

Supporting information

Curcumin-Coumarin Hybrid Analogues as Multitarget Agents in Neurodegenerative Disorders

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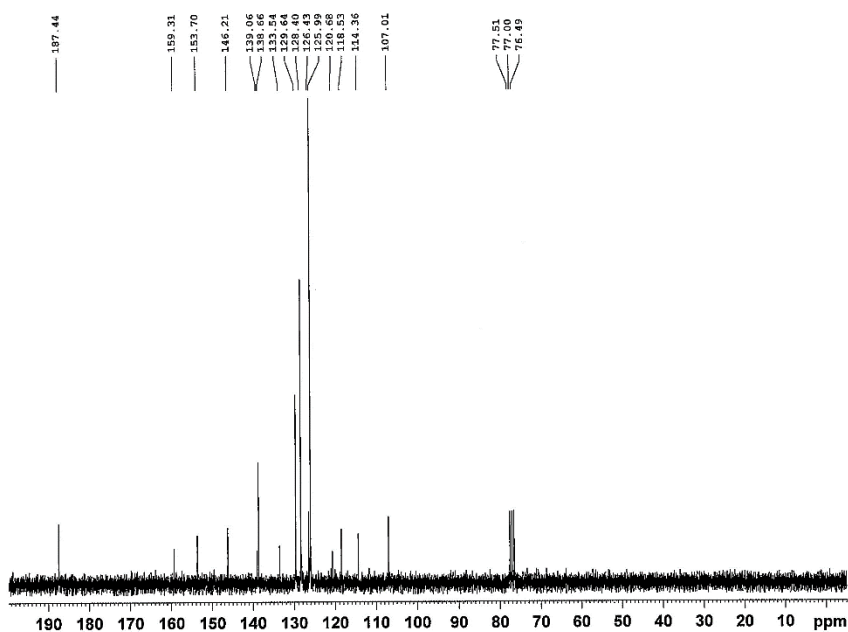
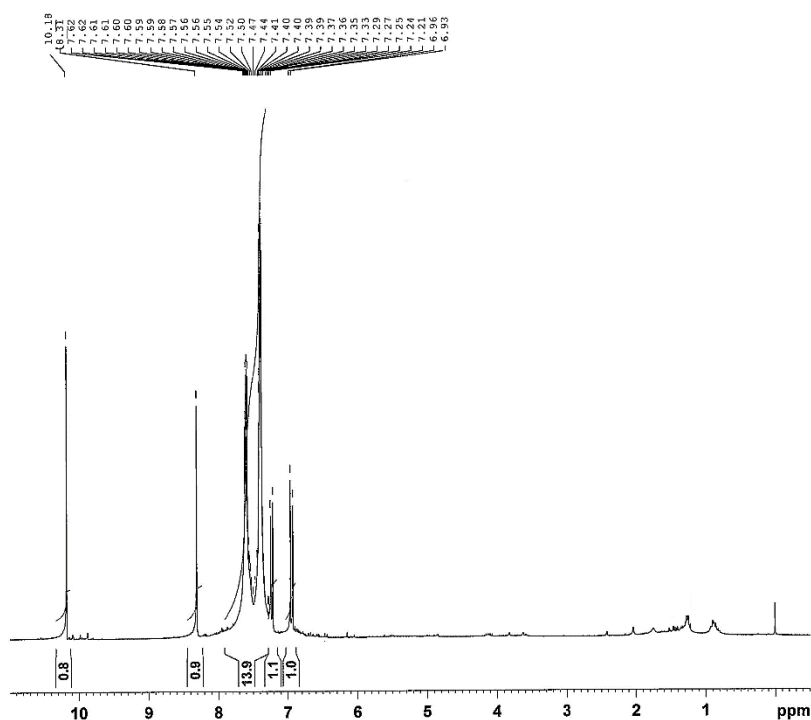
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³ Department of Pharmacy and Pharmaceutical Technology, Faculty of Pharmacy, Universidade de Santiago de Compostela, 15782 Santiago de Compostela, Spain; elena.cutrin@rai.usc.es; francisco.otero@usc.es

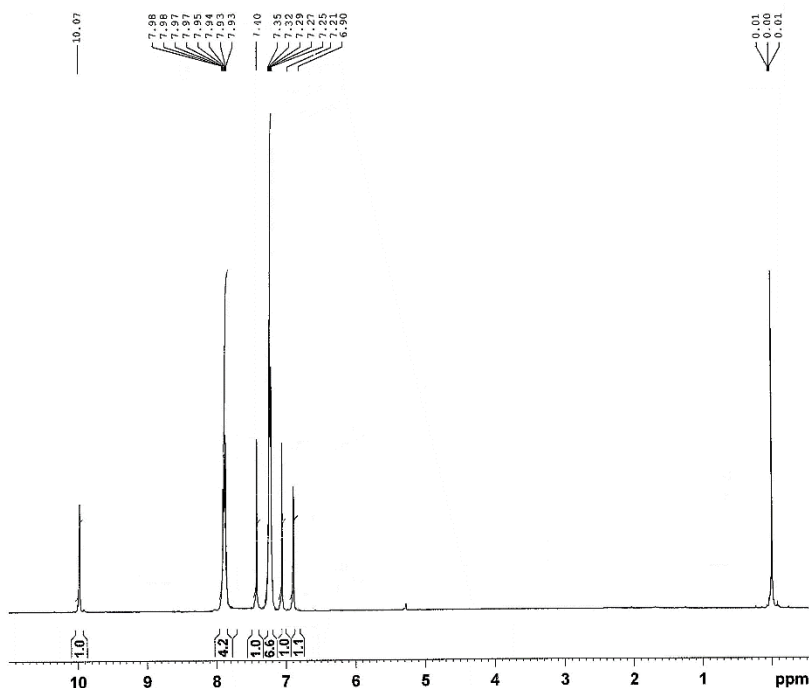
⁴ Instituto de Ciencias Químicas Aplicadas, Universidad Autónoma de Chile, 7500912 Santiago, Chile

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Compound 5: ^1H and ^{13}C NMR



Compound 9: ^1H and ^{13}C NMR

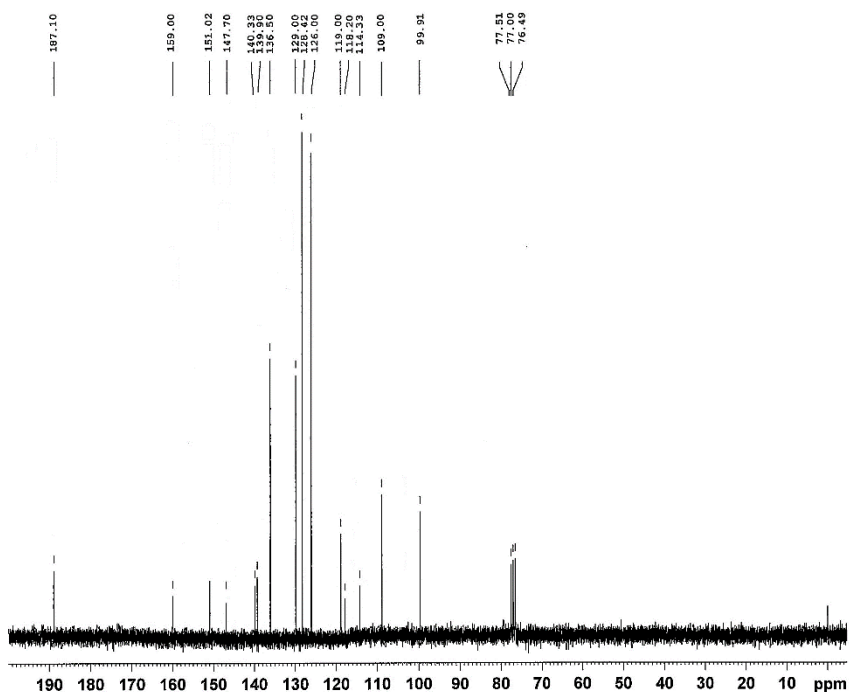


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NAME 67Dioxo3CHOCum
EXPNO 1
PROCNO 1

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Date_ 20160426
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PROBHD 5 mm Dual 13C/
PULPROG zg30
TD 32768
SOLVENT CDCl3
NS 6
DS 0
SWH 4496.403 Hz
FIDRES 0.137219 Hz
AQ 3.6438515 sec
RG 181
DW 111.200 usec
DE 10.50 usec
TE 300.0 K
D1 1.50000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 ^1H
P1 9.75 usec
PL1 -6.00 dB
SFO1 250.1315581 MHz

F2 - Processing parameters
SI 16384
SF 250.1300039 MHz
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SSB 0
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GB 0
PC 1.00



Current Data Parameters
NAME 67Dioxo3CHOCum
EXPNO 1
PROCNO 1

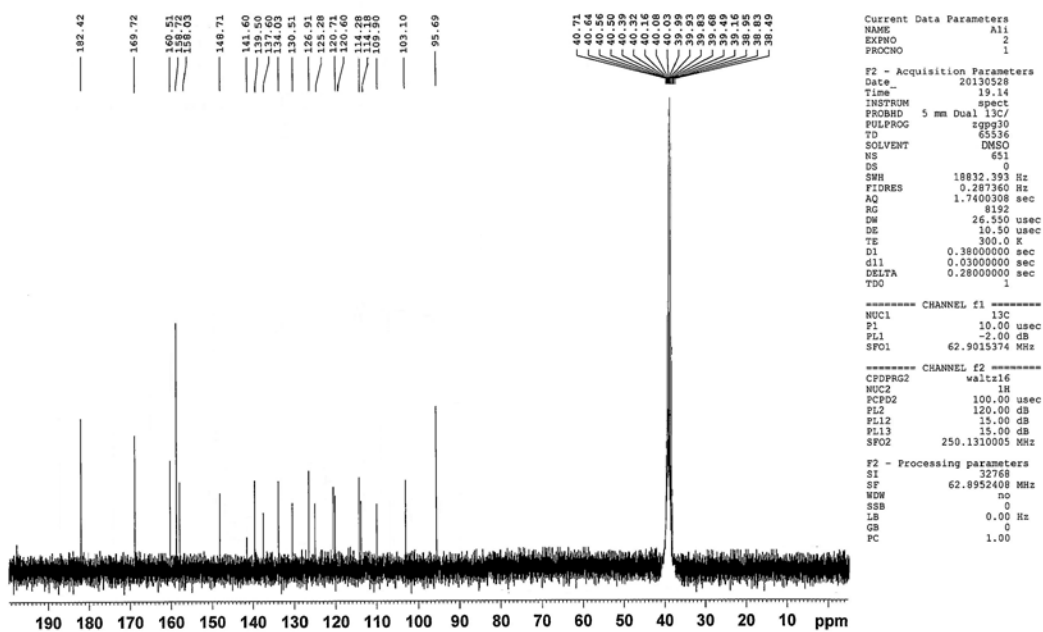
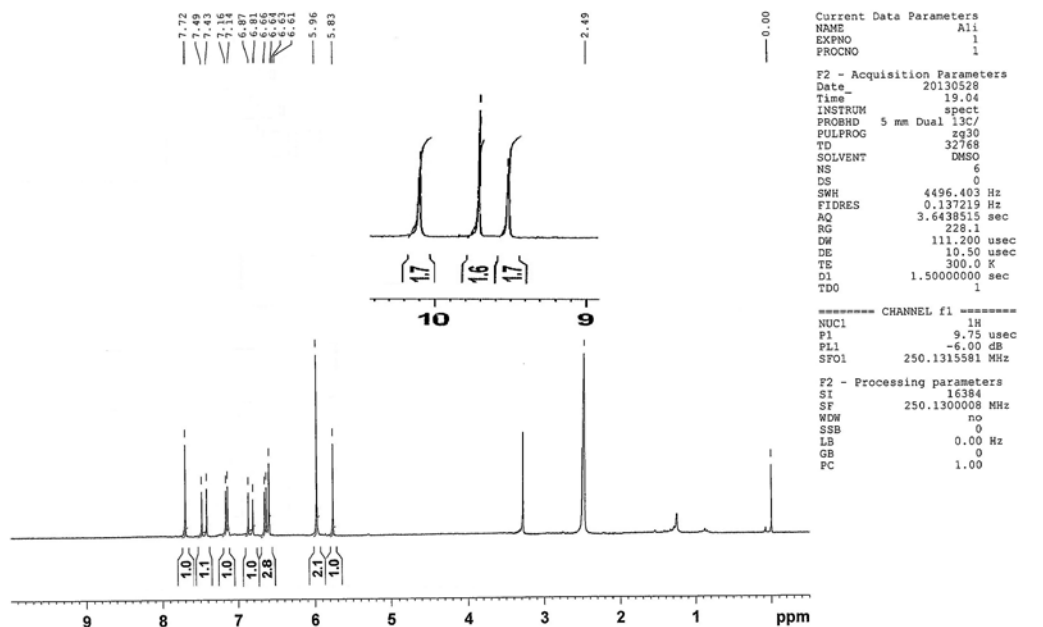
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INSTRUM spect
PROBHD 5 mm Dual 13C/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 231
DS 0
SWH 18832.393 Hz
FIDRES 0.287360 Hz
AQ 1.7400308 sec
RG 8192
DW 26.550 usec
DE 10.50 usec
TE 300.0 K
D1 0.38000000 sec
d11 0.03000000 sec
DELTA 0.28000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 ^{13}C
P1 10.00 usec
PL1 -2.00 dB
SFO1 62.9015374 MHz

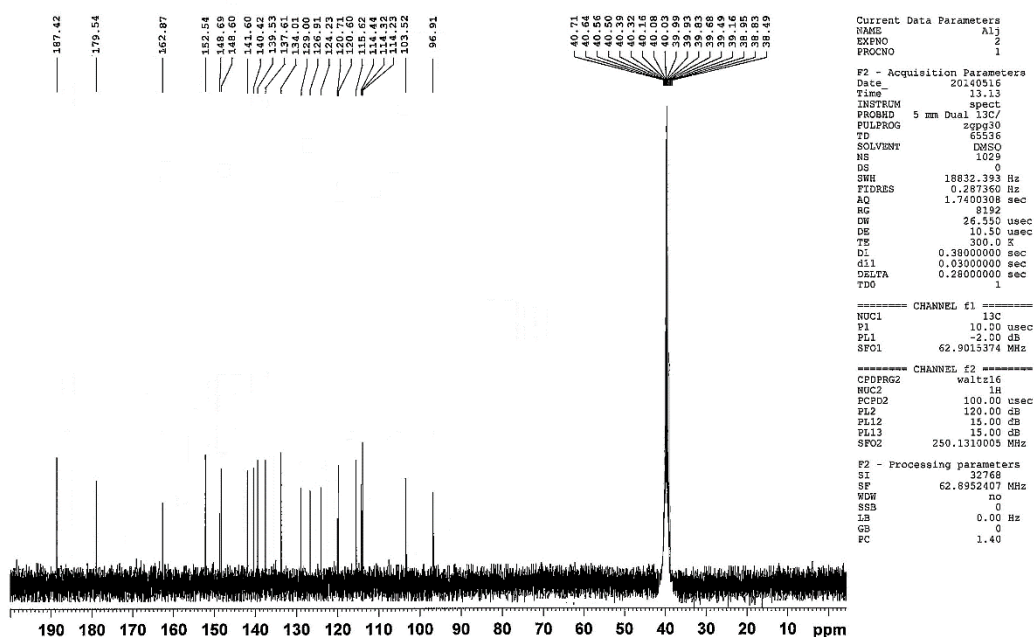
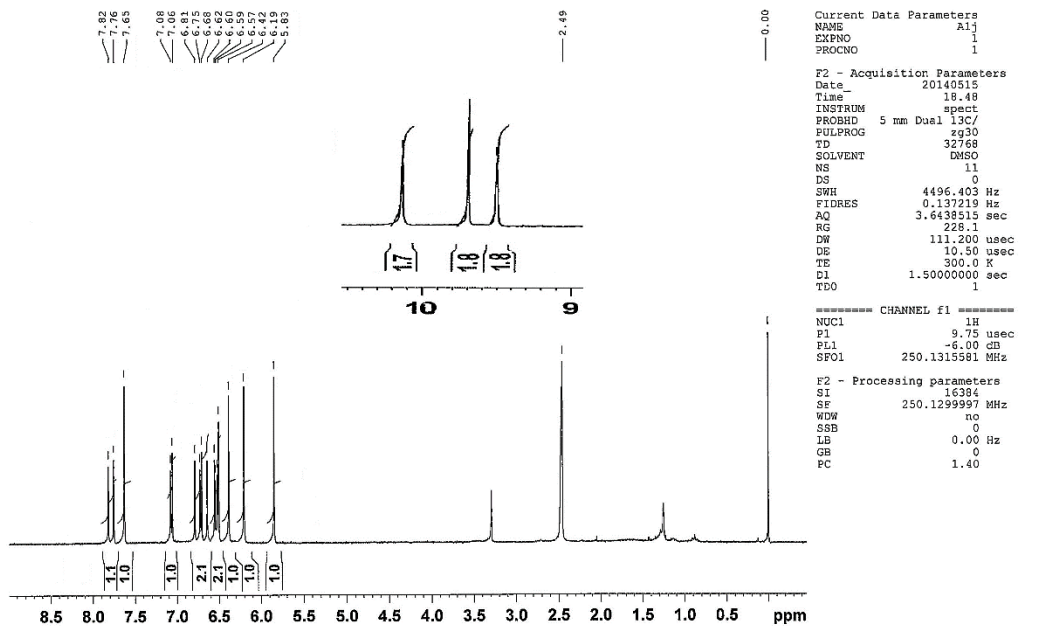
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CPDPRG2 waltz16
NUC2 ^1H
PCPD2 100.00 usec
PL2 120.00 dB
PL12 15.00 dB
PL13 15.00 dB
SFO2 250.1310005 MHz

F2 - Processing parameters
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SF 62.8952443 MHz
WDW no
SSB 0
LB 0.00 Hz
GB 0
PC 1.00

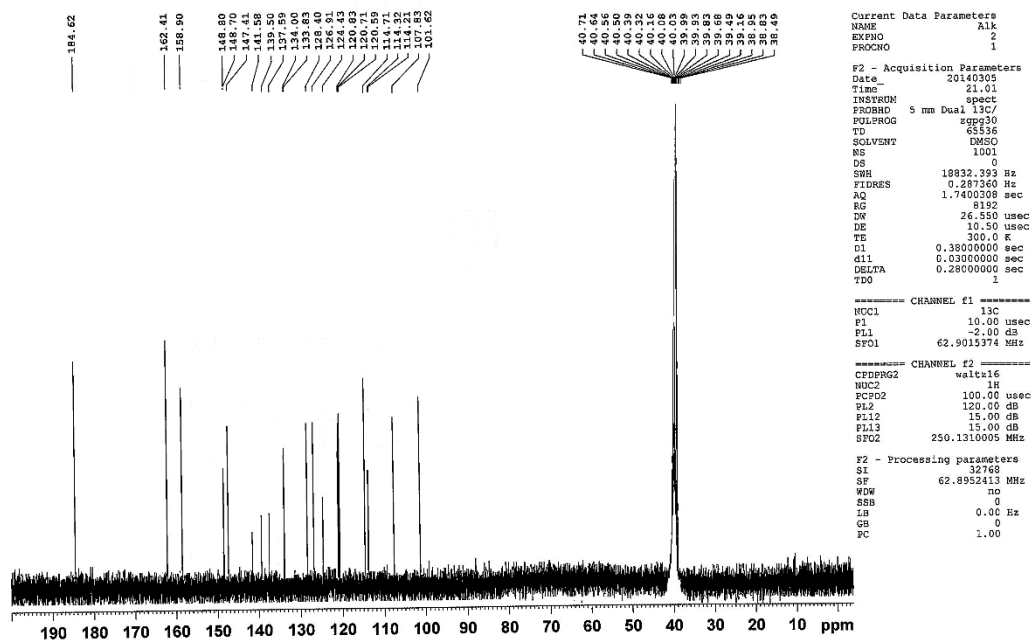
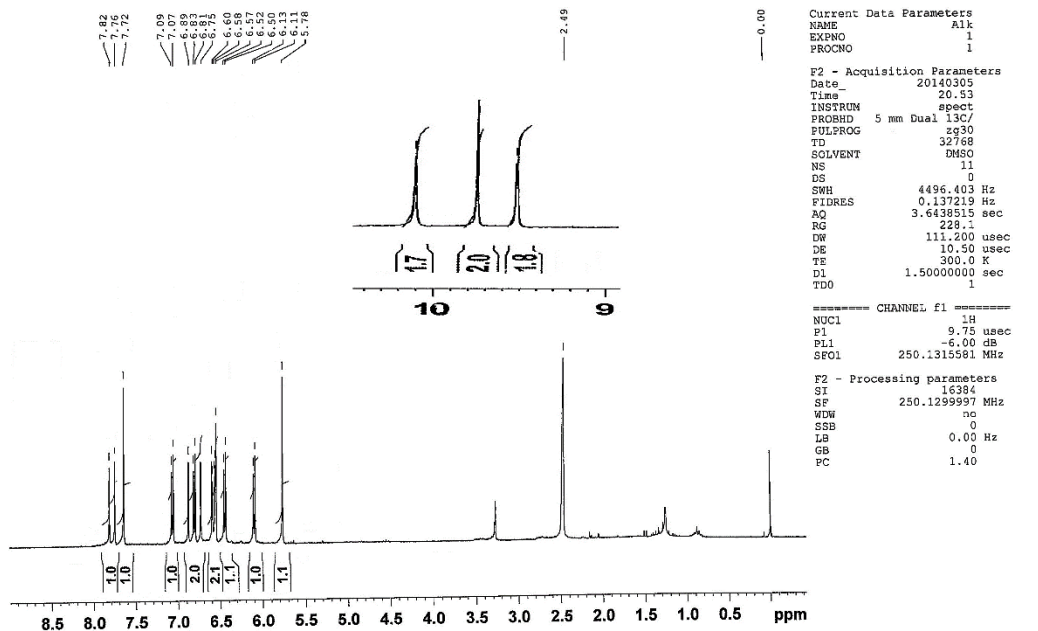
Compound 11: ^1H and ^{13}C NMR



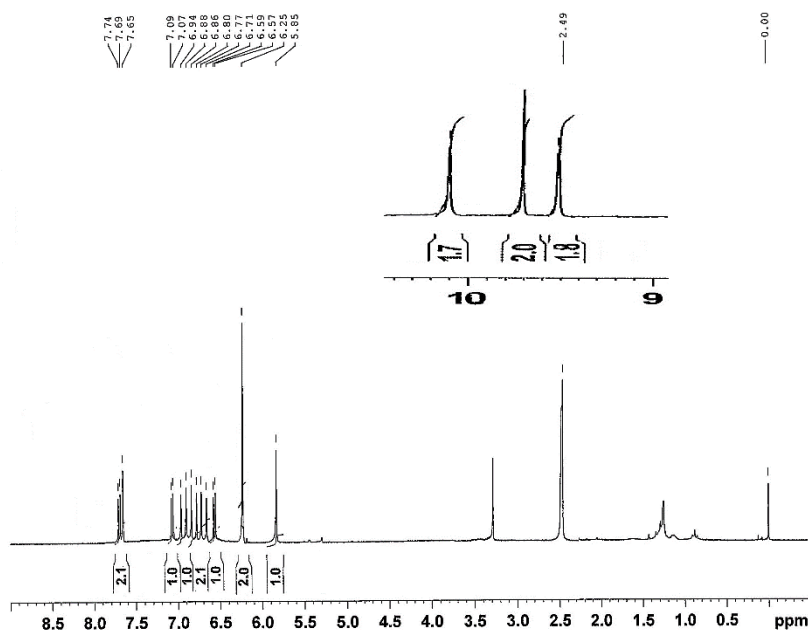
Compound 12: ^1H and ^{13}C NMR



Compound 13: ^1H and ^{13}C NMR



Compound 14: ^1H and ^{13}C NMR

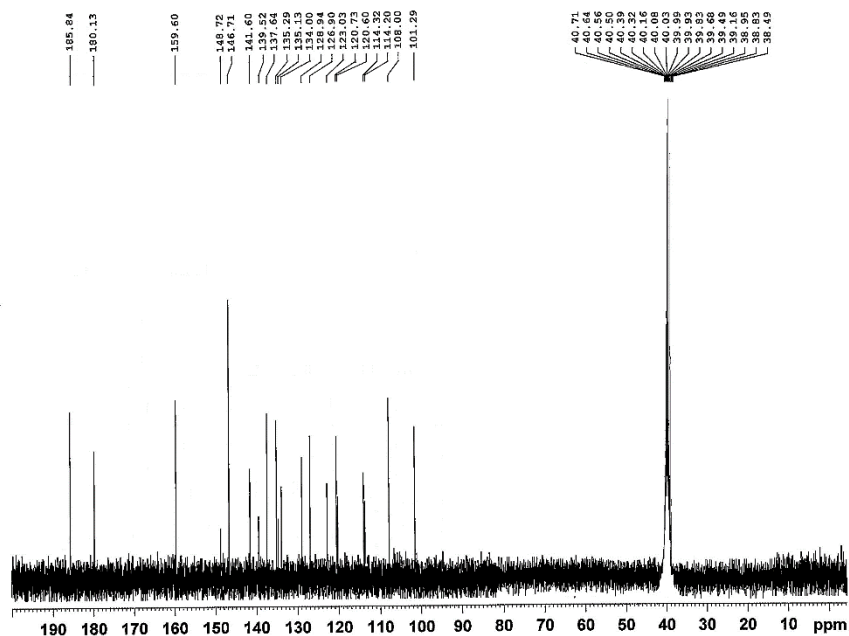


Current Data Parameters
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 EXPNO 1
 PROCNO 1

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 PROBHD 5 mm Dual 13C/
 PULPROG zg30
 TD 32768
 SOLVENT DMSO
 NS 8
 DS 0
 SWH 4496.403 Hz
 FIDRES 0.137219 Hz
 AQ 3.6438515 sec
 RG 228.1
 DW 111.200 usec
 DE 10.50 usec
 TE 300.0 K
 D1 1.50000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 ^1H
 P1 9.75 usec
 PL1 -6.00 dB
 SFO1 250.1315581 MHz

F2 - Processing parameters
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 SF 250.1299986 MHz
 WDW no
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 1.00



Current Data Parameters
 NAME All
 EXPNO 2
 PROCNO 1

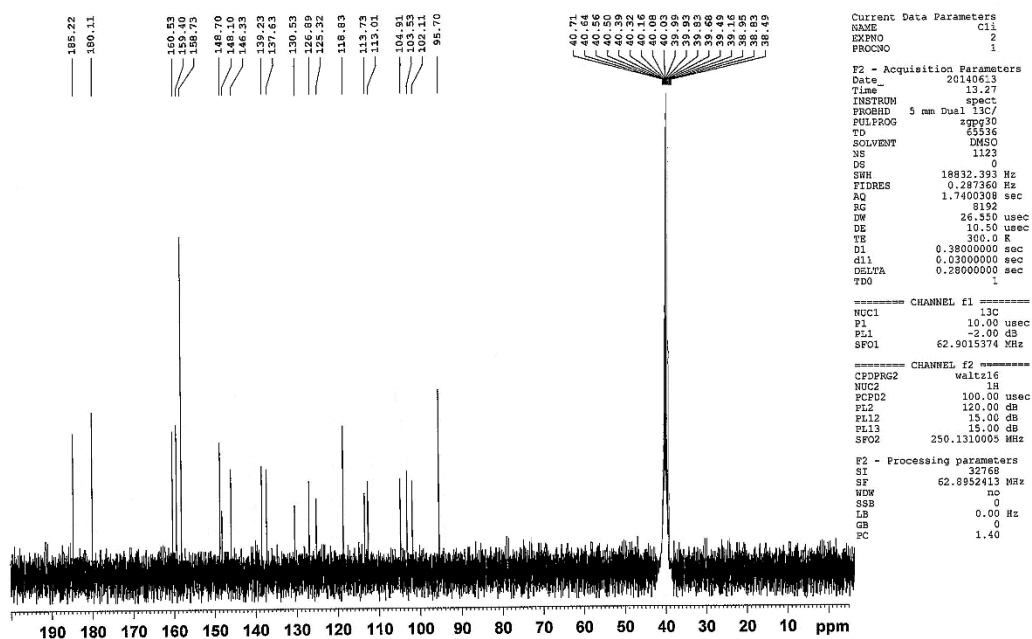
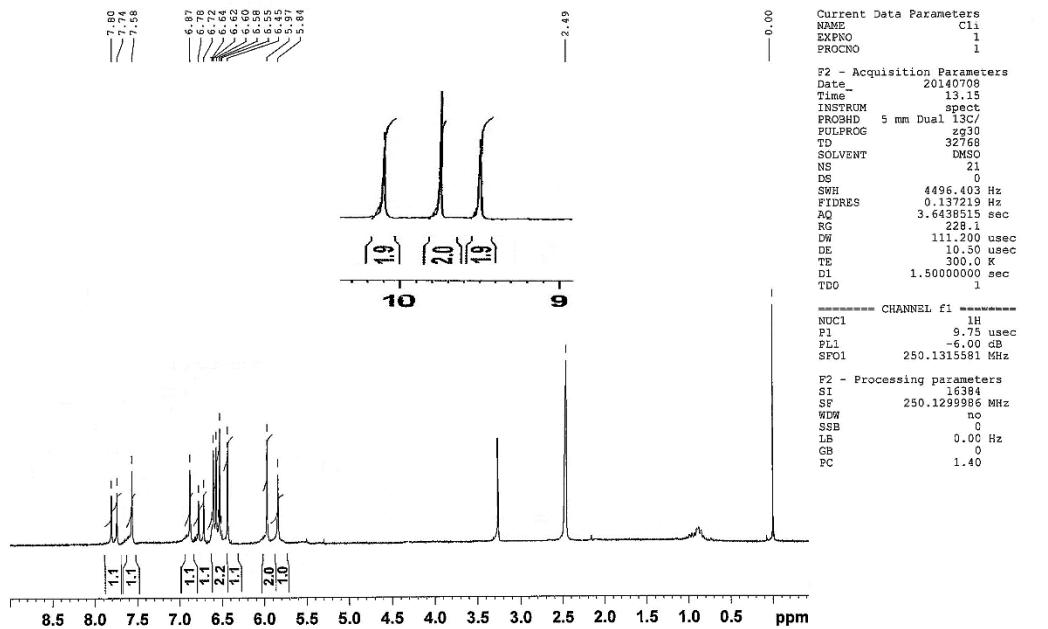
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 PULPROG zgpg30
 TD 65536
 SOLVENT DMSO
 NS 421
 DS 0
 SWH 18832.393 Hz
 FIDRES 0.287360 Hz
 AQ 1.7400308 sec
 RG 8192
 DW 26.550 usec
 DE 10.50 usec
 TE 300.0 K
 D1 0.38000000 sec
 d11 0.03000000 sec
 DELTA 0.28000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 ^{13}C
 P1 10.00 usec
 PL1 2.00 dB
 SFO1 62.9015374 MHz

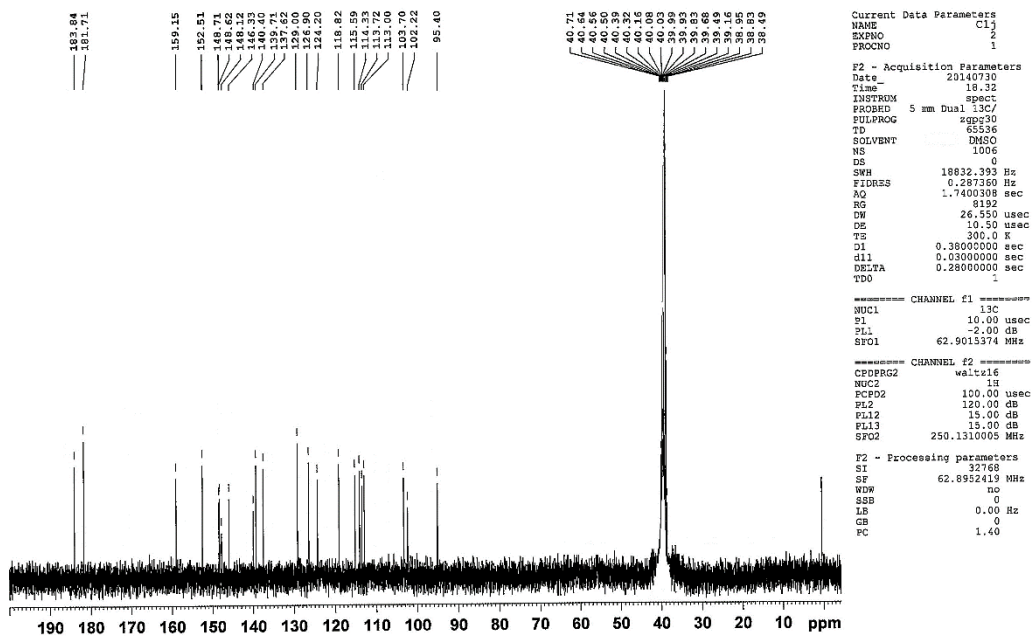
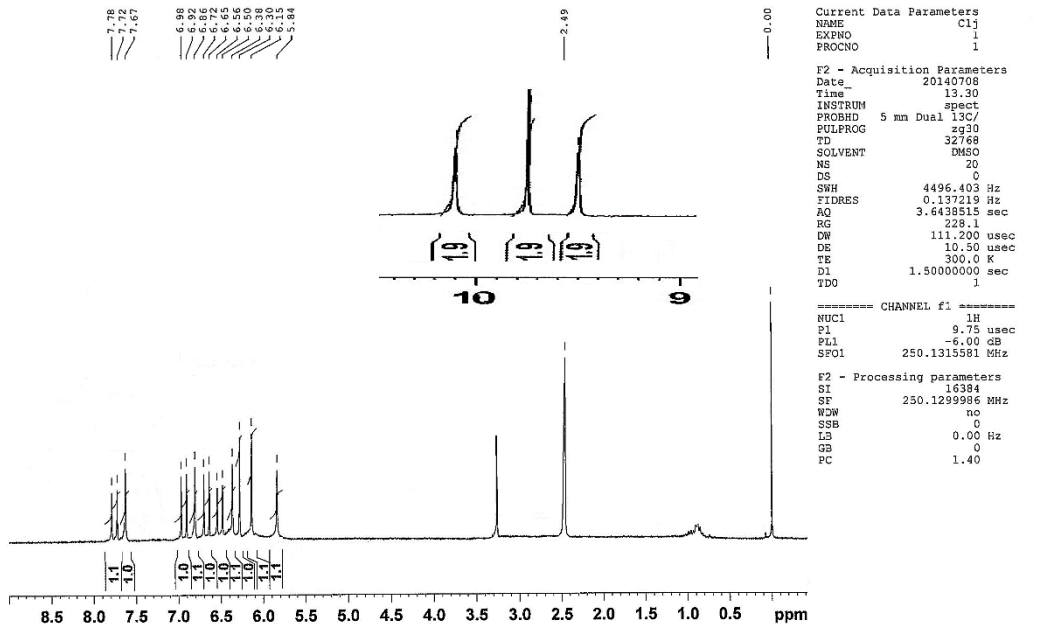
===== CHANNEL f2 =====
 CPDPRG2 waltz16
 NUC2 ^1H
 ZPD2 100.00 usec
 PL2 120.00 dB
 PL12 15.00 dB
 PL13 15.00 dB
 SFG2 250.1310005 MHz

F2 - Processing parameters
 SI 32768
 SF 62.8952419 MHz
 WDW no
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 1.00

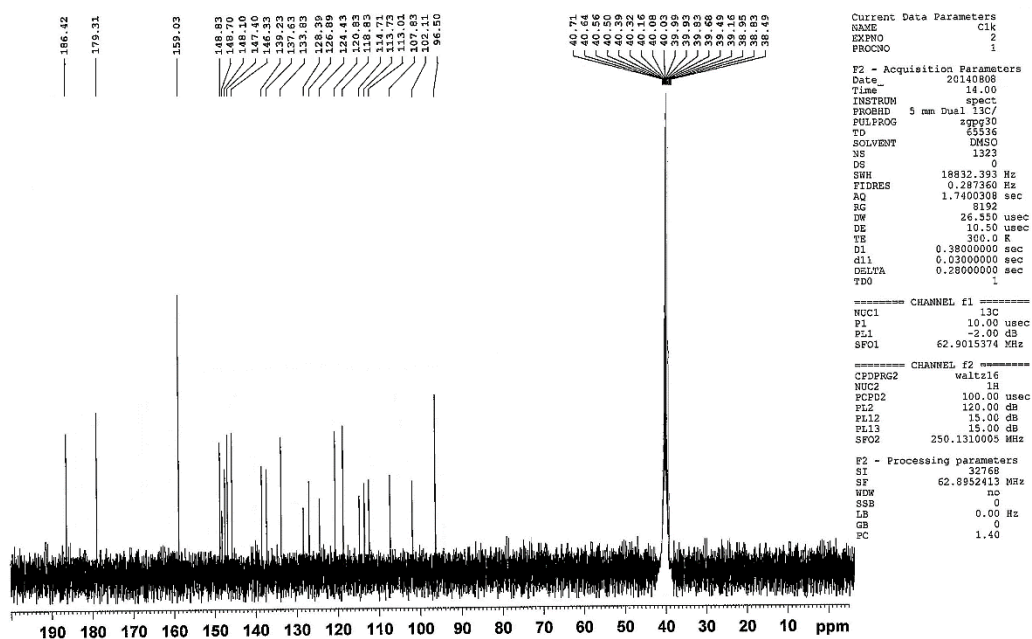
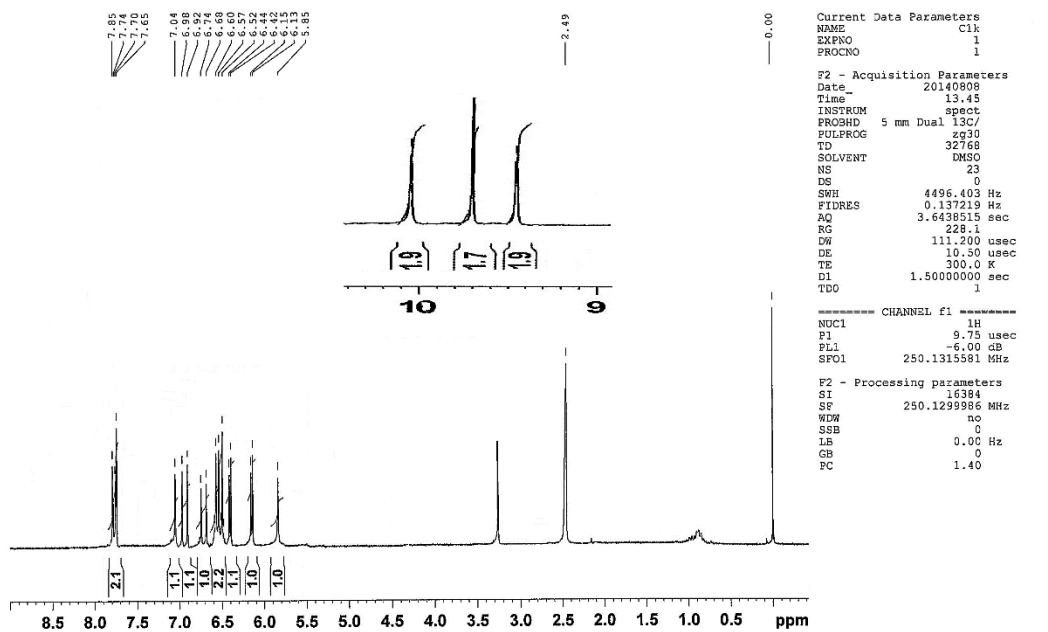
Compound 15: ^1H and ^{13}C NMR



Compound 16: ^1H and ^{13}C NMR



Compound 17: ^1H and ^{13}C NMR



Compound 18: ^1H and ^{13}C NMR

