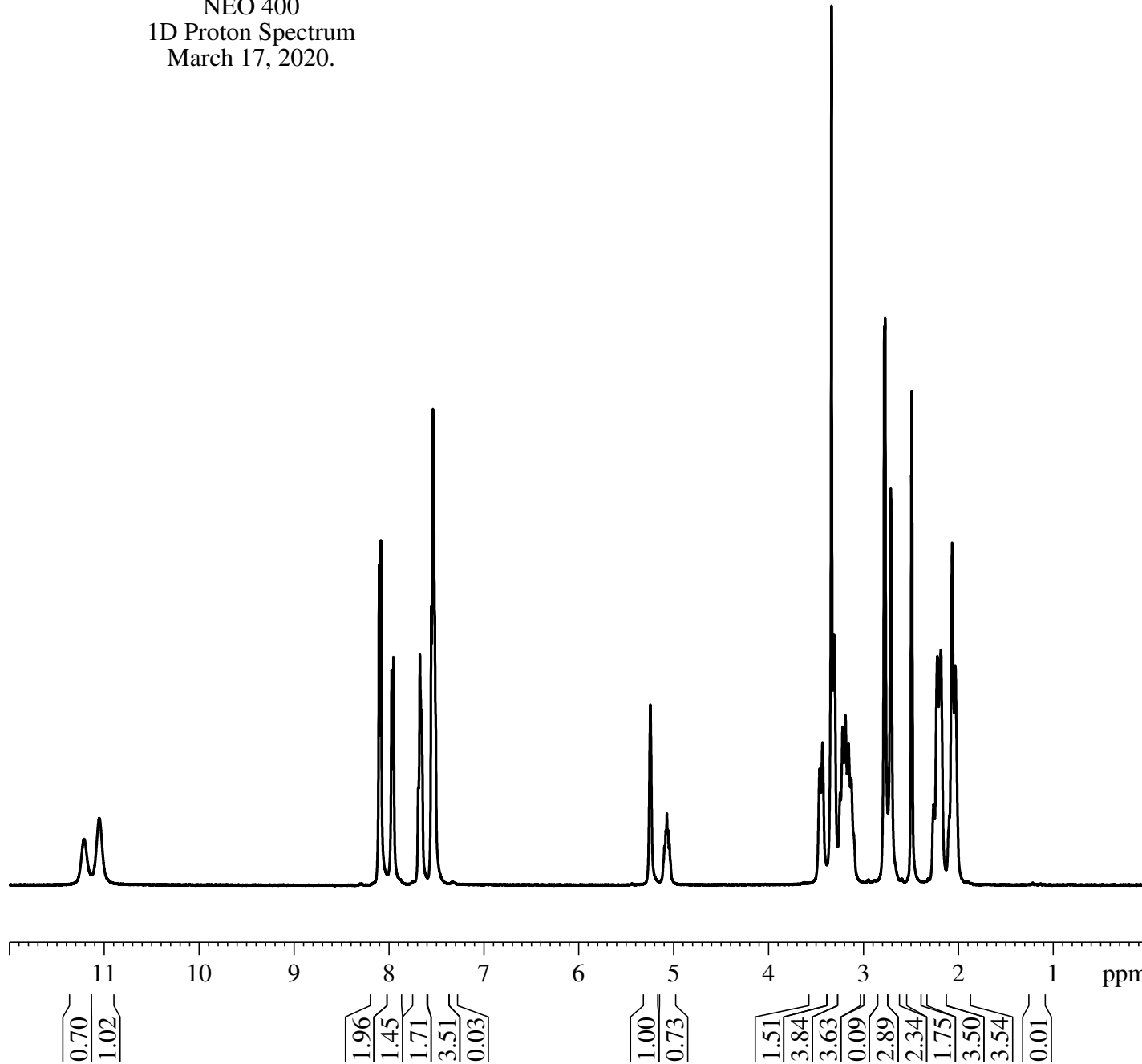


Piperazine HCl in DMSO-d6  
NEO 400  
1D Proton Spectrum  
March 17, 2020.

Current Data Parameters  
NAME Syntharise031621  
EXPNO 420  
PROCNO 1

F2 - Acquisition Parameters  
Date\_ 20210317  
Time 13.38 h  
INSTRUM Avance Neo 400  
PROBHD Z104450\_0313 (  
PULPROG zg30  
TD 65536  
SOLVENT DMSO  
NS 16  
DS 0  
SWH 8196.722 Hz  
FIDRES 0.250144 Hz  
AQ 3.9976959 sec  
RG 101  
DW 61.000 usec  
DE 13.54 usec  
TE 301.1 K  
D1 0.10000000 sec  
TD0 1  
SFO1 400.3424721 MHz  
NUC1 1H  
P0 3.33 usec  
P1 10.00 usec  
PLW1 14.20300007 W

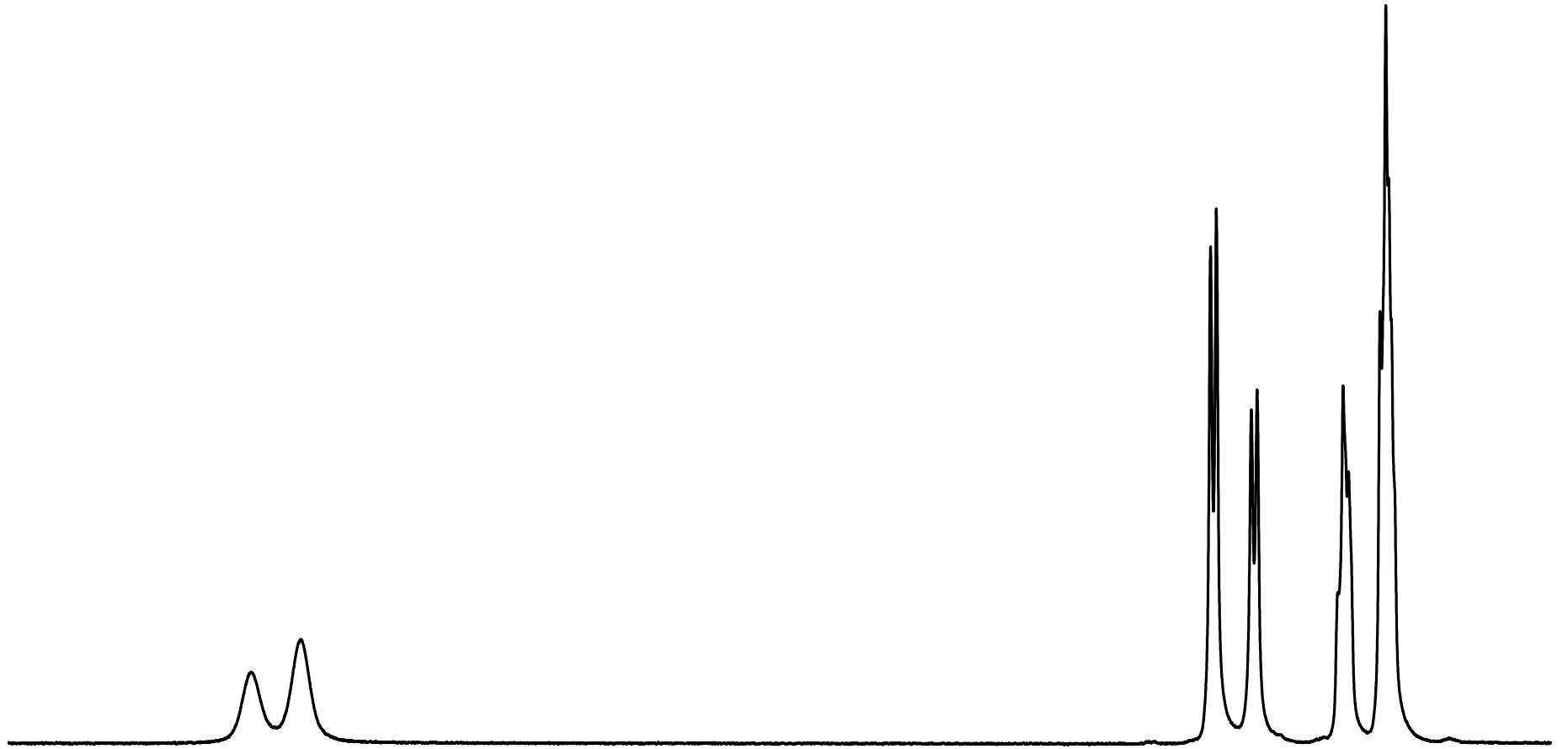
F2 - Processing parameters  
SI 65536  
SF 400.340067 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00



— 11.213  
— 11.050

Pipercaïne HCl in DMSO-d6  
NEO 400  
1D Proton Spectrum  
March 17, 2020.

8.103  
8.084  
7.971  
7.952  
7.689  
7.673  
7.656  
7.554  
7.535  
7.526



11.5

11.0

10.5

10.0

9.5

9.0

8.5

8.0

7.5

ppm

0.70

1.02

1.96

1.45

1.71

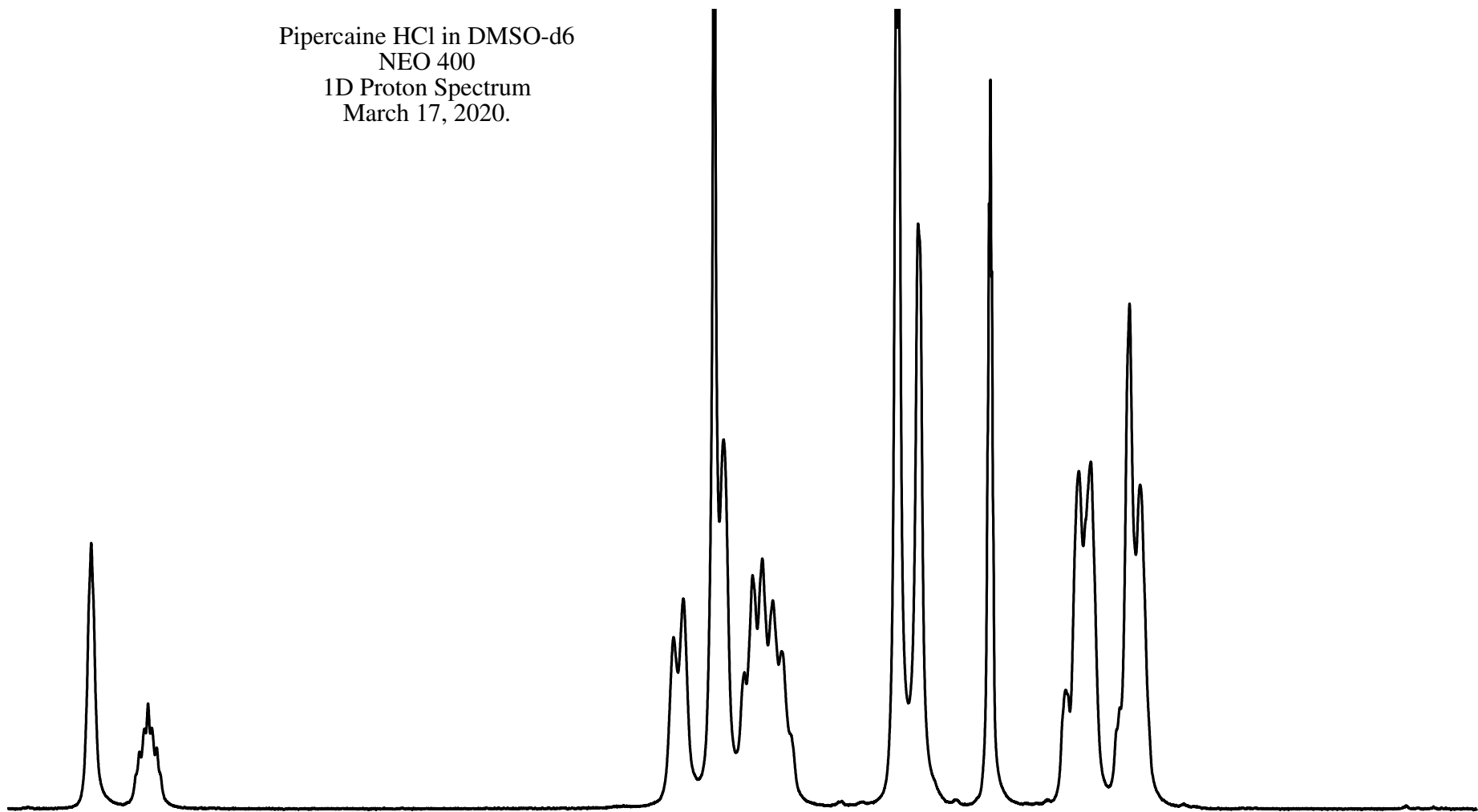
3.51

0.03

5.244  
5.097  
5.081  
5.070  
5.059  
5.043

3.461  
3.431  
3.307  
3.243  
3.218  
3.189  
3.156  
3.130  
2.779  
2.771  
2.711  
2.494  
2.490  
2.486  
2.259  
2.219  
2.182  
2.064  
2.031

Pipercaine HCl in DMSO-d6  
NEO 400  
1D Proton Spectrum  
March 17, 2020.



5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 ppm

1.00  
0.73

1.51  
3.84  
3.63  
0.09  
2.89  
2.34  
1.75  
3.50  
3.54

0.01