Supporting Information

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Structural Elucidation of a Coumarin with New Skeleton from *Artemisia ordosica*

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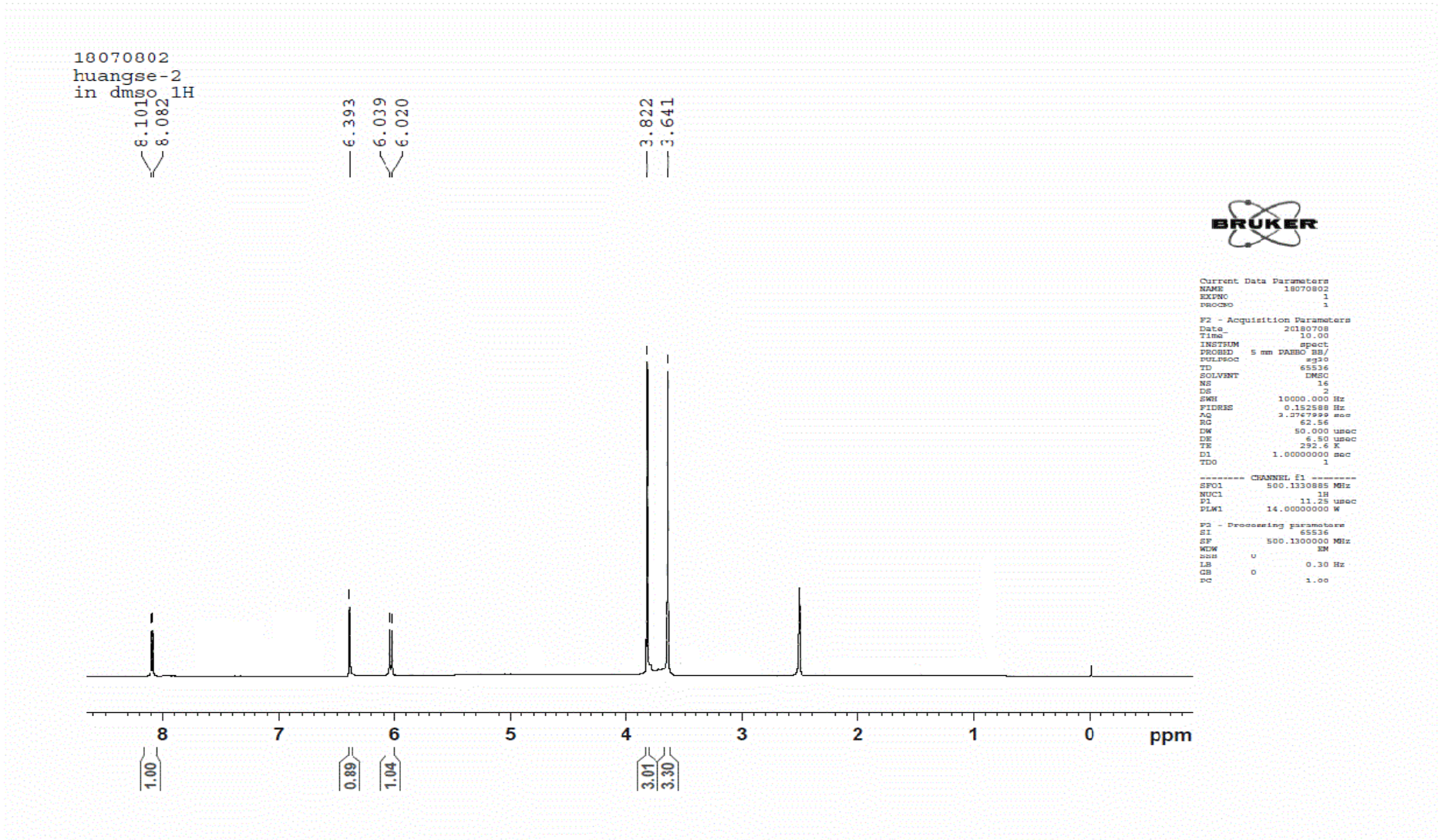


Figure S1: ^{1}H-NMR spectrum of compound **1** (arteordocoumarin A)

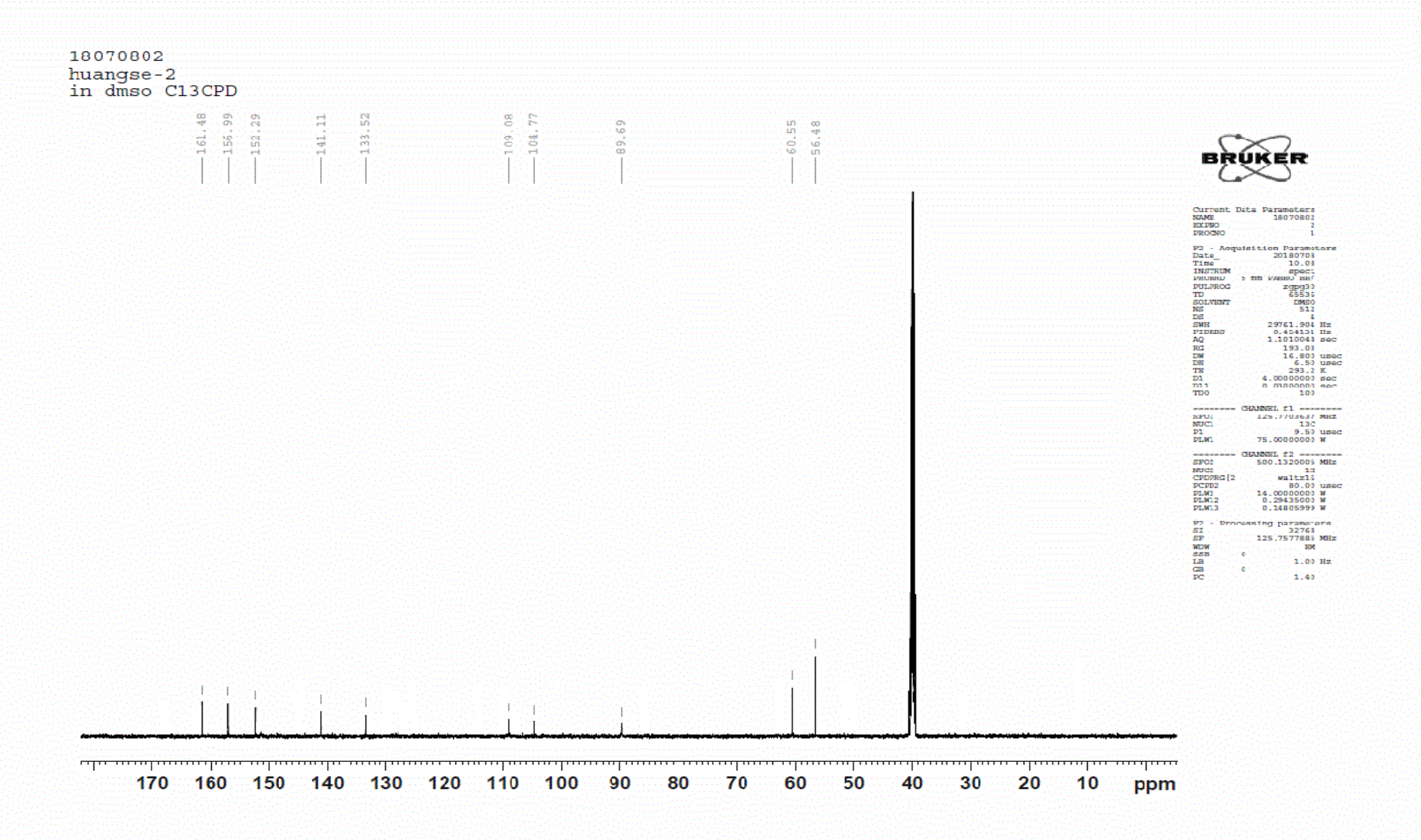


Figure S2 : ^{13}C-NMR spectrum of compound **1** (arteordocoumarin A)

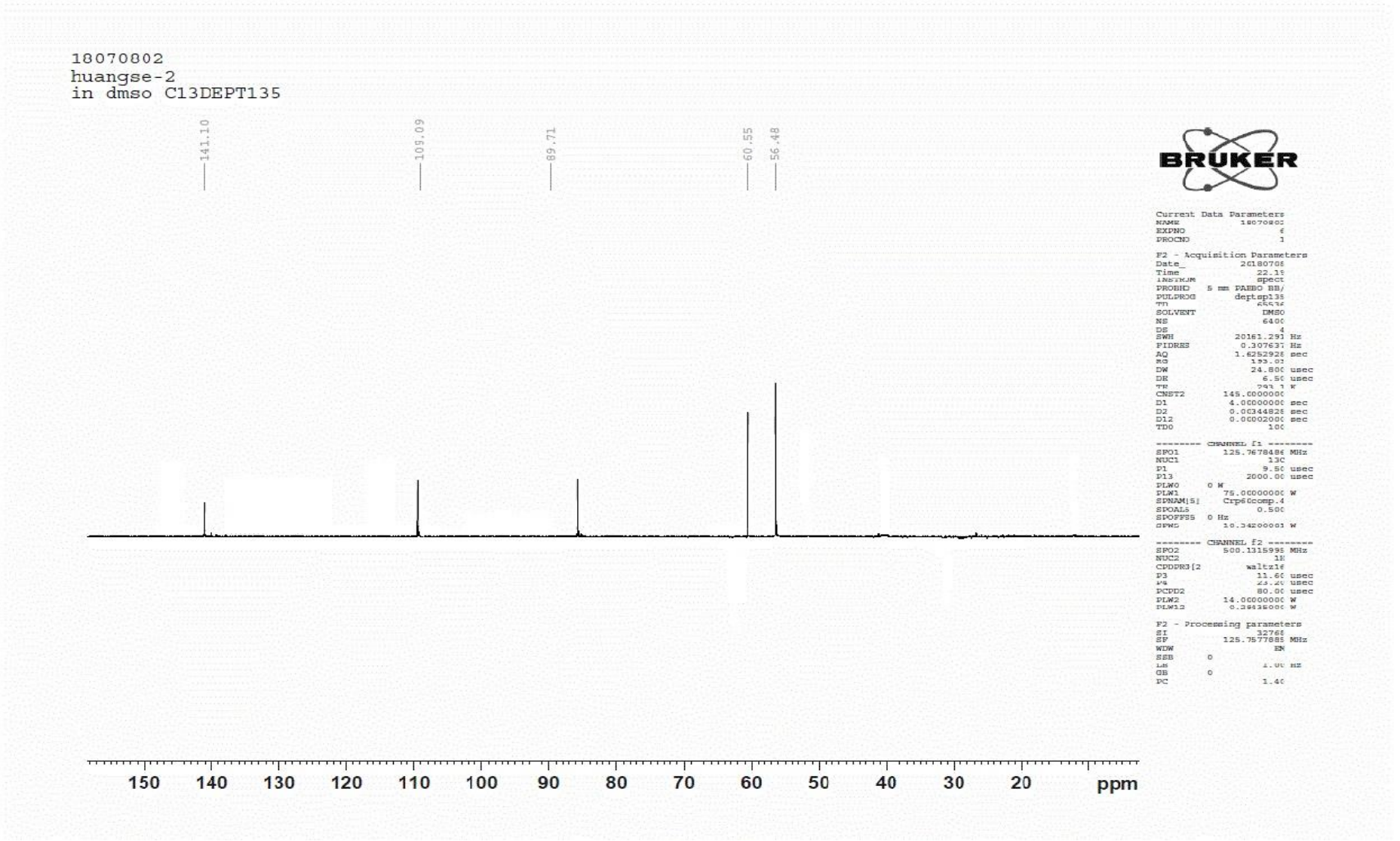
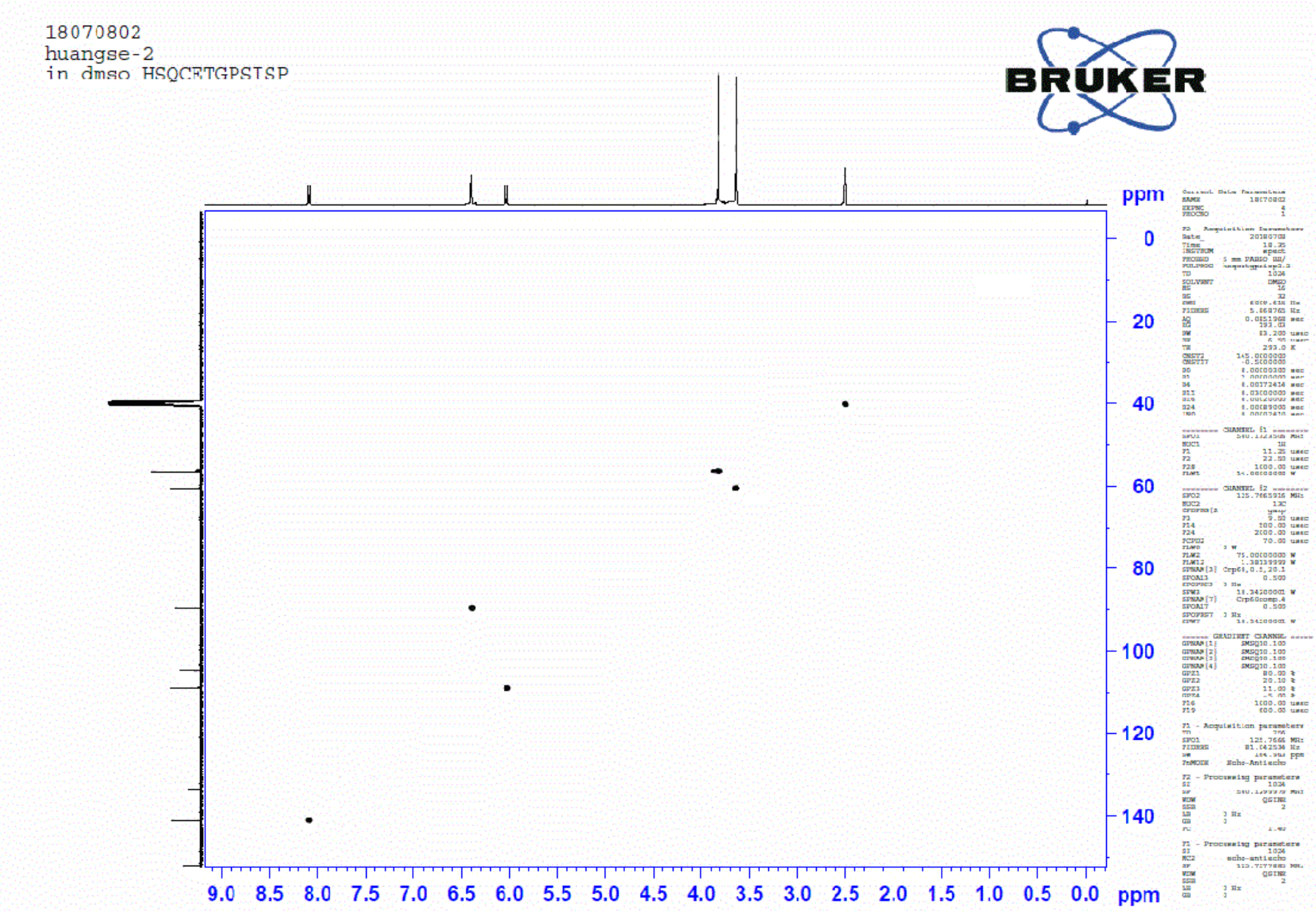


Figure S3 : DEPT spectrum of compound **1** (arteordocoumarin A)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huangse-2
in dmso HSQCETGPSISP
BRUKER
ppm
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20
40
60
80
100
120
140
9.0 8.5 8.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0 ppm

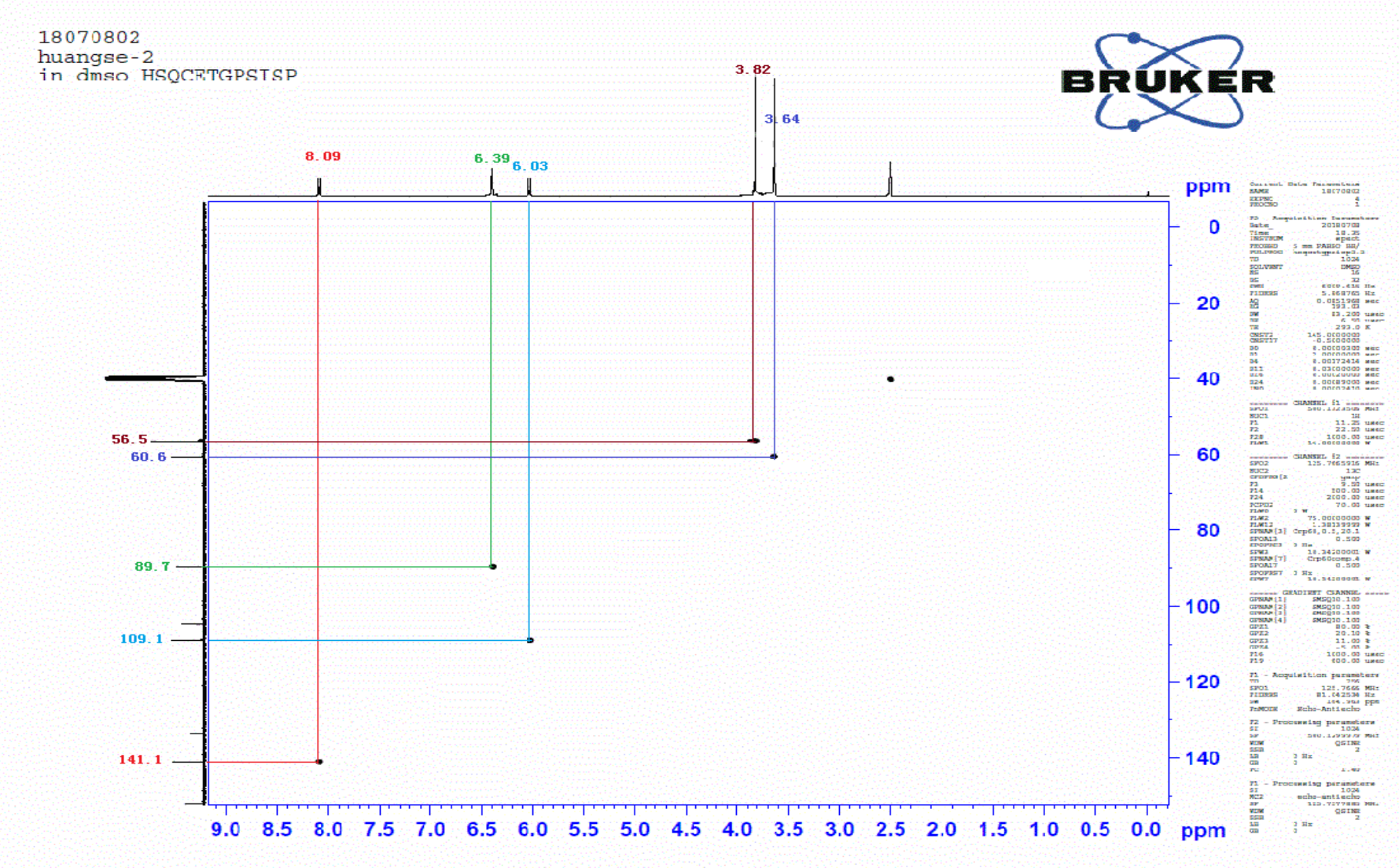
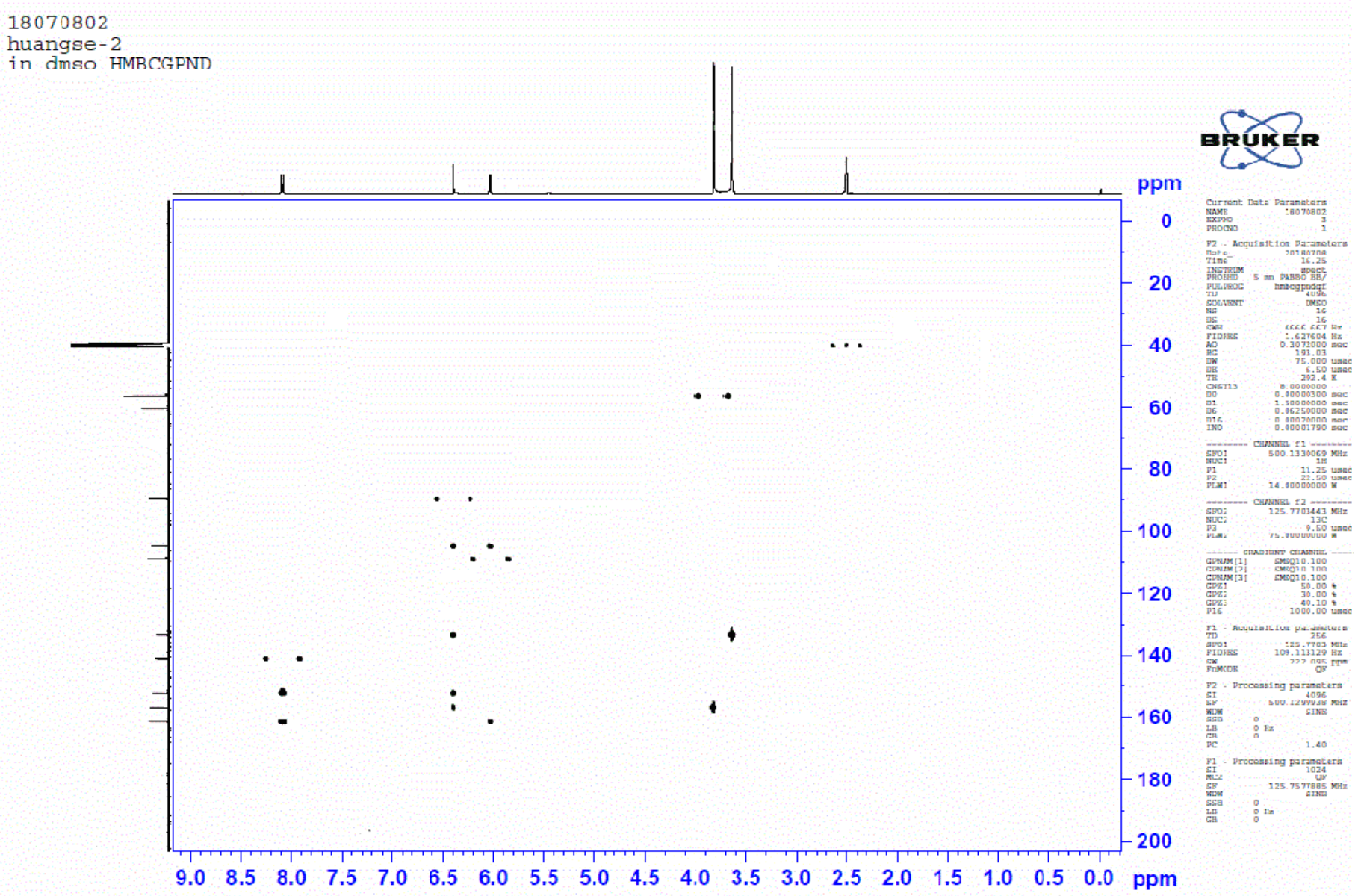


Figure S4 : HSQC spectrum of compound **1** (arteordocoumarin A)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ppm
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PROCNO 1
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PULPROG hmbcgpndqf
TD 4096
SOLVENT DMSO
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DS 16
SWH 6666.667 Hz
FIDRES 1.627604 Hz
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RG 181.03
DW 75.000 usec
DE 6.50 usec
TE 292.4 K
CNST13 8.0000000
D0 0.00000300 sec
D1 1.50000000 sec
D6 0.06250000 sec
D16 0.00070000 sec
IN0 0.00001790 sec
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NUC1 1H
P1 11.25 usec
P2 22.50 usec
PLW1 14.80000000 W
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SFO2 125.7701443 MHz
NUC2 13C
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GPNAM[2] SMSQ10.100
GPNAM[3] SMSQ10.100
GPZ1 50.00 %
GPZ2 30.00 %
GPZ3 40.10 %
P16 1000.00 usec
F1 - Acquisition parameters
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SFO1 125.7703 MHz
FIDRES 109.111129 Hz
SW 222.705 ppm
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F2 - Processing parameters
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SF 500.1299939 MHz
WDW SINE
SSB 0
LB 0 Hz
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MC2 QF
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SSB 0
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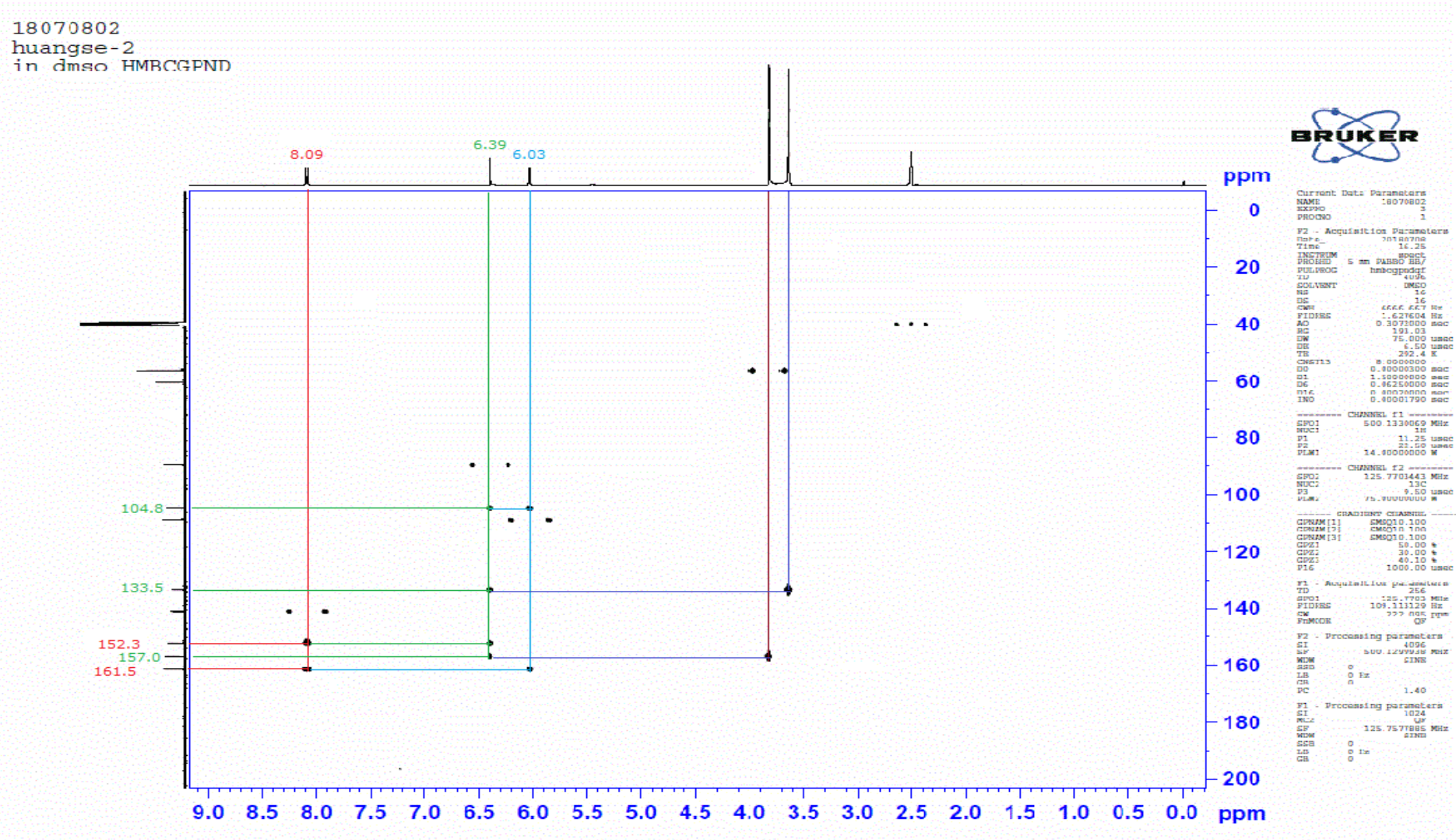

Figure S5 : HMBC spectrum of compound **1** (arteordocoumarin A)

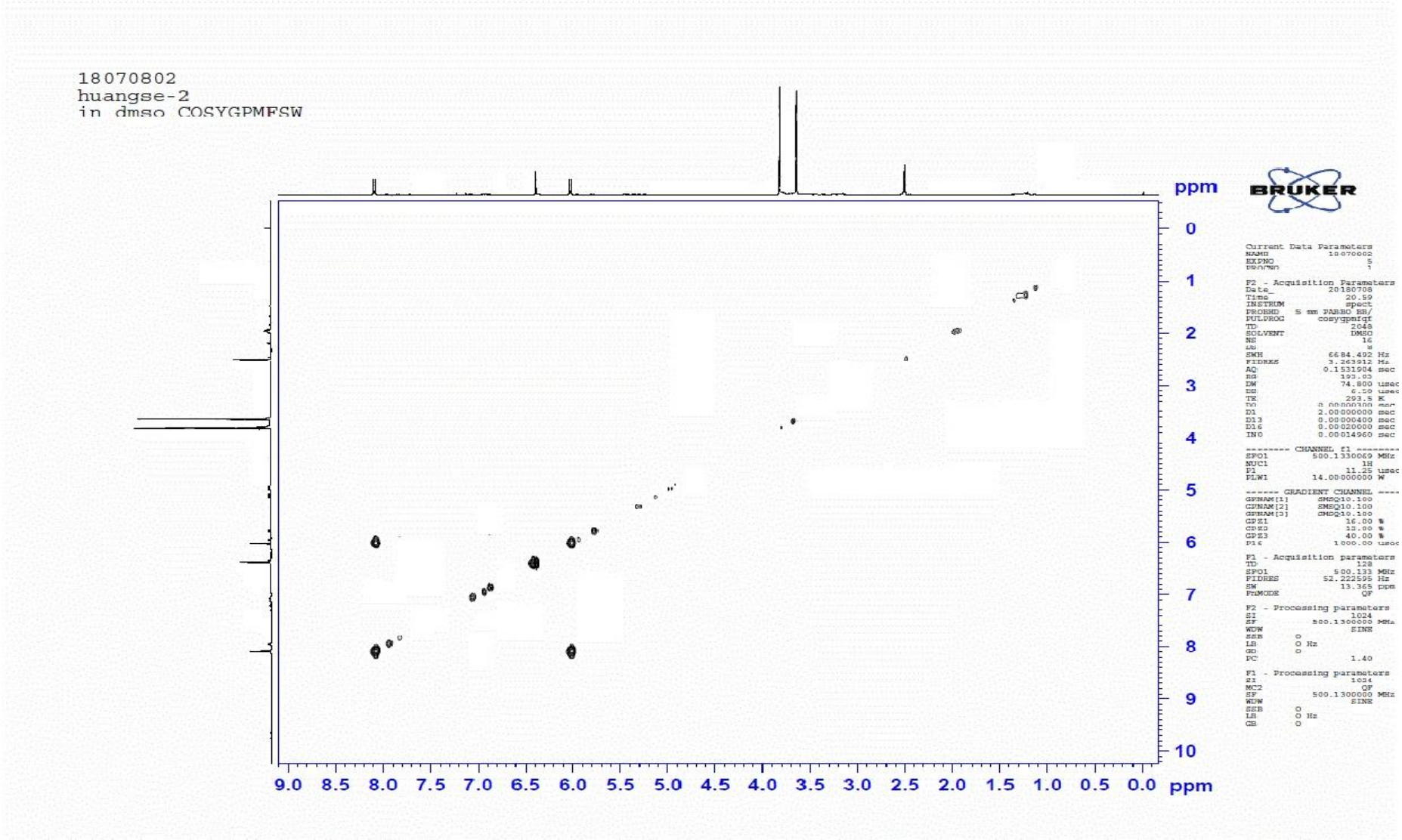

Figure S6 : ^{1}H-^{1}H COSY spectrum of compound **1** (arteordocoumarin A)

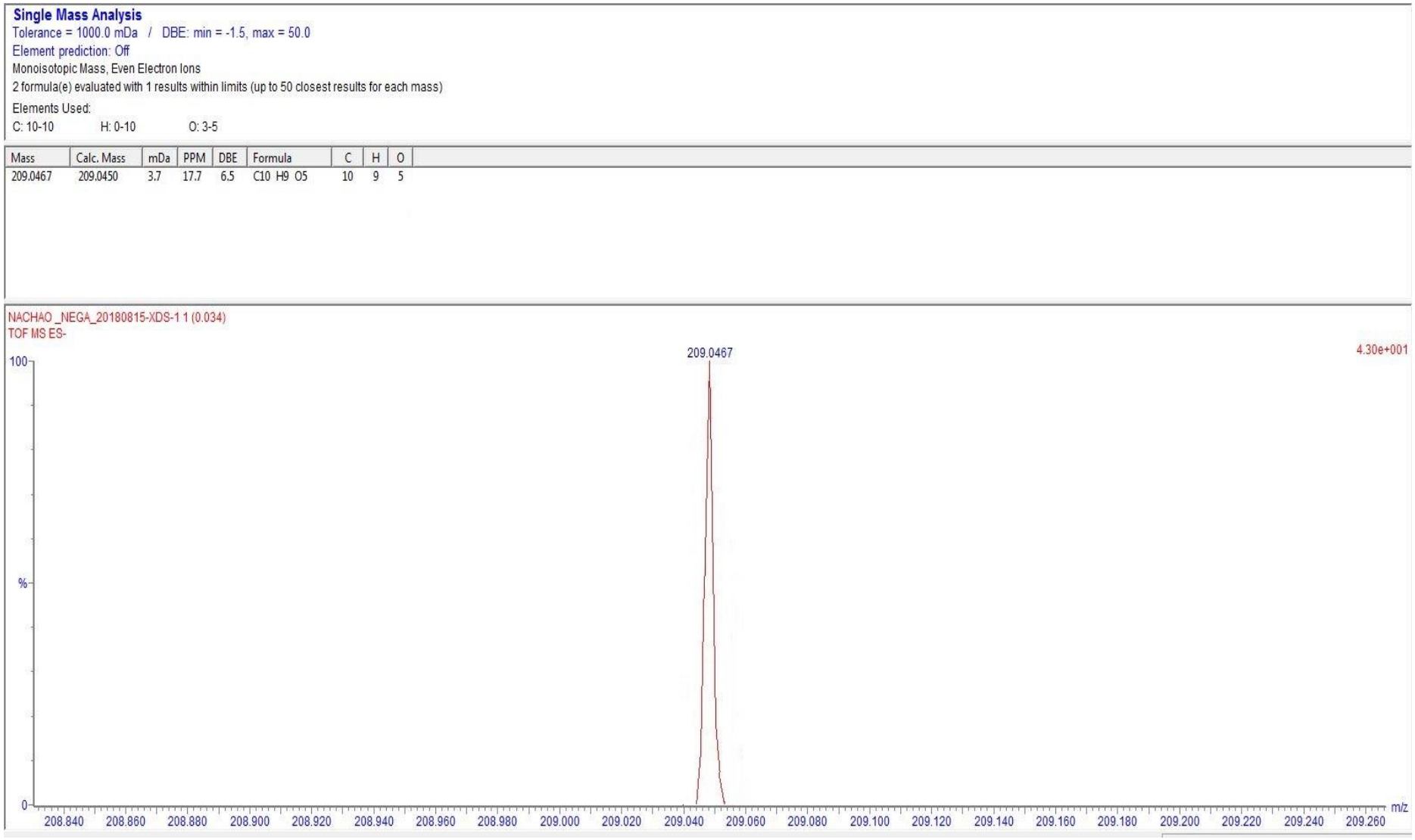

Figure S7 : MS spectrum of compound **1** (arteordocoumarin A)