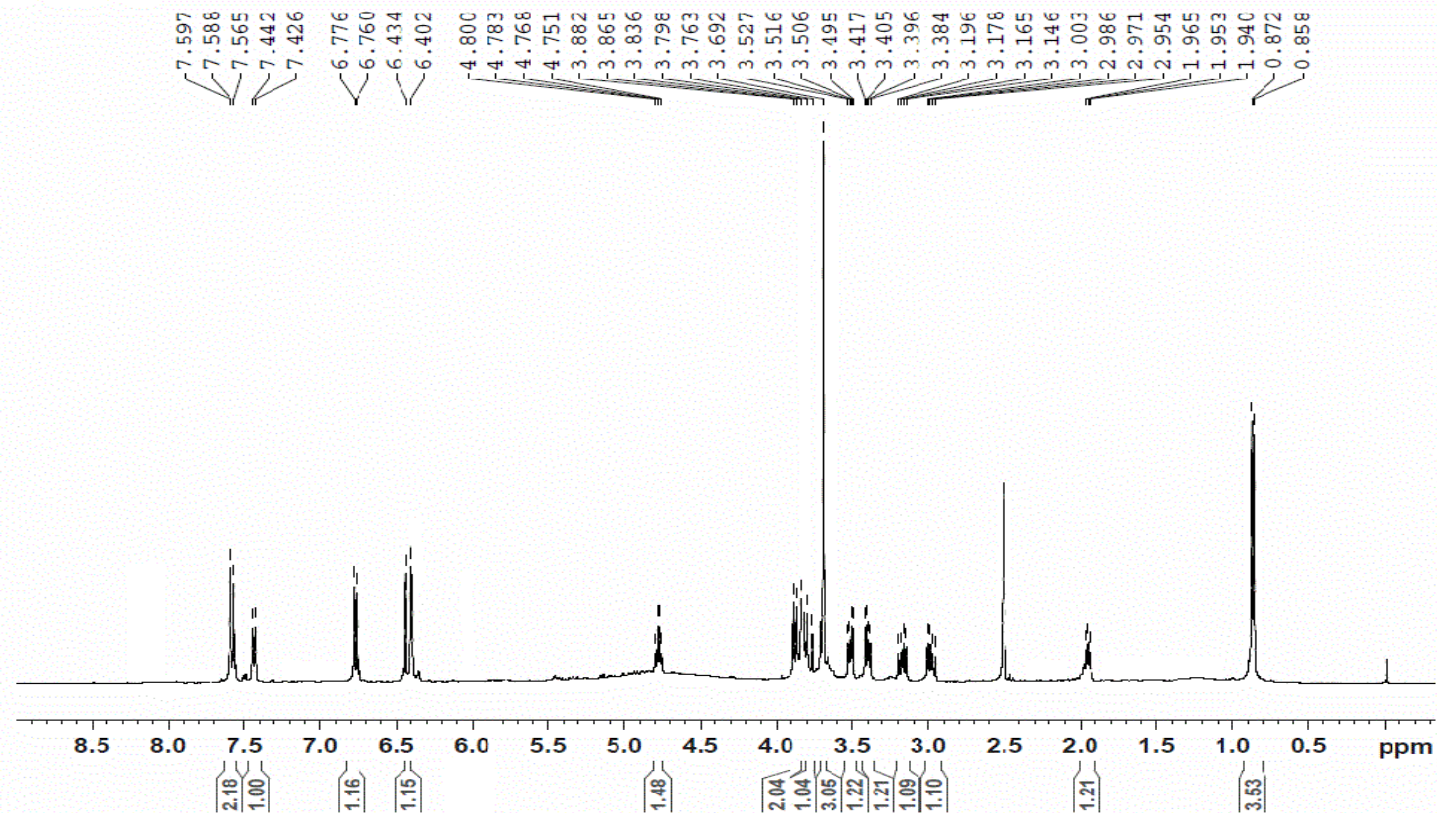


18070802
huangse-2
in dmsO 1H



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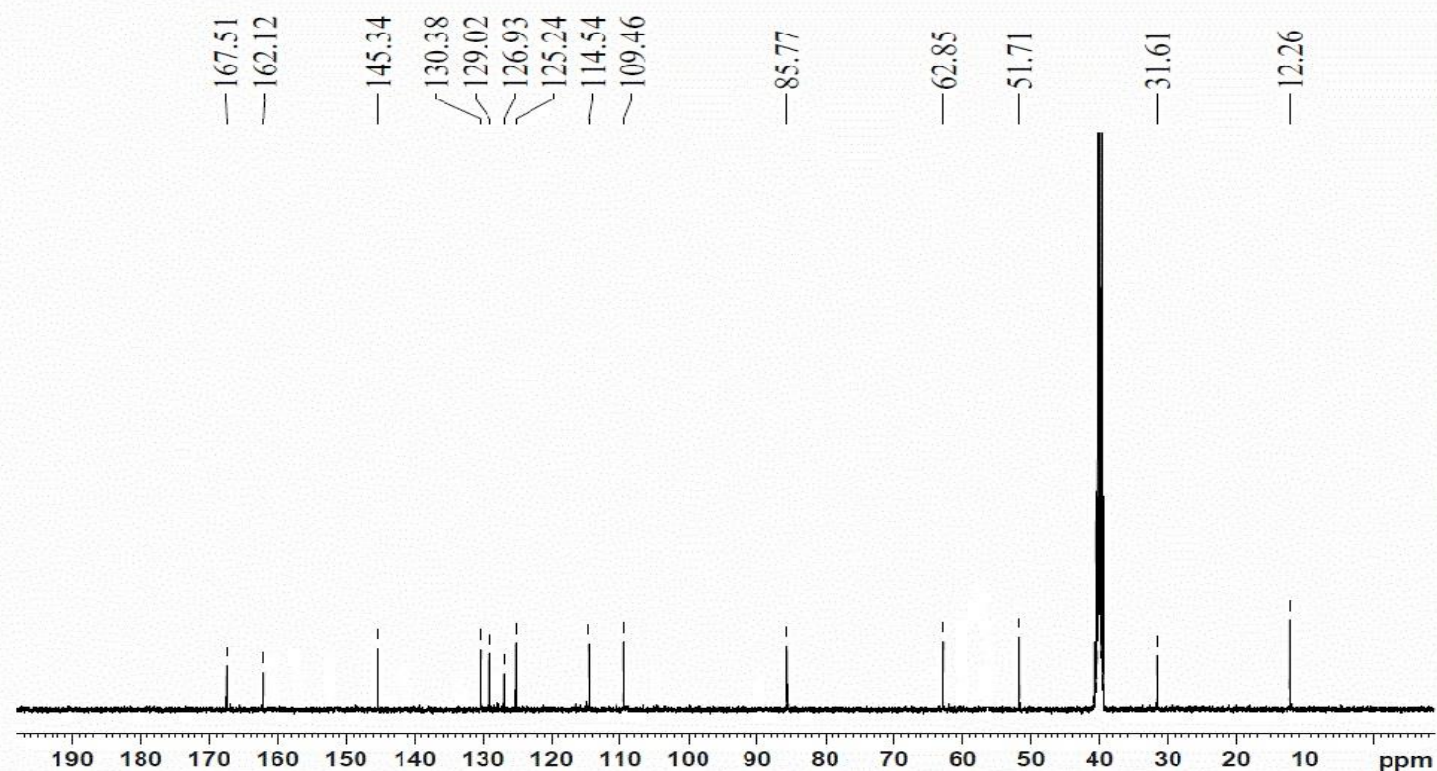
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PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 10000.000 Hz
FIDRES 0.152588 Hz
AQ 2.375799 sec
RG 62.56
DW 50.000 usec
DE 6.50 usec
TE 292.6 K
D1 1.00000000 sec
TDO 1

----- CHANNEL F1 -----
NUC1 1H
P1 11.25 usec
PL1 14.00000000 W

F2 - Processing parameters
SI 65536
SF 500.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

Figure S1. ¹H-NMR spectra of compound 4

18070802
 huangse-2
 in dmsO C13CPD



BRUKER

Current Data Parameters
 NAME 18070802
 EXPNO 2
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20180708
 Time 10.03
 INSTRUM spect
 PULPROG zgpg30
 TD 65536
 SOLVENT DMSO
 NS 512
 DS 4
 SWH 29741.904 Hz
 FIDRES 0.404131 Hz
 AQ 1.1010043 sec
 RG 193.01
 DM 16.800 usec
 DE 6.50 usec
 TE 293.2 K
 D1 4.0000000 sec
 T2 0.0000000 sec
 T20 100

----- CHANNEL F1 -----
 SFO1 125.770464 MHz
 NUC1 13C
 P1 9.50 usec
 PLW1 75.0000000 W

----- CHANNEL F2 -----
 SFO2 500.132000 MHz
 NUC2 1H
 P2 14.0000000 usec
 PLW2 14.0000000 W
 PLW3 0.29435000 W

F2 - Processing parameters
 SI 32768
 SF 125.757788 MHz
 WDM RM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.43

Figure S2. ^{13}C -NMR spectra of compound **4**

18070802
huangse-2
in dmsd HSQCRTGPSTSP

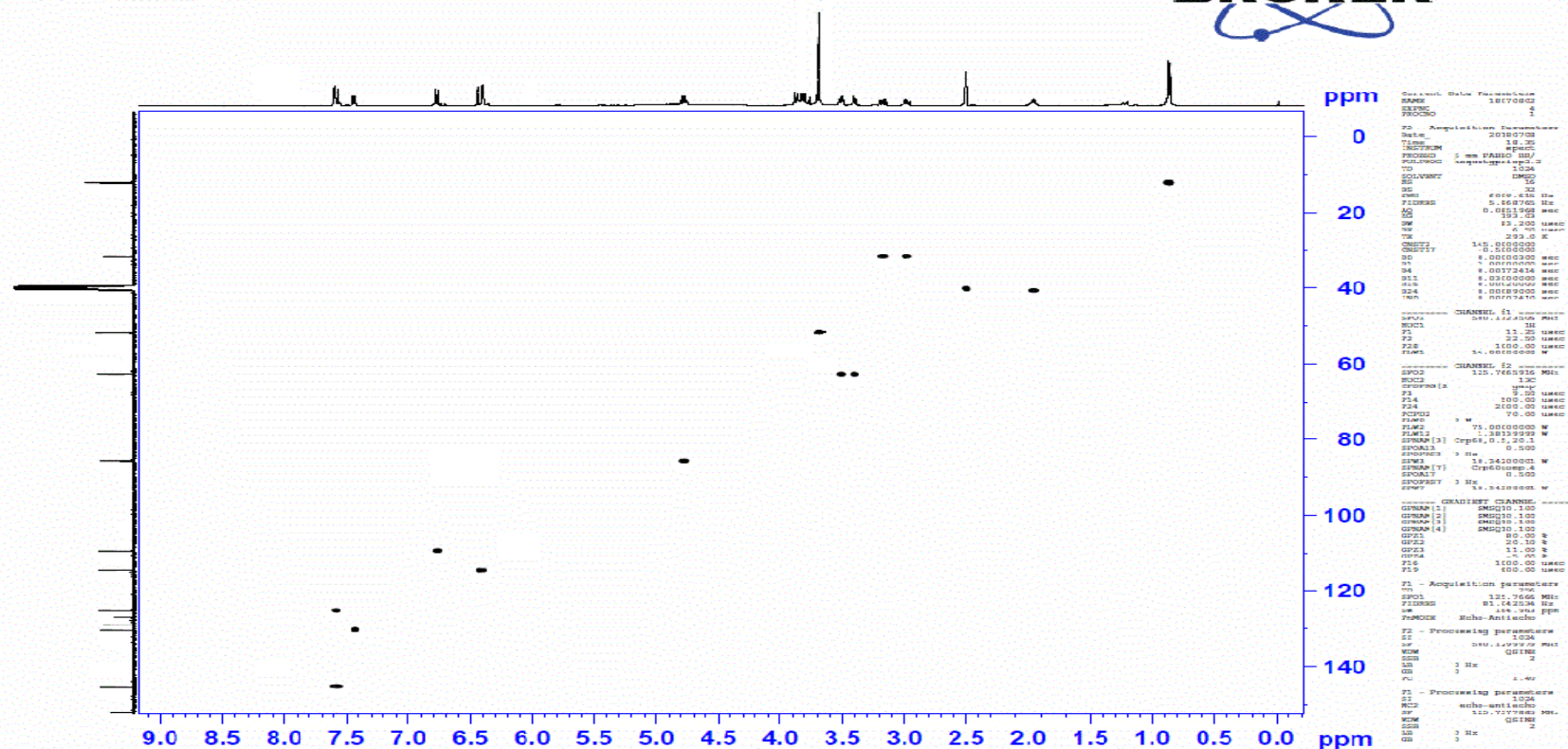


Figure S3. HSQC spectra of compound 4

18070802
huangse-2
in dmsc HMBCGPND

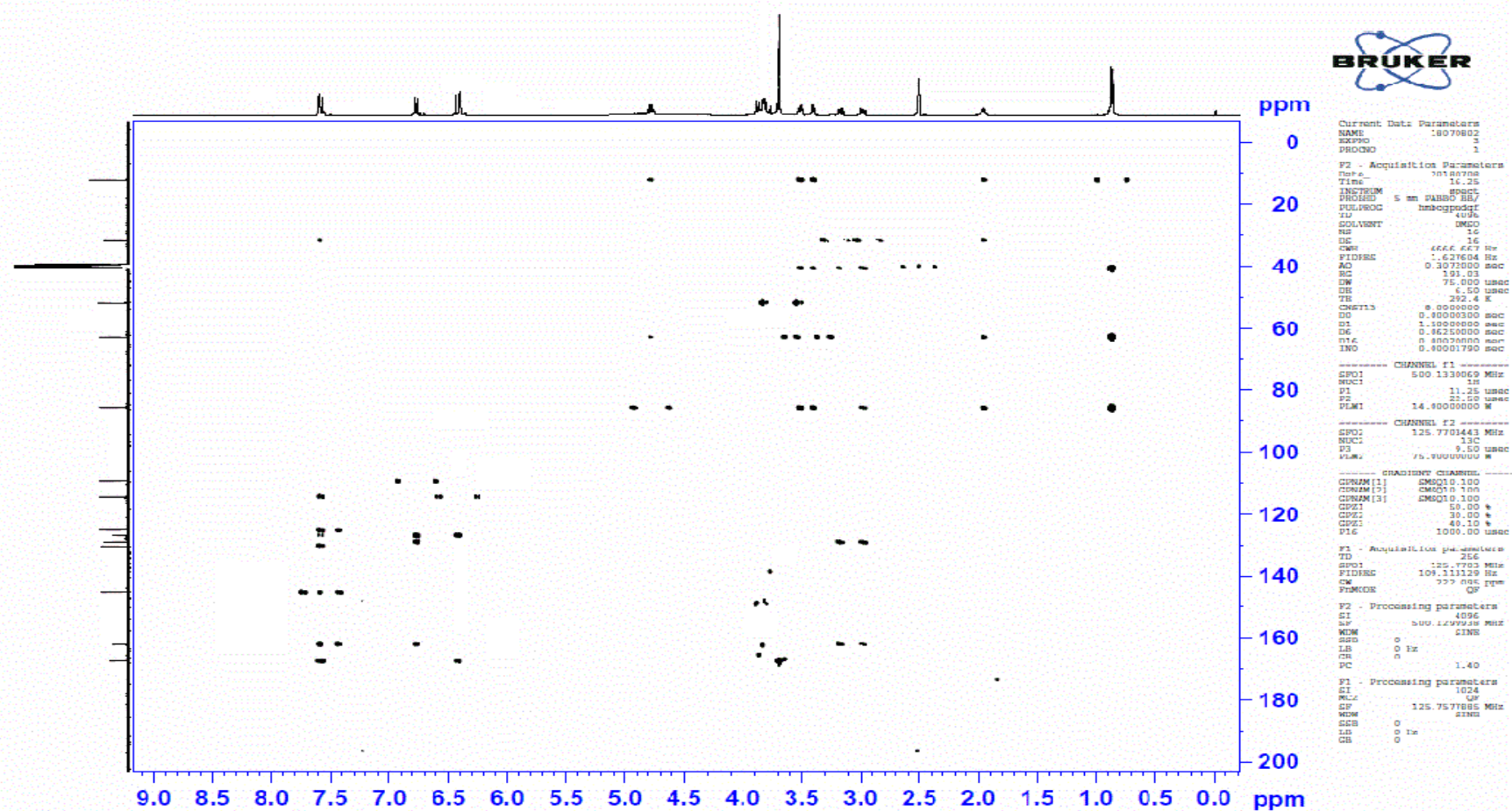
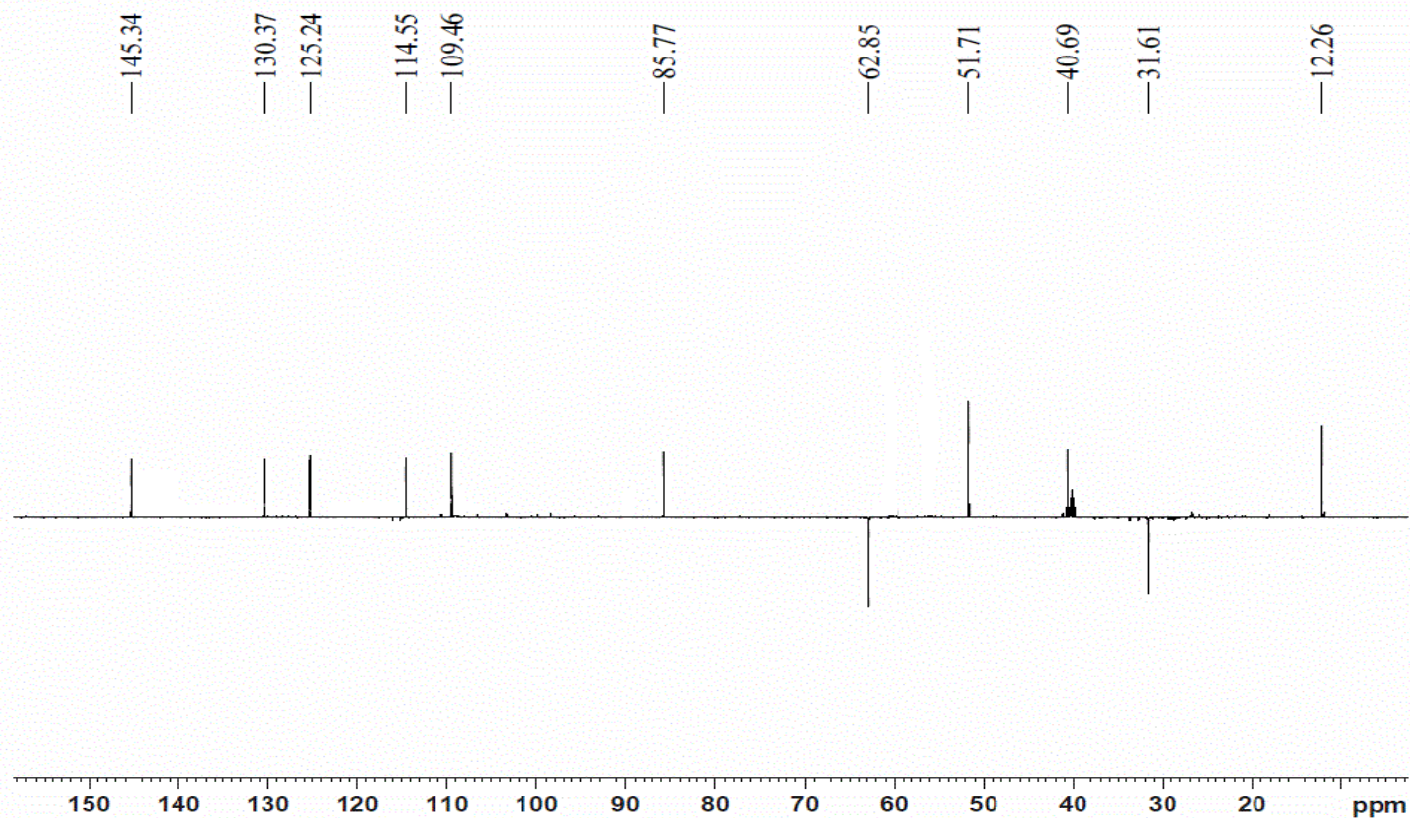


Figure S4. HMBC spectra of compound 4

18070802
huangse-2
in dmsO C13DEPT135



Current Data Parameters
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EXPNO 1
PROCNO 1

F2 - Acquisition Parameters
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Time 22.18
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT DMSO
NS 6400
DS 4
SWH 20161.293 Hz
FIDRES 0.307637 Hz
AQ 1.6252928 sec
RG 133.00
DW 24.800 usec
DE 6.50 usec
TE 300.2 K
CNS2 145.0000000
D1 4.0000000 sec
D2 0.00344828 sec
D12 0.0000200 sec
TD0 1.00

----- CHANNEL f1 -----
SFO1 125.767848 MHz
NUC1 13C
P1 9.50 usec
PL1 0 dB
PLW0 0 W
PLW1 75.0000000 W
SPNAM[S] Crp60comp.4
SFOALS 0 Hz
SFOFFS 0 Hz
CPWG 10.34200003 W

----- CHANNEL f2 -----
SFO2 500.1315998 MHz
NUC2 1H
CPOPR3[2] waltz16
P3 11.60 usec
PL3 0 dB
PCPD2 80.00 usec
PLW2 14.0000000 W
PLW3 0.39426000 W

F2 - Processing parameters
SI 32768
SF 125.7577888 MHz
WDW EM
SFB 0
LW 1.00 Hz
GB 0
PC 1.40

Fig. S5 DEPT spectrum of compound 4

18070802
huangse-2
in dms0 COSYGPMFSW

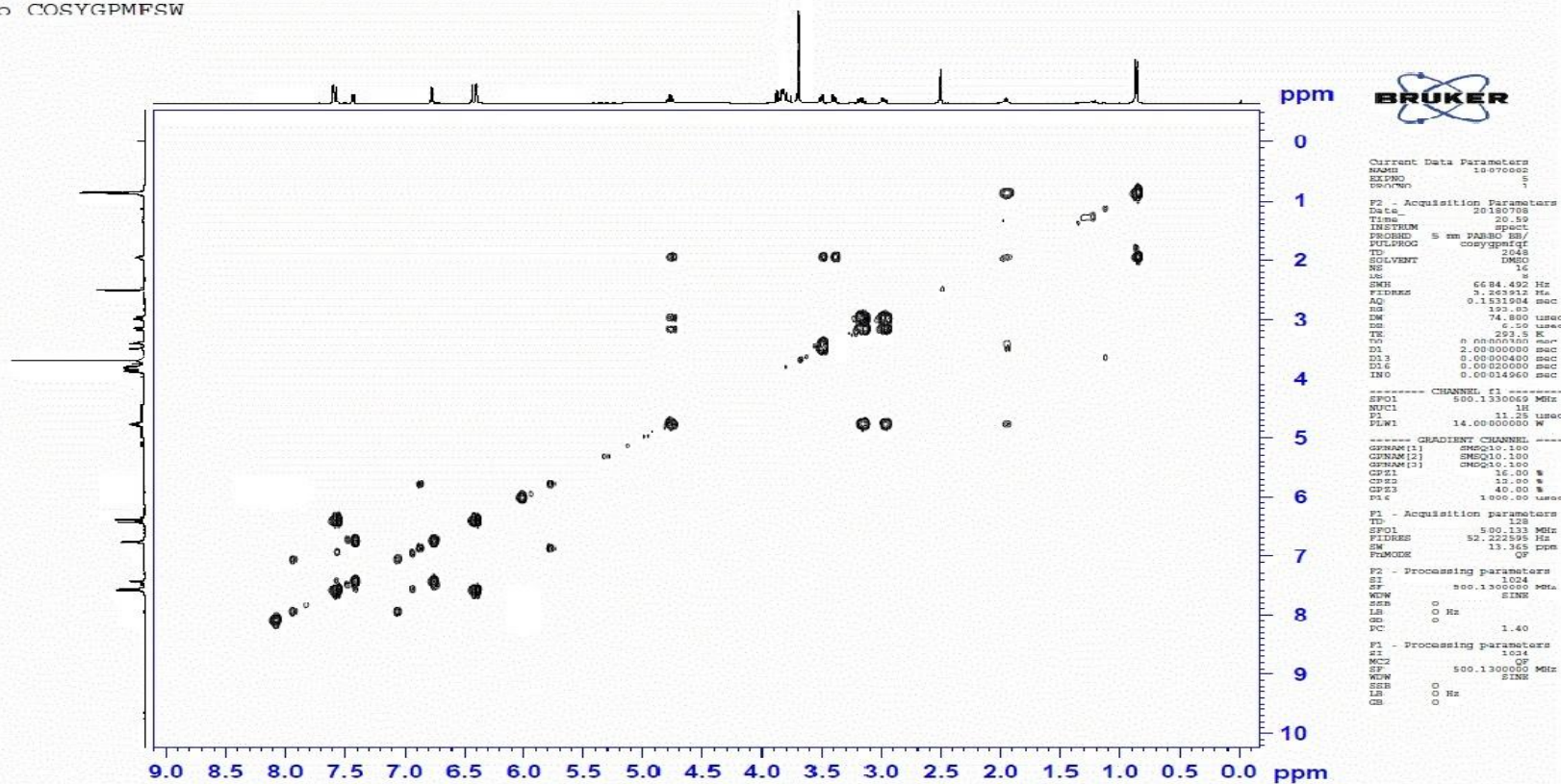


Fig. S6 COSY spectrum of compound 4