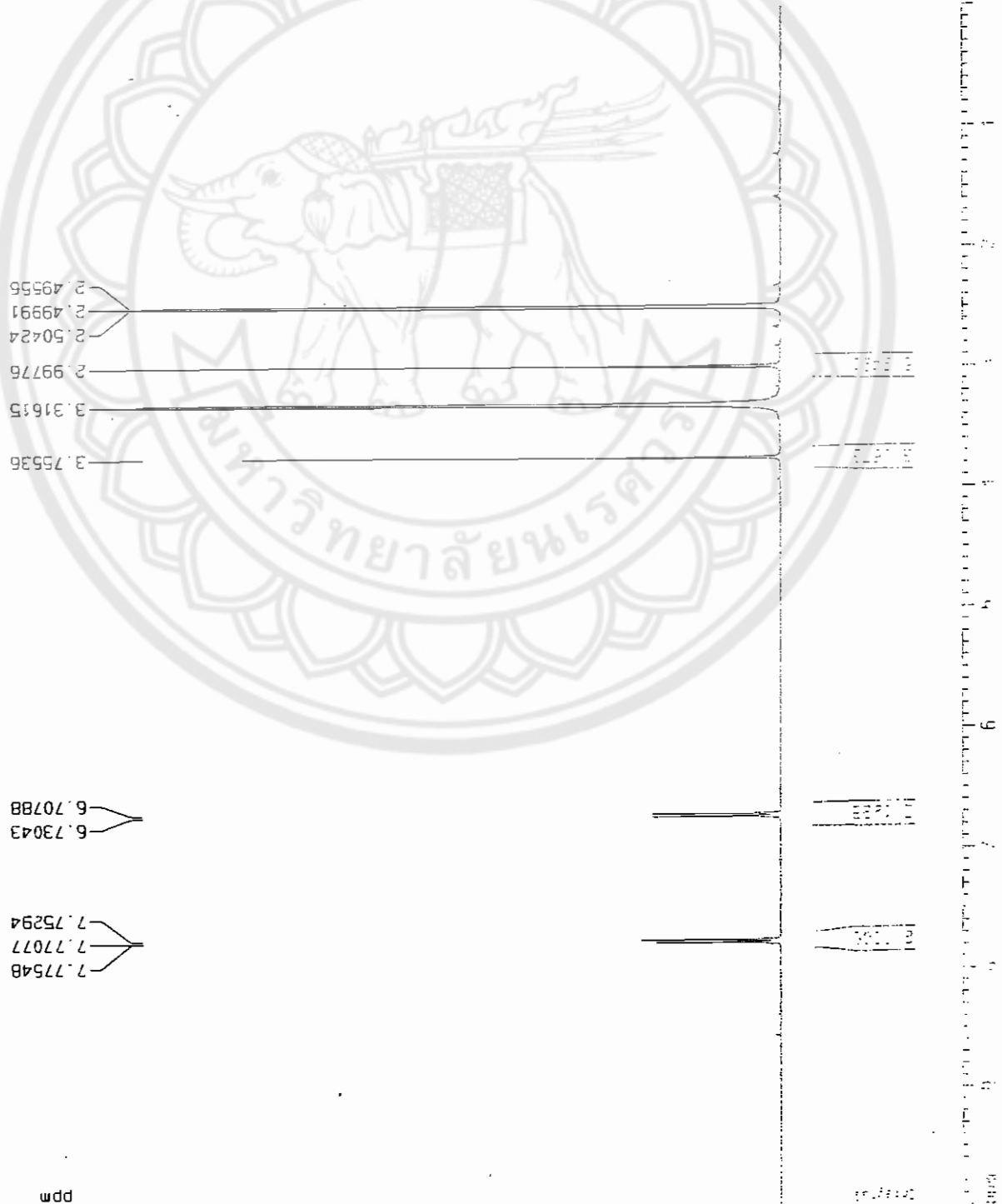
Current Data Parameters
NAME 20071205-2
EXPNO 7
PROCNO 1

F2 - Acquisition Parameters

Date_ 20071205
Time 14.26
INSTRUM av400
PROBHD 5 mm Multinucl
PULPROG zg30
TD 49668
SOLVENT DMSO
NS 16
DS 0
SHY 8278.146 Hz
FIDRES 0.166670 Hz
AQ 2.9999971 sec
RG 574.7
DH 60.400 usec
DE 6.00 usec
TE 295.4 K
D1 1.00000000 sec
MCREST 0.00000000 s/c
MCWPRK 0.01500000 sec

***** CHANNEL f1 *****
NUC1 1H
P1 7.60 usec
PL1 0.00 dB
SFO1 400.1324710 MHz
F2 - Processing parameters
SI 32768
CF 400.1300031 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

H1 NMR plot parameters
EX 29.999 Hz
SI 32768
F1 400.1300031 MHz
CF 400.1300031 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00
SFO1 400.1300031 MHz
AQ 2.9999971 sec



60. in DMSO weight 5 mg 28/1/2551

Current Data Parameters
NAME 20080128
EXPNO 8
PROCNO 1

F2 - Acquisition Parameters
Date_ 20080128
Time 15.39
INSTRUM mv400
PROBHD 5 mm Multinuc1
PULPROG zg30
TD 49668
SOLVENT DMSO
NS 16
DS 0
SWH 8278.145 Hz
FIDRES 0.166875 Hz
AQ 2.9999971 sec
RG 574.7
HM 60.406 usec
UF 0.00 usec
TE 298.2 K
O1 1.0000000 sec
MTCOFF 0.0000000 sec
MCWPR 0.0150000 sec

===== CHANNEL f1 =====
NUC1 1H
P1 7.60 usec
PL1 0.00 dB
SFO1 400.132410 MHz

F2 - Processing Parameters
SI 32768
SF 400.1300293 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

1D NMR Plot Parameters
CX 20.00 cm
CY 15.00 cm
F1P 10.000 ppm
F1 4001.30 Hz
F2P 0.000 ppm
F2 0.00 Hz
PPMCM 0.50000 ppm/cm
HZCM 200.06500 Hz/cm

