

Supplementary materials:

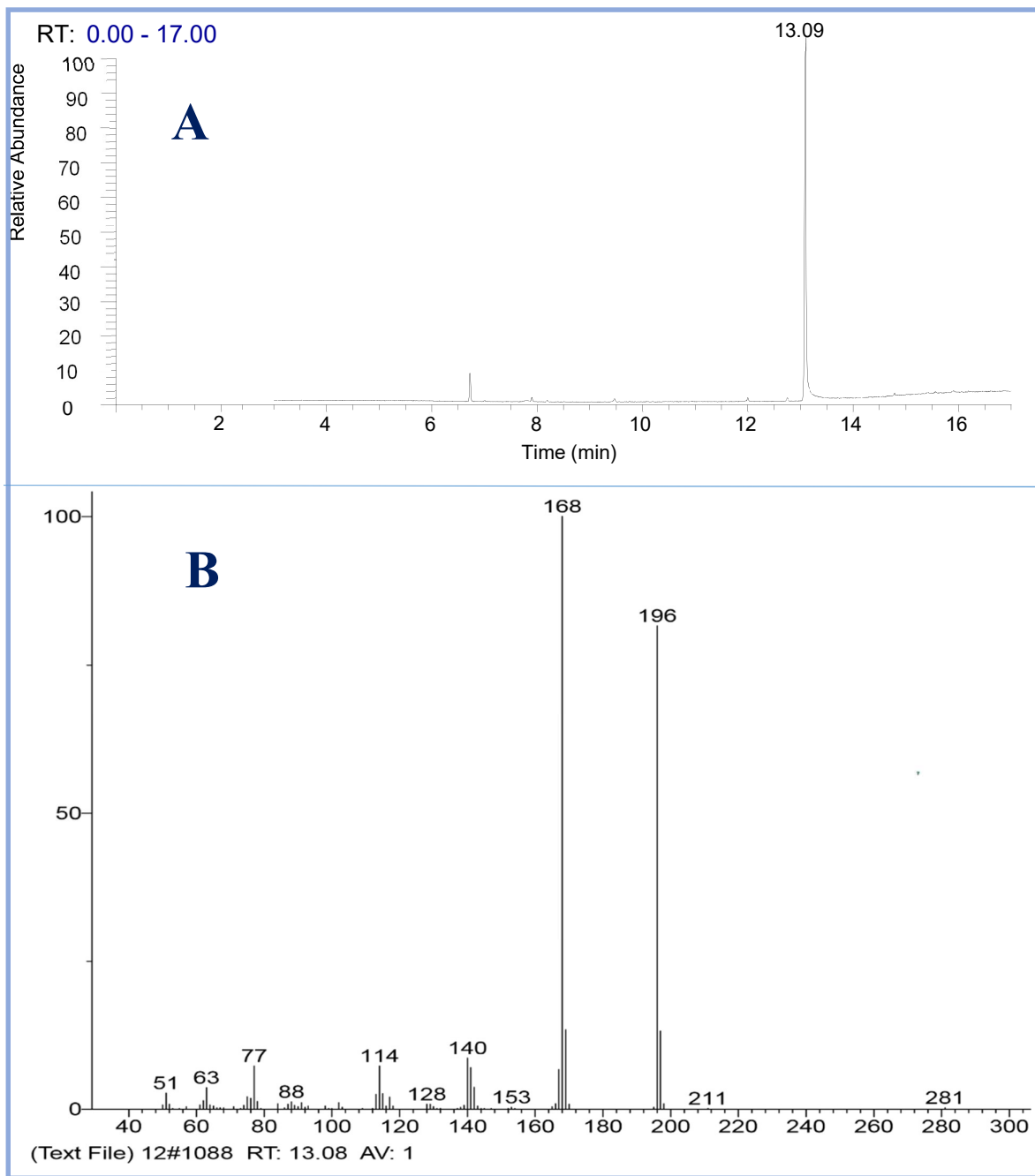
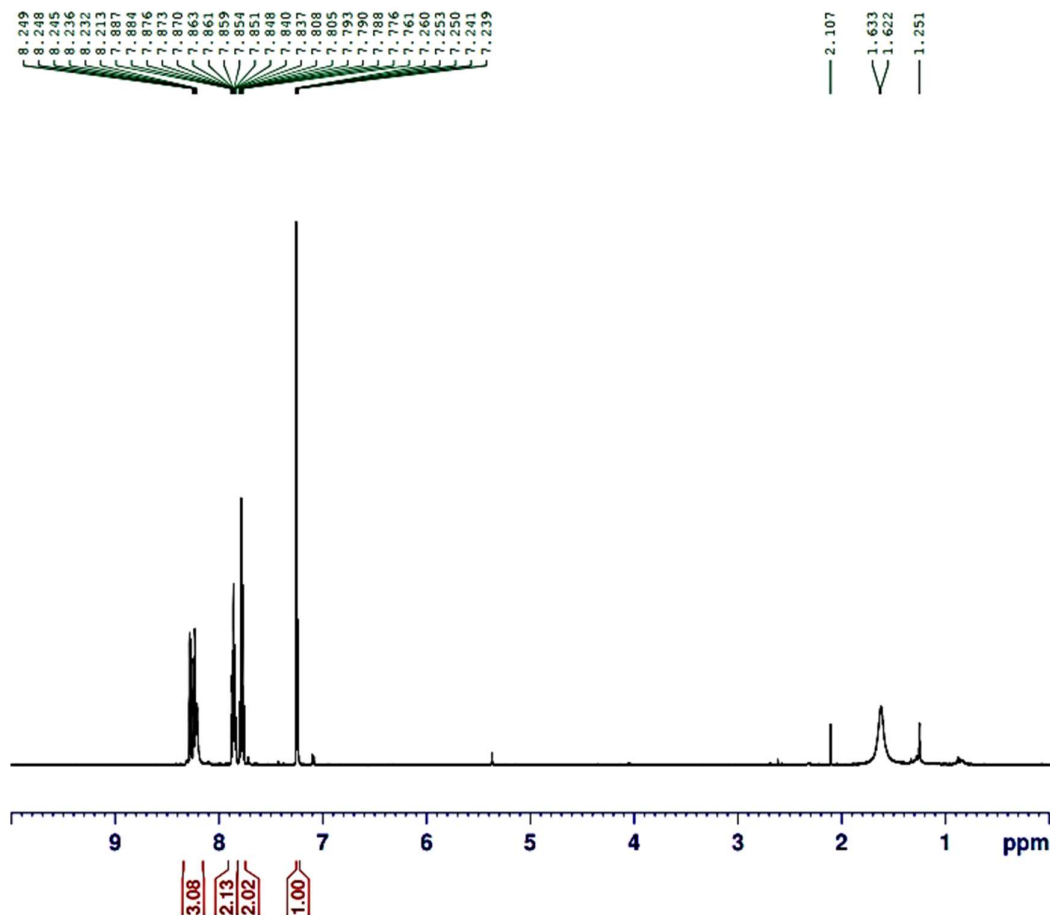


Figure S1. The gas chromatography-mass spectrometry (GCMS) profile of purified compound SF-1. The GC profile (A) and MS profile (B).

¹H of SF-1



NAME SF-1
 EXPNO 1
 PROCNO 1
 Date_ 20220307
 Time 11.21
 INSTRUM spect
 PROBHD 5 mm PABBO BB-
 PULPROG zg30
 TD 32768
 SOLVENT CDCl3
 NS 16
 DS 0
 SWH 7183.908 Hz
 FIDRES 0.219235 Hz
 AQ 2.2807724 sec
 RG 10300
 DW 69.600 usec
 DE 6.00 usec
 TE 299.0 K
 D1 2.00000000 sec
 TDO 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 15.00 usec
 PL1 -0.80 dB
 PL1W 24.15961456 W
 SFO1 600.1330006 MHz
 SI 32768
 SF 600.1300107 MHz
 WDW no
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 1.00

Figure S2. ¹H NMR spectrum of compound SF-1, measured in CDCl₃ at 600 MHz.

¹³C of SF-1

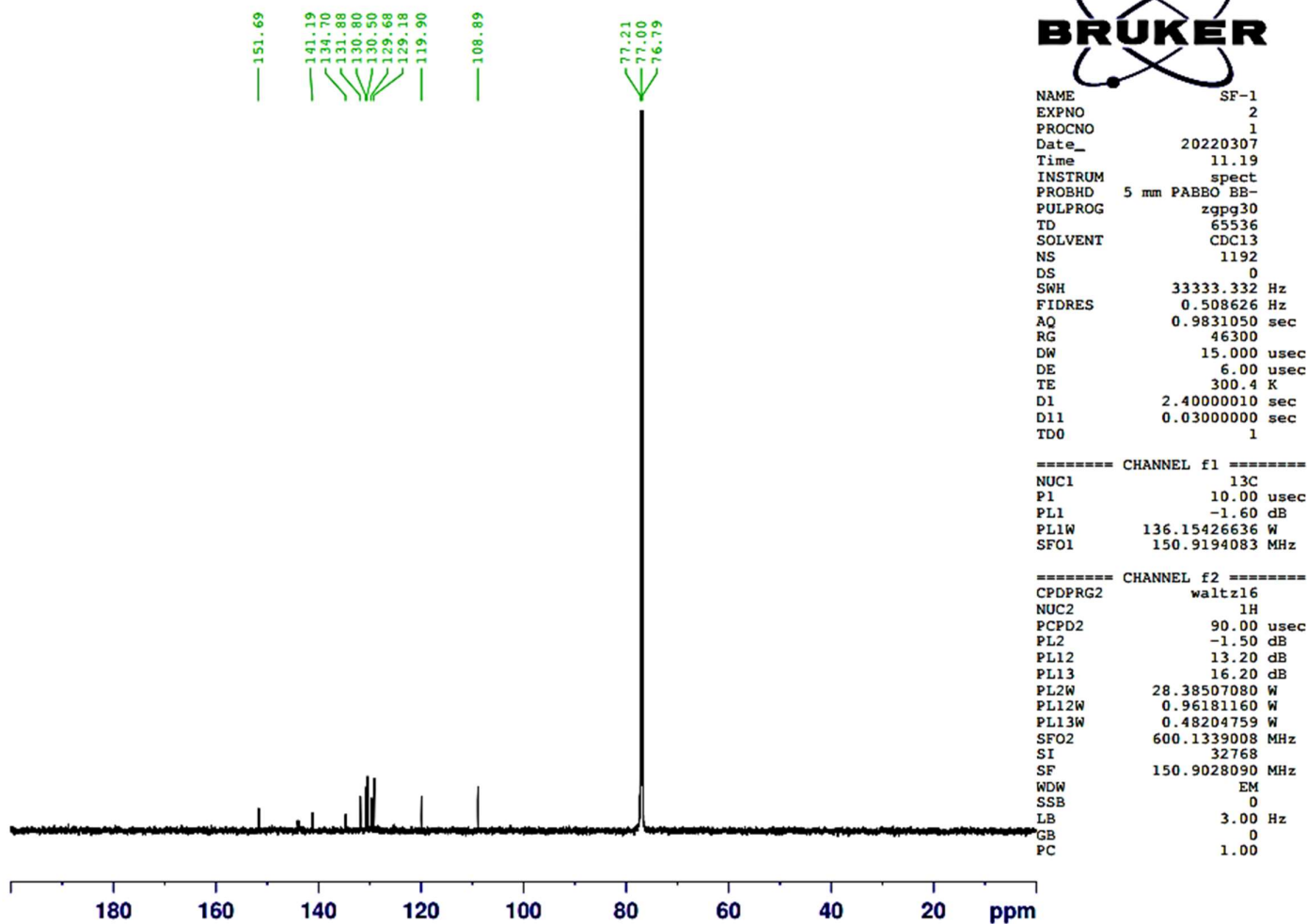


Figure S3. ¹³C NMR spectrum of compound SF-1, measured in CDCl₃ at 151 MHz.

DEPT135 of SF-1



```

NAME          SF-1
EXPNO         13
PROCNO        1
Date_         20220307
Time          13.41
INSTRUM       spect
PROBHD        5 mm PABBO BB-
PULPROG       dept135
TD            65536
SOLVENT       CDCl3
NS            769
DS            8
SWH           33333.332 Hz
FIDRES        0.508626 Hz
AQ            0.9831050 sec
RG            46300
DW            15.000 usec
DE            6.00 usec
TE            300.0 K
CNST2         145.00000000
D1            2.000000000 sec
D2            0.00344828 sec
D12           0.00002000 sec
TD0           1
  
```

```

===== CHANNEL f1 =====
NUC1          13C
P1            10.00 usec
P2            20.00 usec
PL1           -1.60 dB
PL1W          136.15426636 W
SFO1          150.9194083 MHz
  
```

```

===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
P3            15.00 usec
P4            30.00 usec
PCPD2         90.00 usec
PL2           -1.50 dB
PL12          13.20 dB
PL2W          28.38507080 W
PL12W         0.96181160 W
SFO2          600.1346700 MHz
SI            32768
SF            150.9028090 MHz
WDW           EM
SSB           0
LB            3.00 Hz
GB            0
PC            1.00
  
```

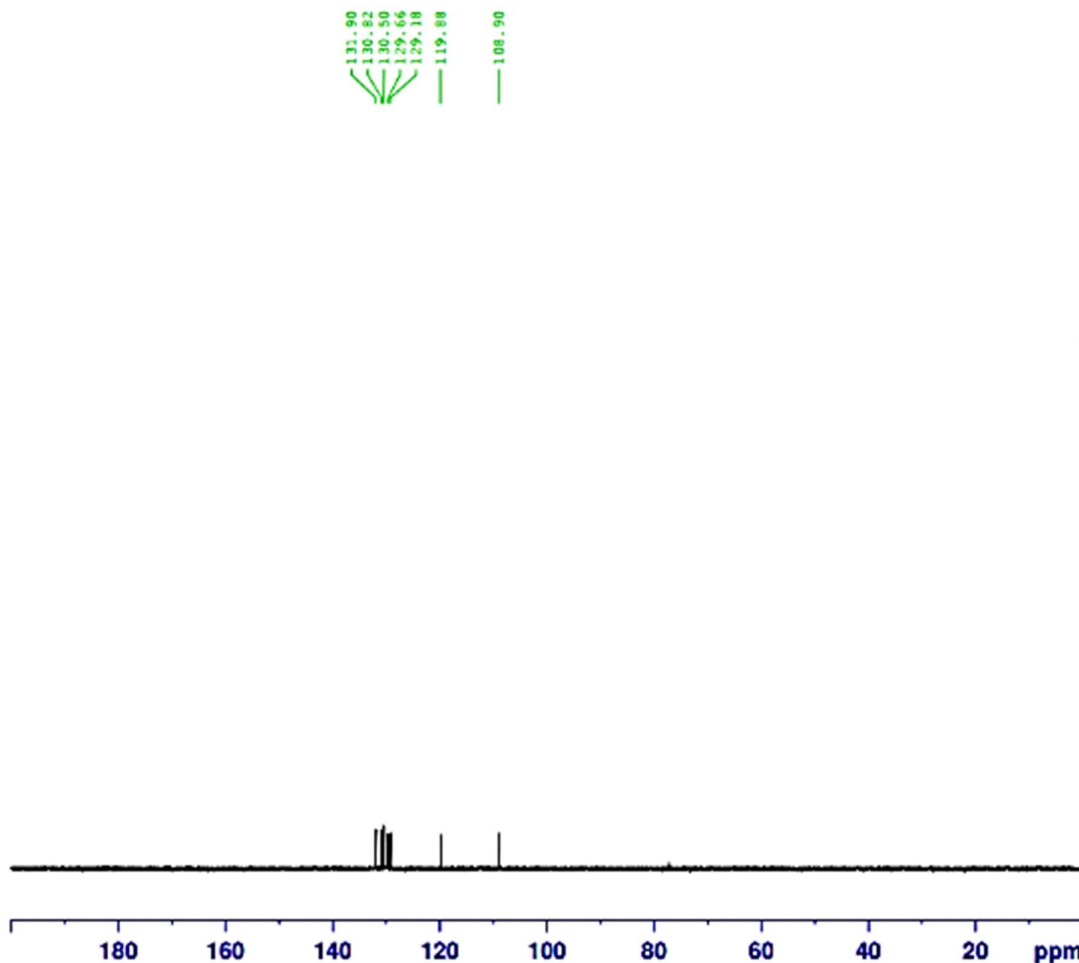


Figure S4. DEPT 135 spectrum of compound SF-1, measured in CDCl₃ at 151 MHz.

DEPT90 of SF-1

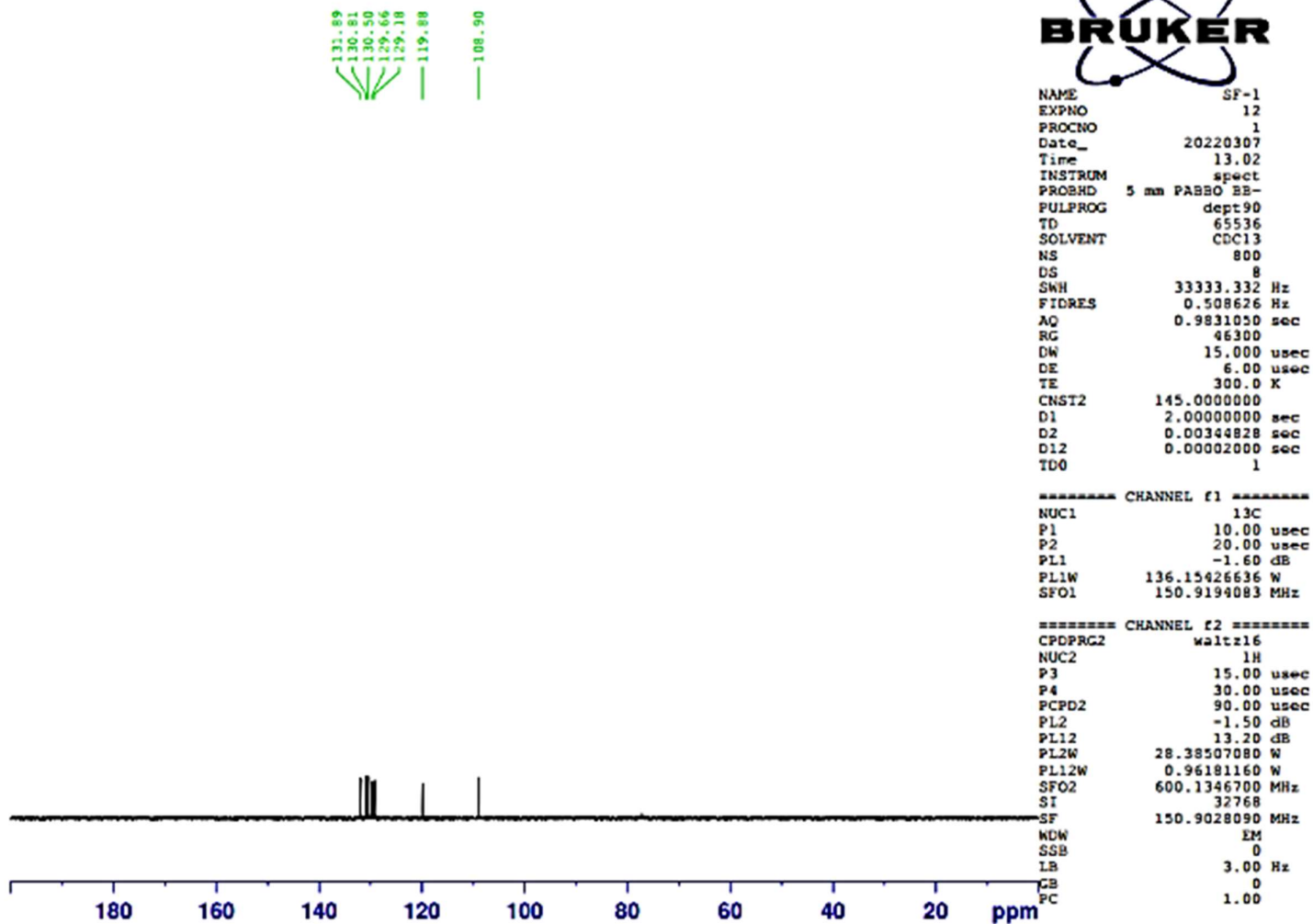


Figure S5. DEPT 90 spectrum of compound SF-1, measured in CDCl₃ at 151 MHz.

DEPT45 of SF-1

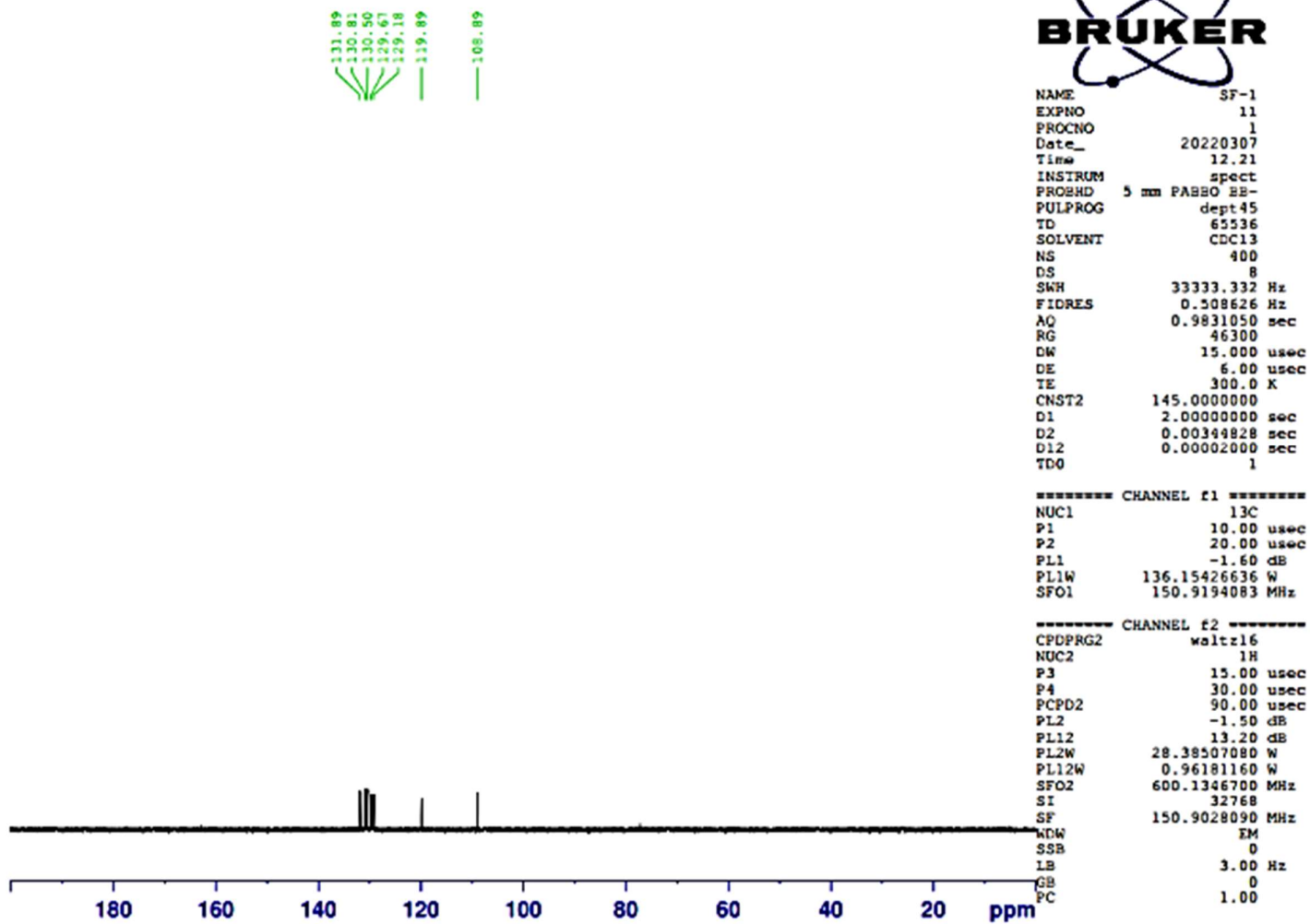


Figure S6. DEPT 45 spectrum of compound SF-1, measured in CDCl₃ at 151 MHz.