

Supplementary Material

Synthesis of novel bis- and poly(hydrazinylthiazole) linked to benzofuran or benzothiazole as new hybrid molecules

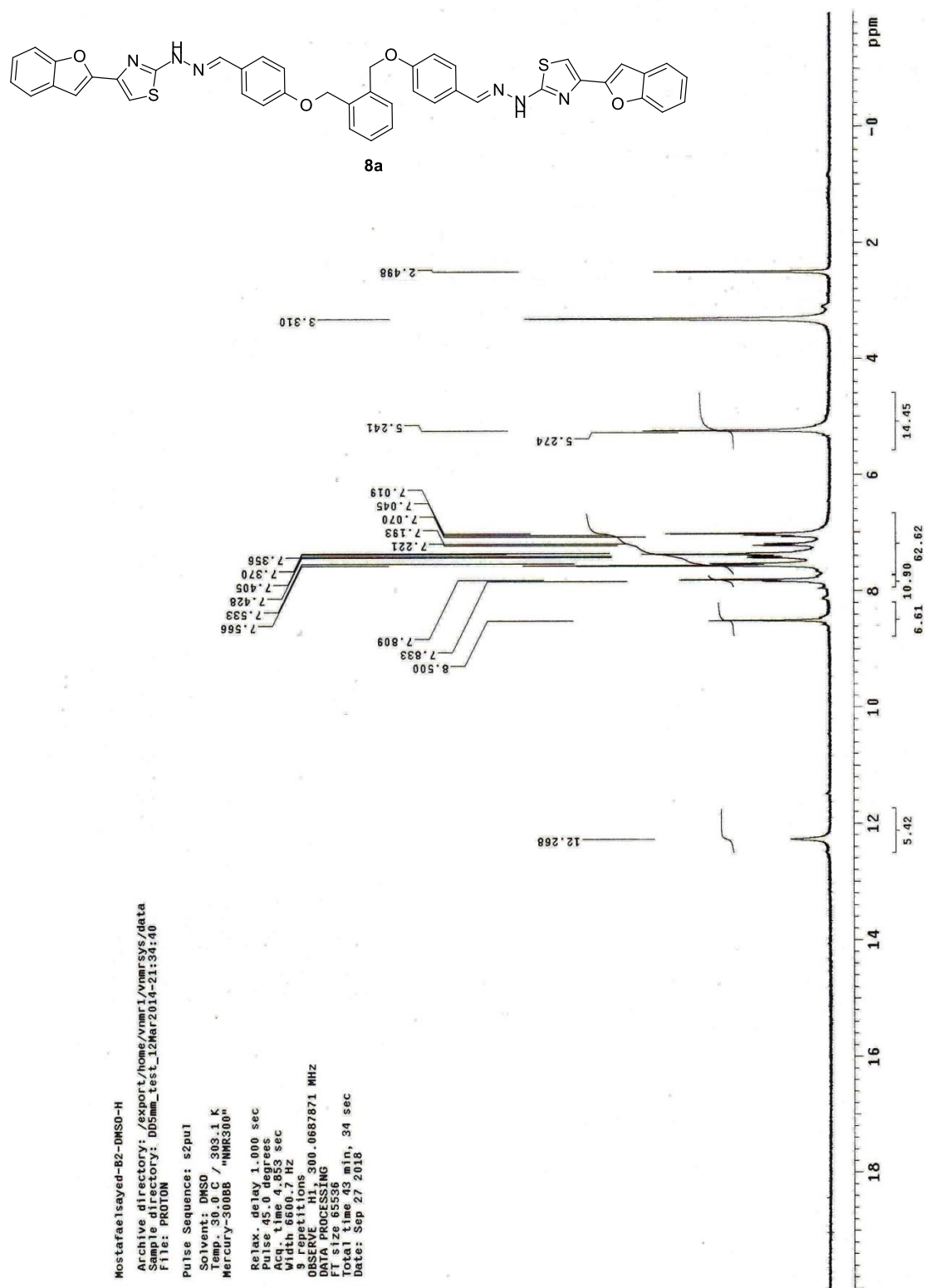
Mostafa E. Salem, Ahmed F. Darweesh, Mohamed R. Shaaban, and Ahmed H. M. Elwahy*

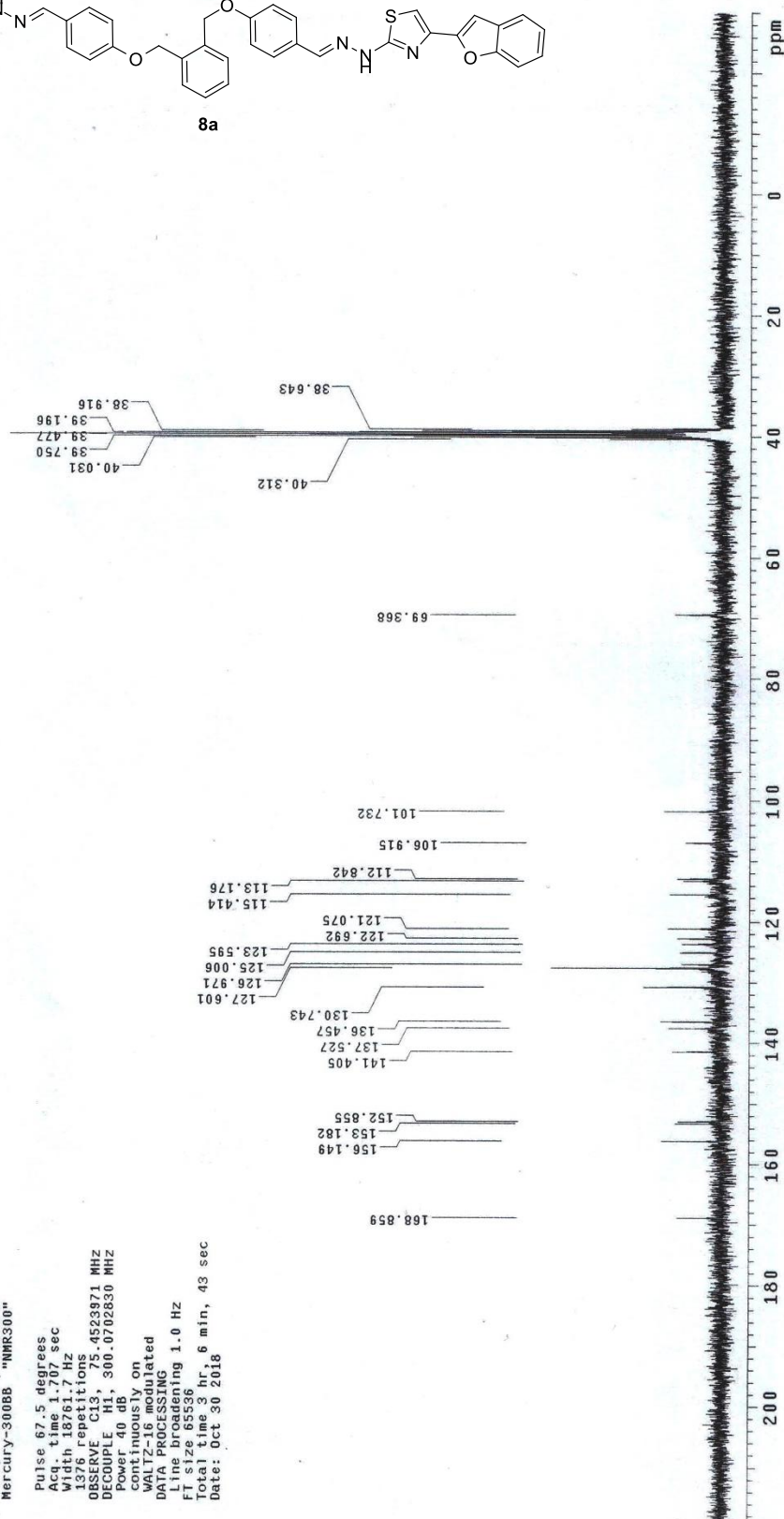
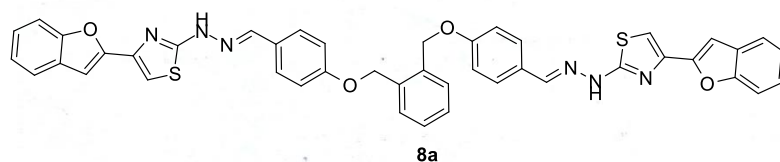
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E-mail: aelwahy@hotmail.com

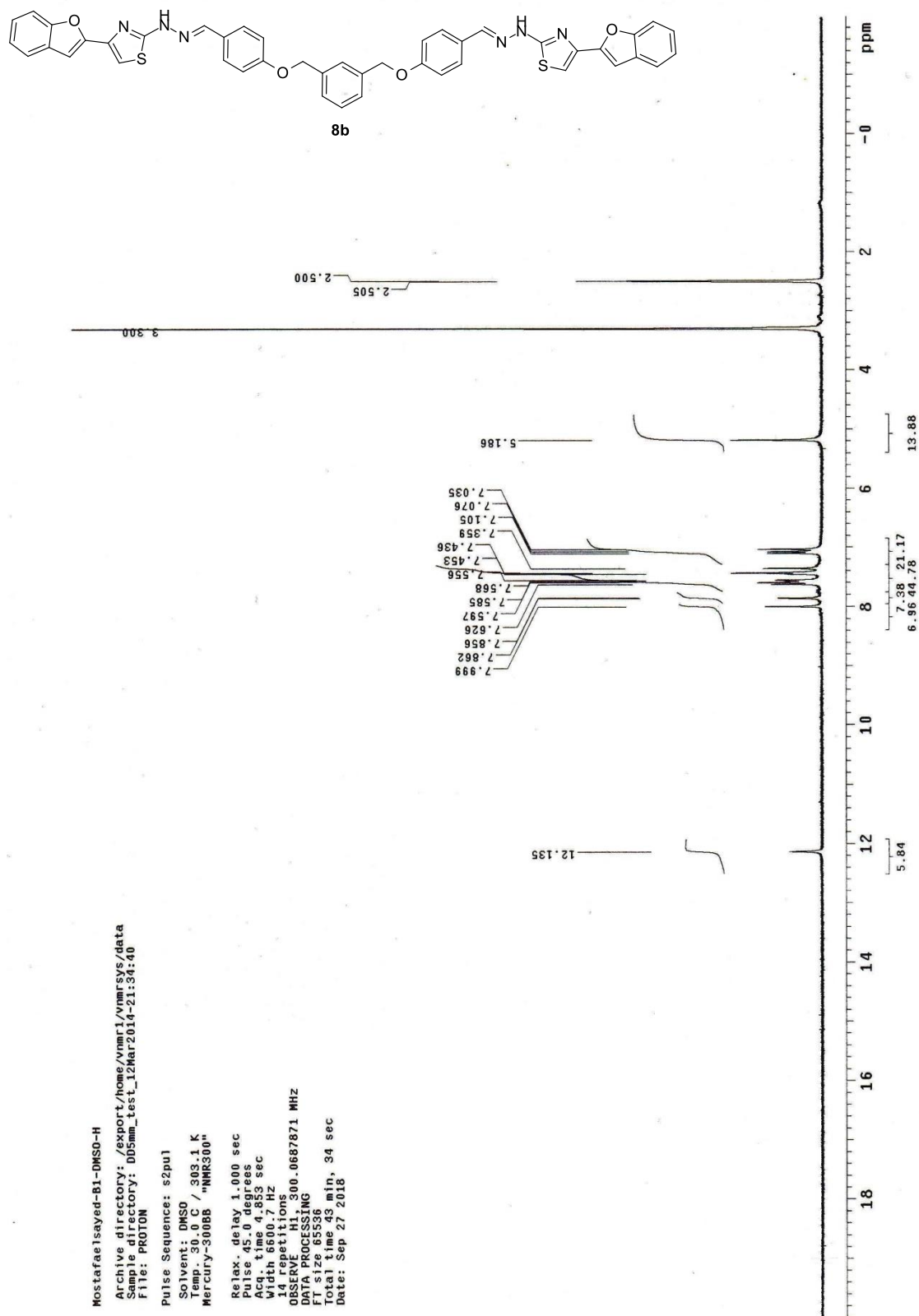
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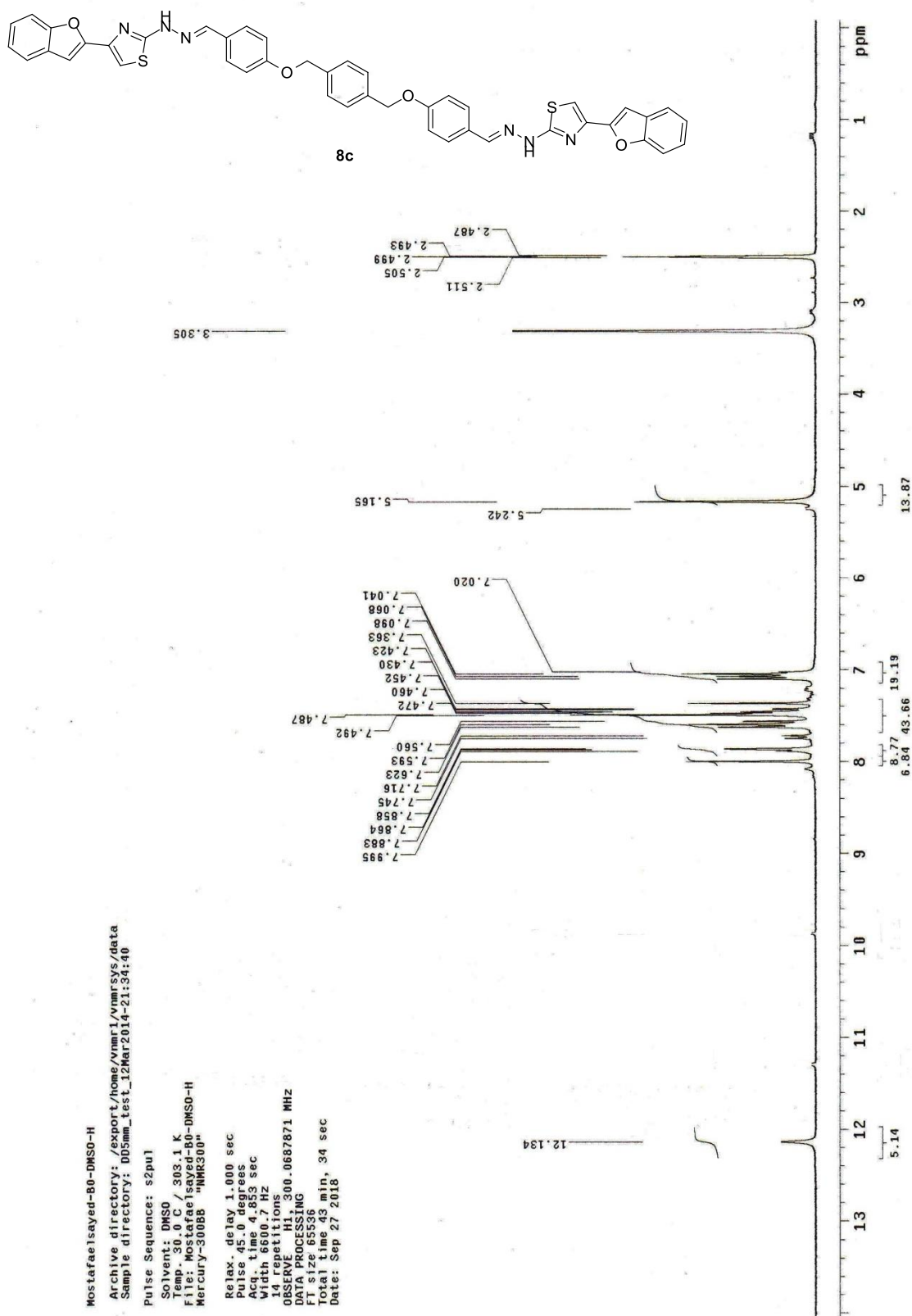
1. ^1H - and ^{13}C -NMR spectra 8a-c ; 9a-c ; 11a,b ; 12a,b ; 17 ; 18 ; 20 ; 21 and 23	S2
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^1H - and ^{13}C -NMR spectra

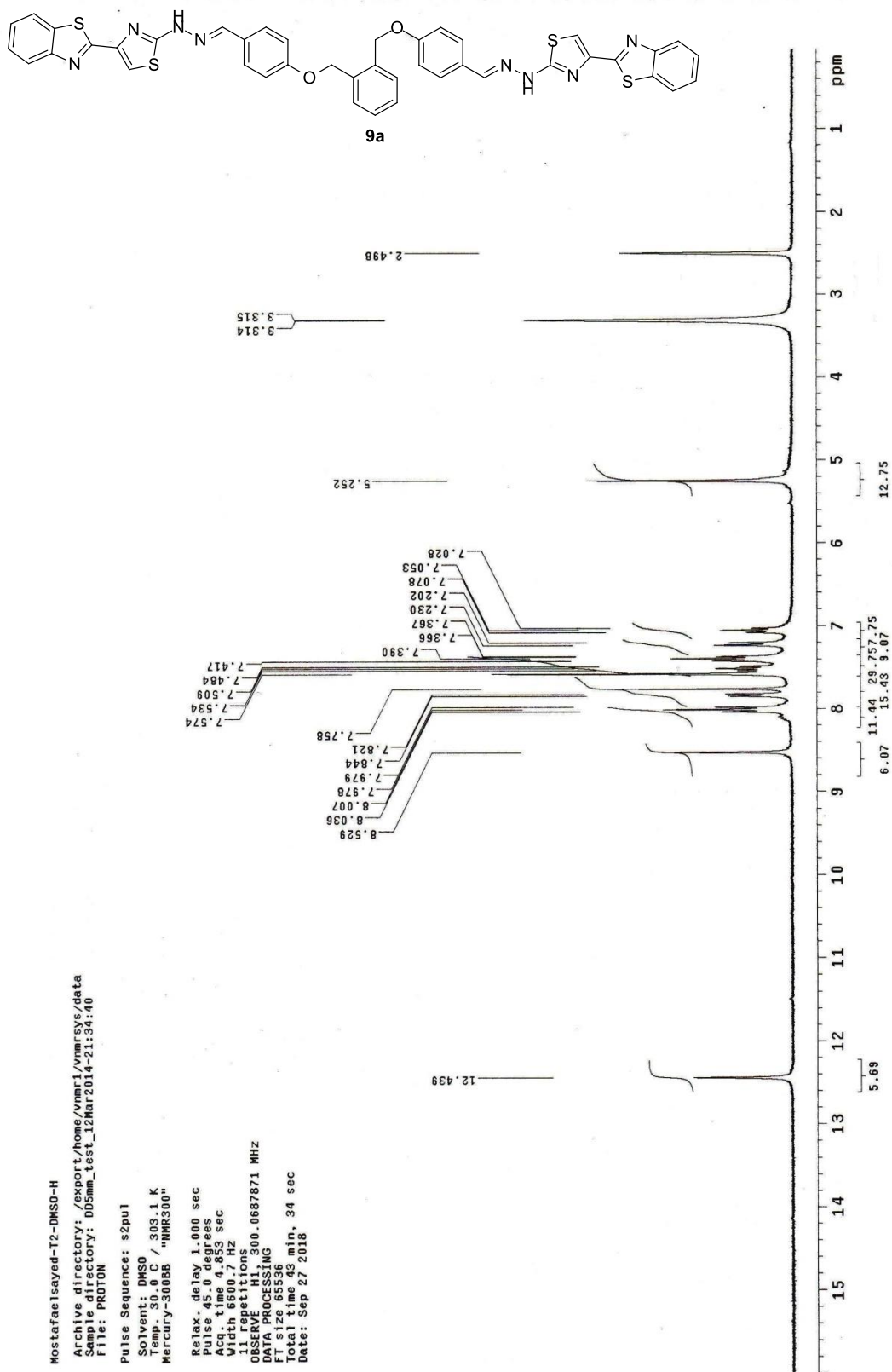


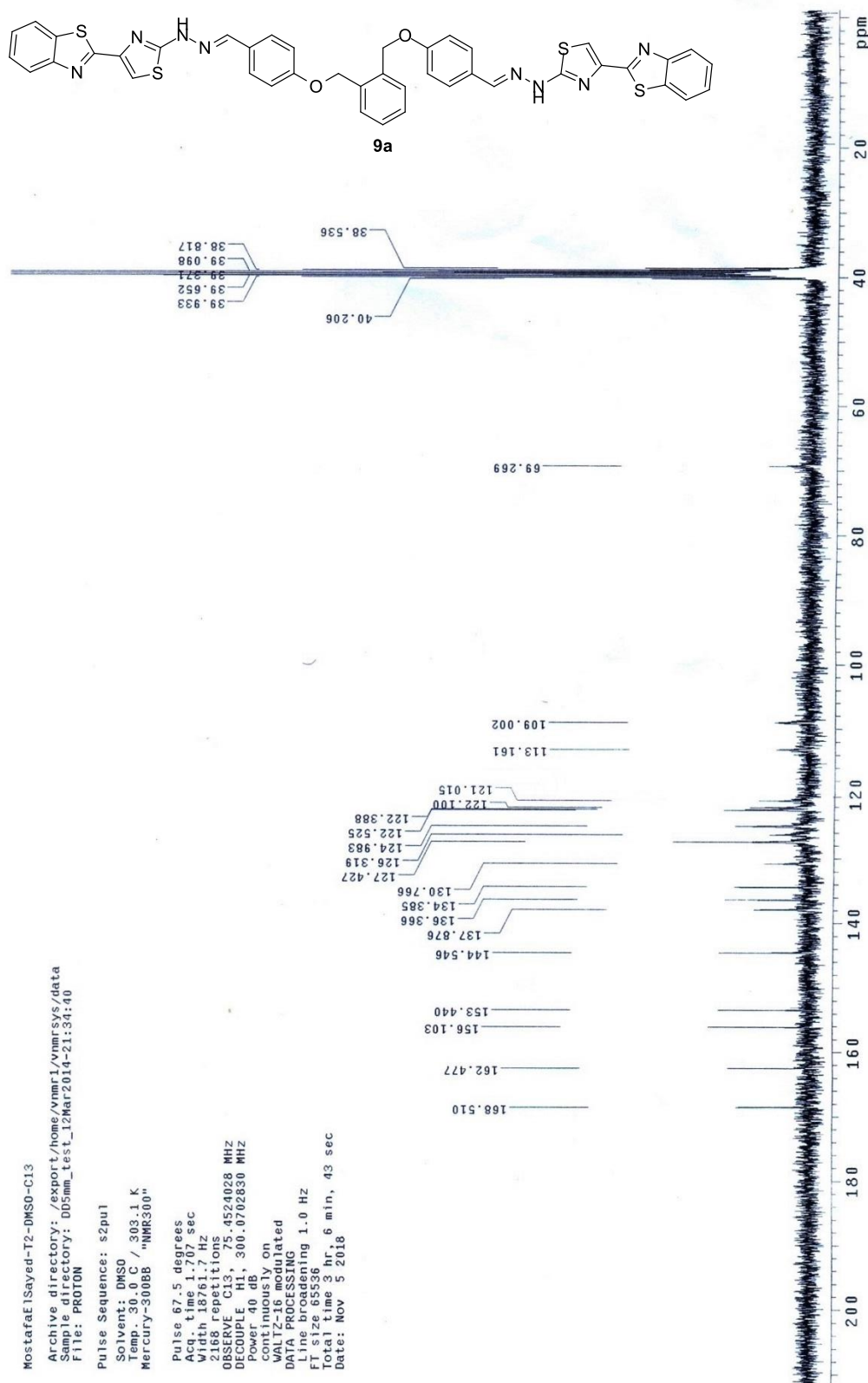
NostafaElIsayed-82-DMSO-C13
Archive directory: /export/home/vnmr1/vnmrsys/data
Sample directory: DD5mm_test_12Mar2014-21:34:40
File: PROTON
Pulse Sequence: s2pul
Solvent: DMSO
Temp: 30.0 C / 303.1 K
Mercury-300BB "NMR300"
Pulse 67.5 degrees
Acq. time 1.707 sec
Width 18761.7 Hz
1376 repetitions
OBSERVE C13, 75.4528971 MHz
DECOUPLE H1, 300.0702830 MHz
Pulse 140 dB
Continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FI size 65536
Total time 3 hr, 6 min, 43 sec
Date: Oct 30 2018

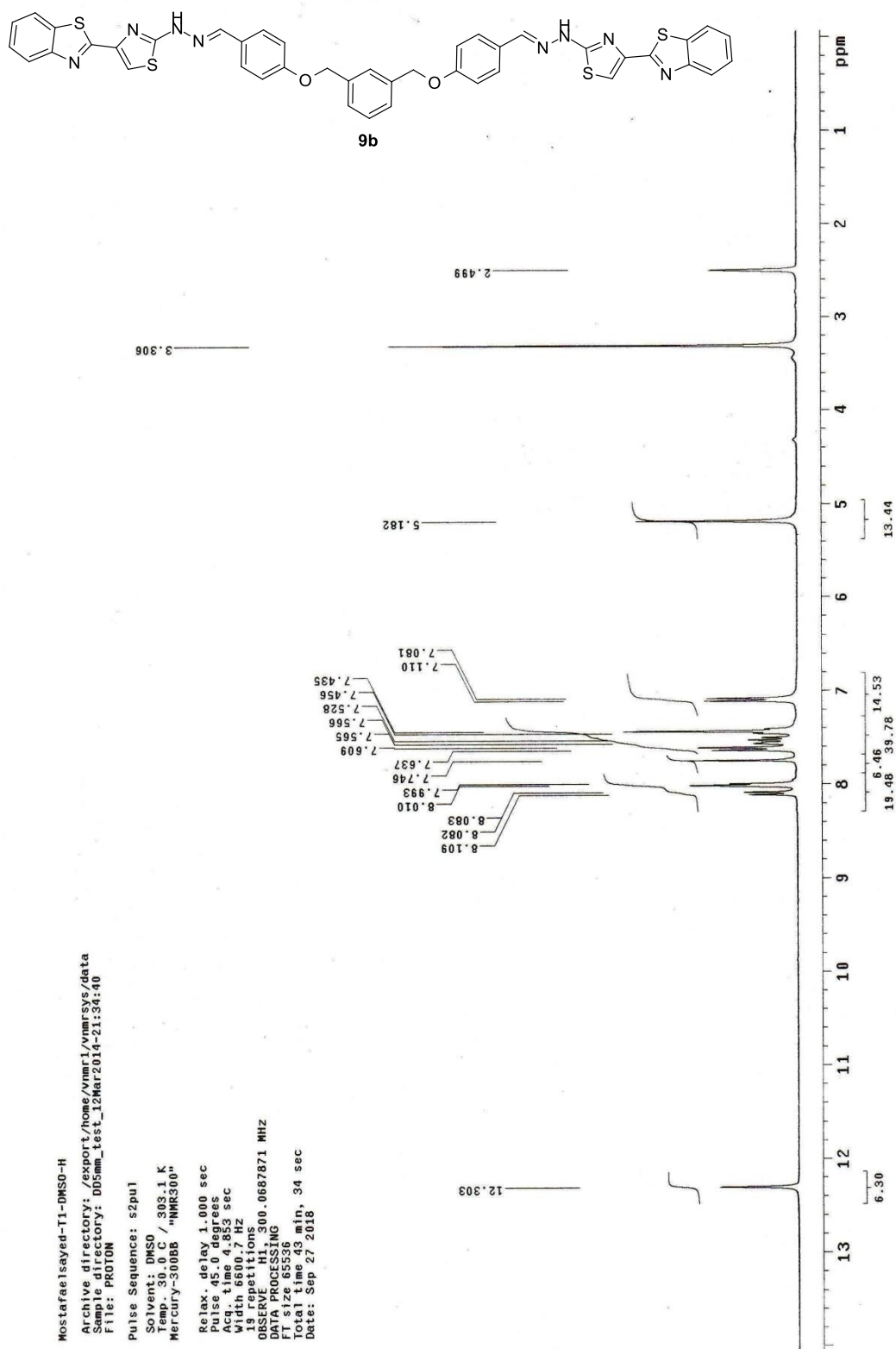


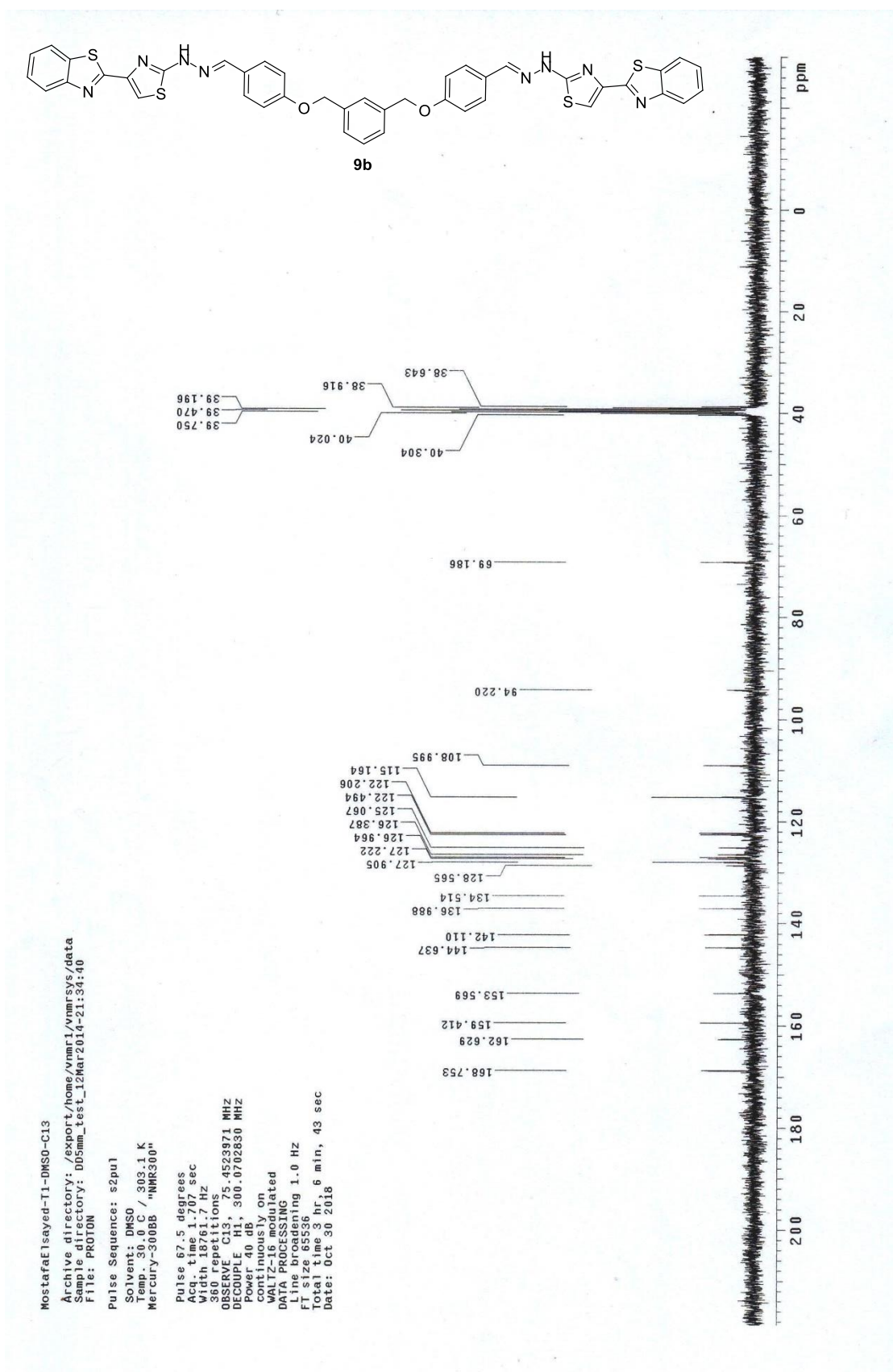


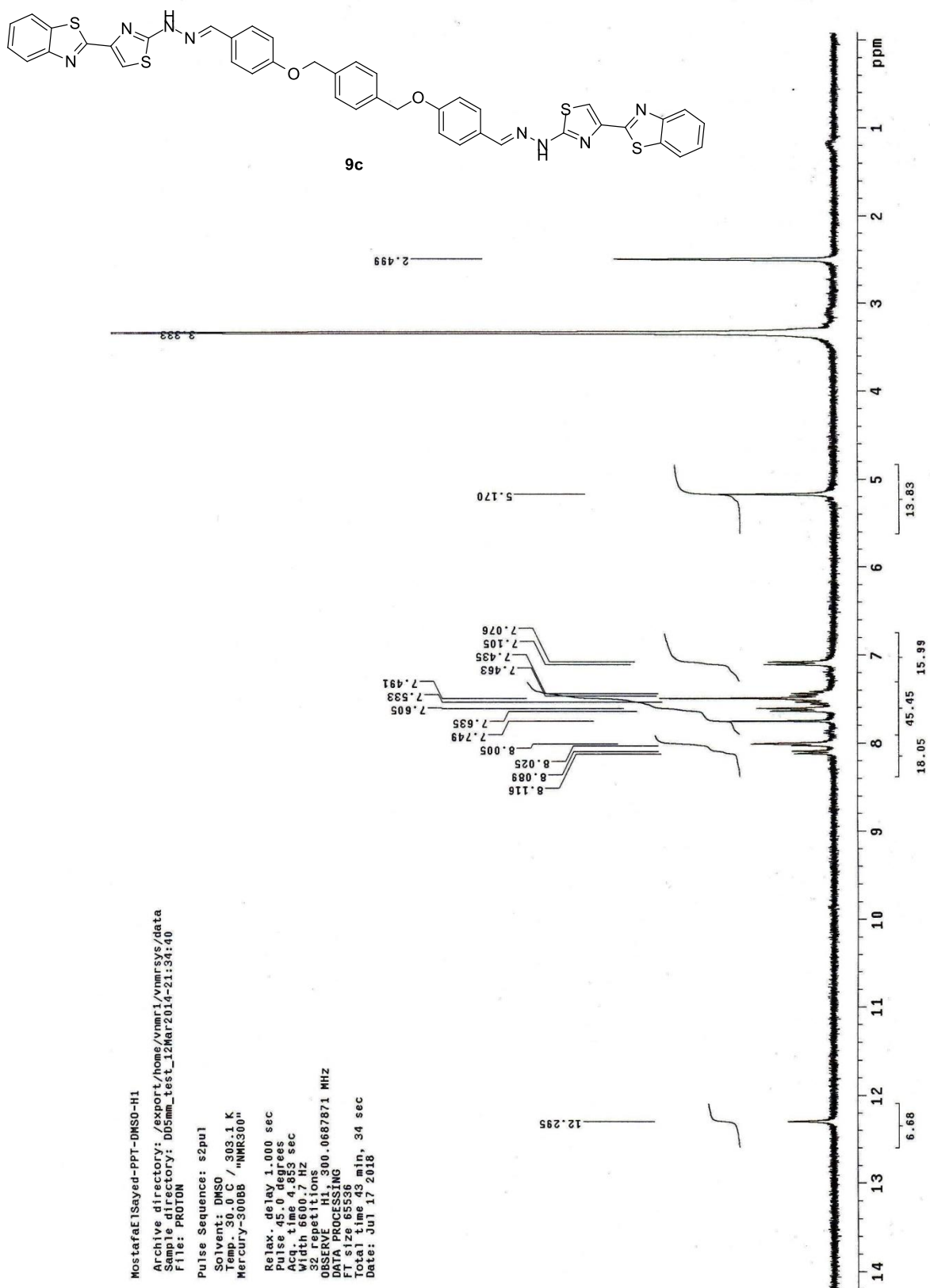












MostafaEISayed-PPT-DMSO-H1

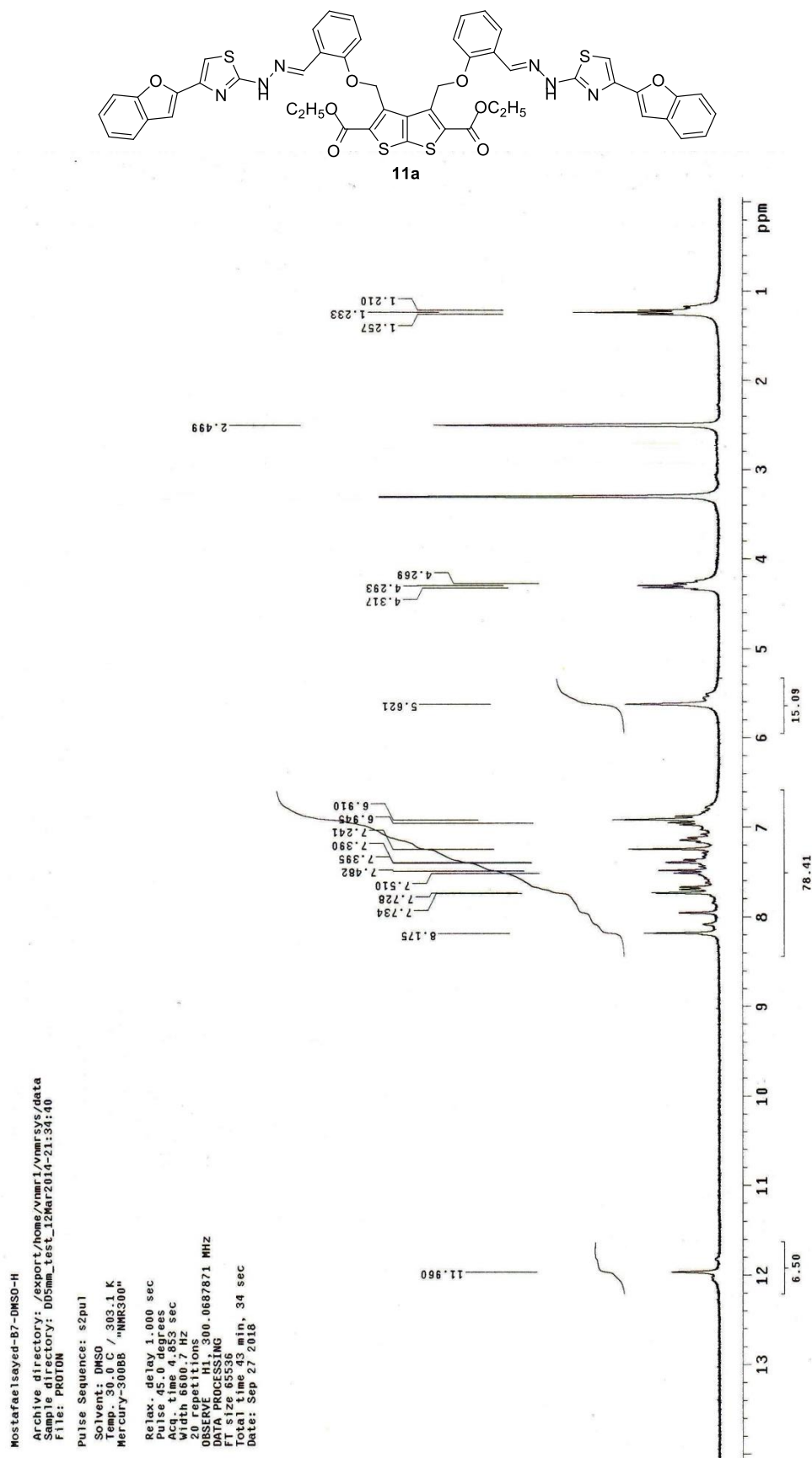
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Sample directory: DMSmm_test_12Mar2014-21:34:40
File: PROTON

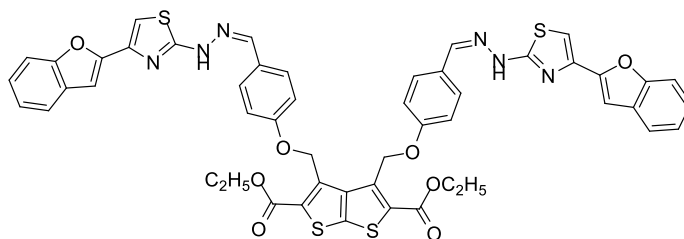
Pulse Sequence: s2pul

Solvent: DMSO
Temp.: 30.0 C / 303.1 K
Mercury-300BB "NMR300"

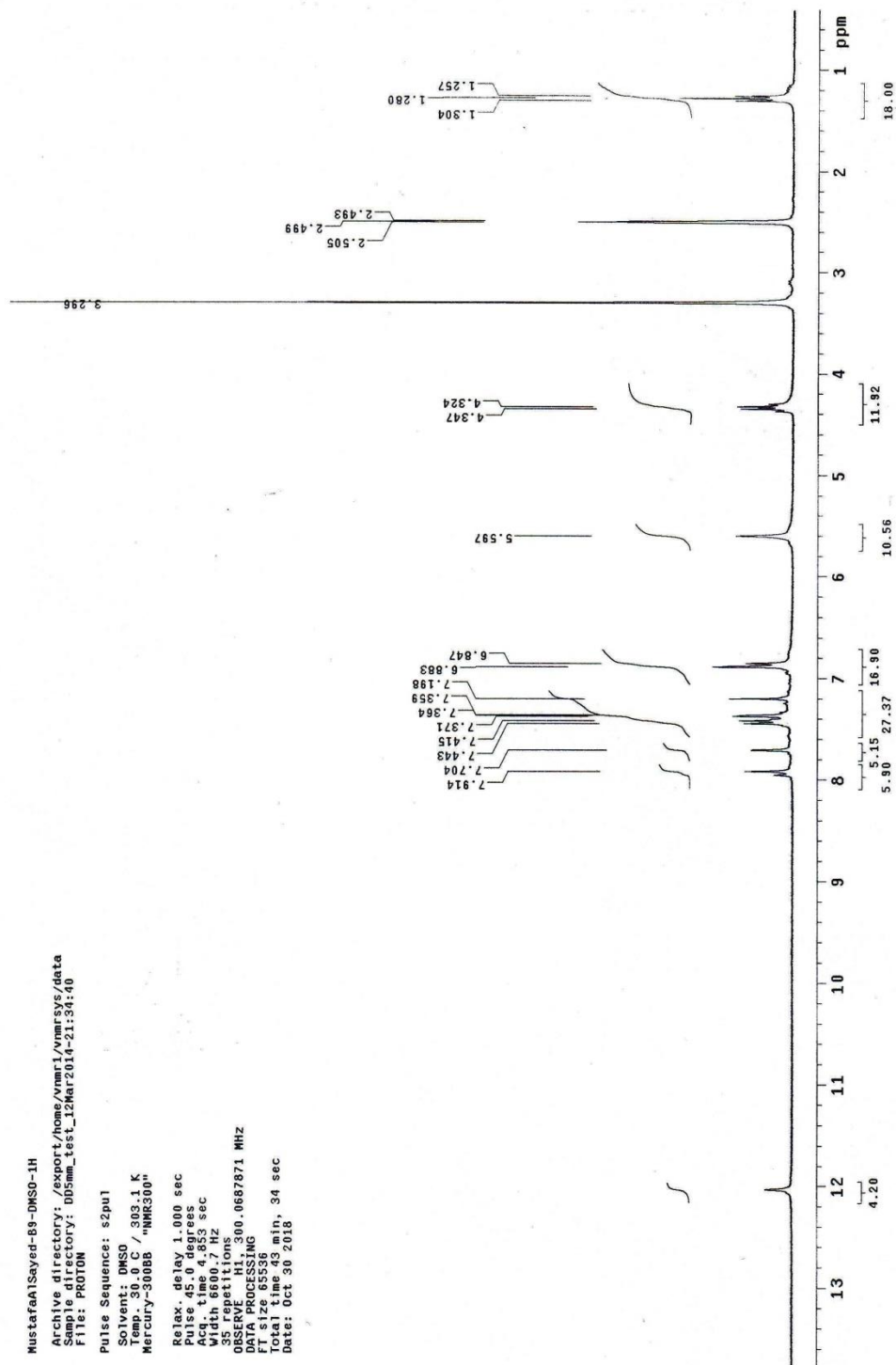
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 4.853 sec
Width 6600.7 Hz
SFO 300.136013 MHz

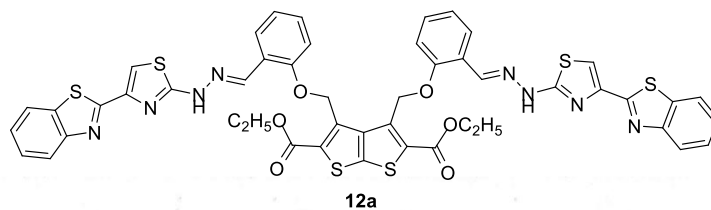
OBSERVE H1
DATA PROCESSING
FT size 65536
Total time 43 min, 34 sec
Date: Jul 17 2018



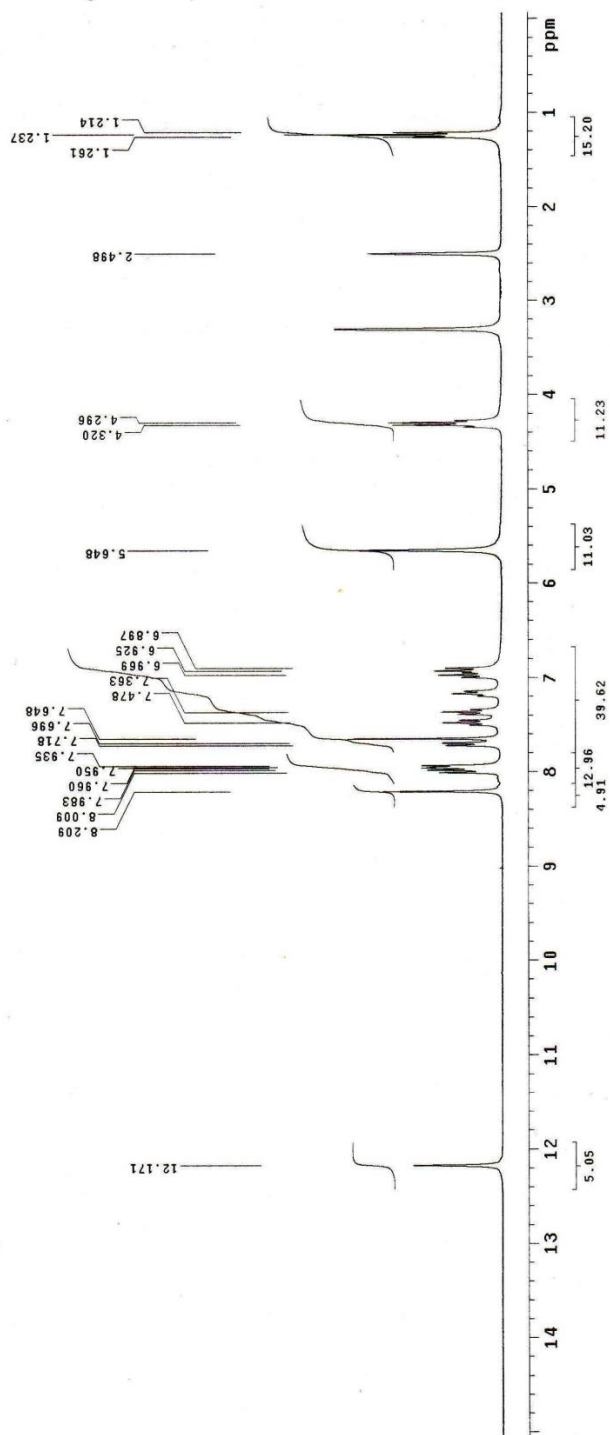


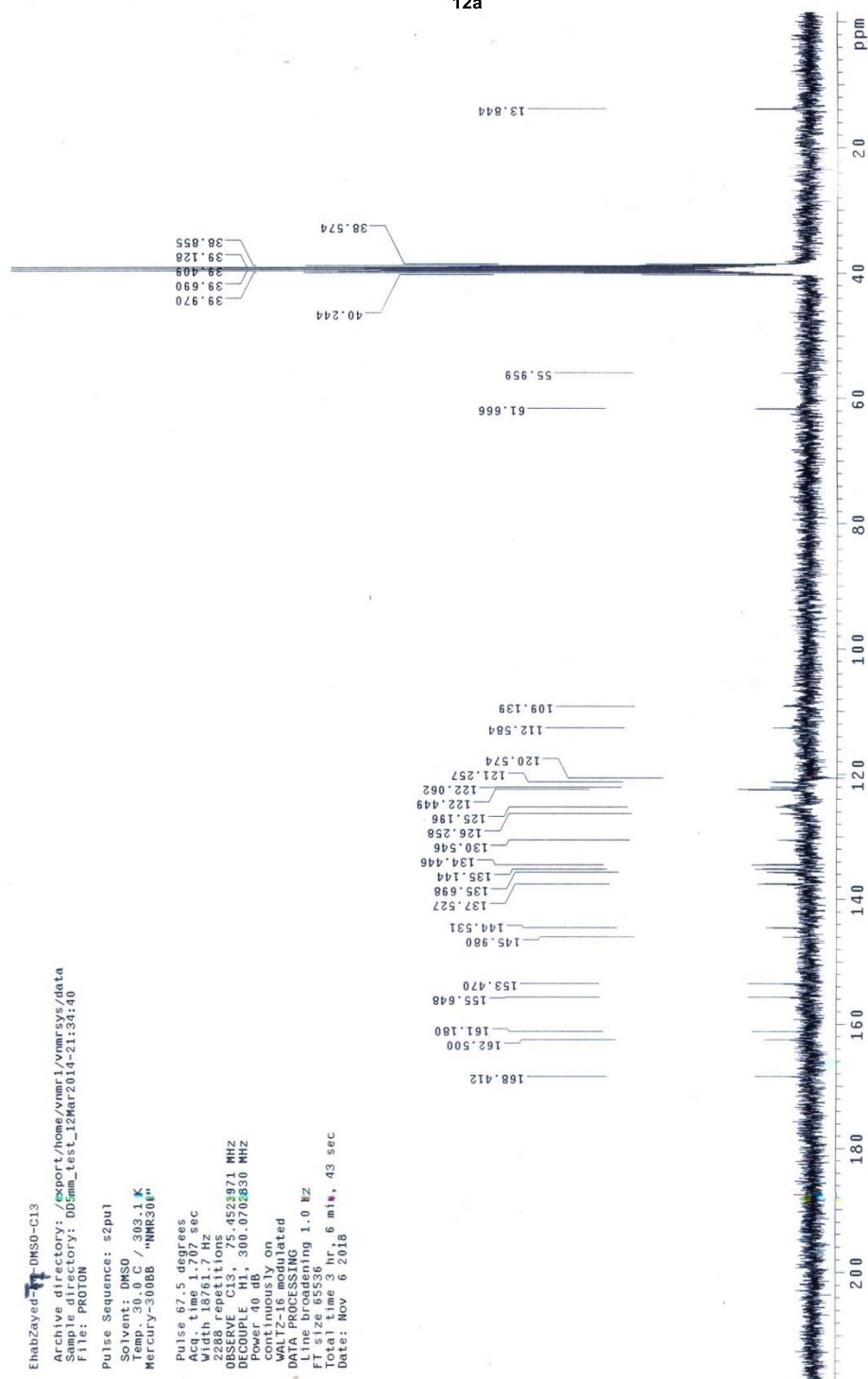
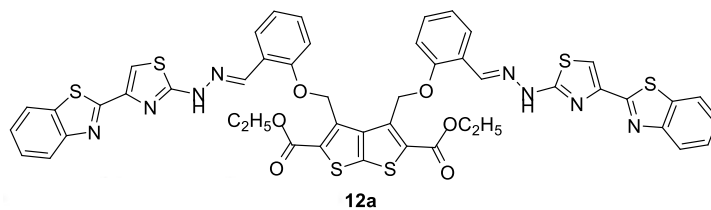
11b

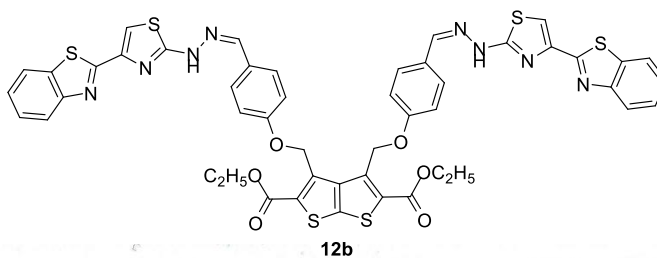




MostafaElsayed-T7-DMSO-H
 Archive directory: /export/home/vnmr1/vnmrsys/data
 Sample directory: D05mm_test_12Mar2014-21:34:40
 File: PROTON
 Pulse Sequence: s2pu1
 Solvent: DMSO
 Temperature: 30.0 C / 303.1 K
 Mercury-300MB "NMR300"
 Relax. delay 1.000 sec
 Pulse 45.0 degrees
 Acq. time 4.853 sec
 F1 time 0.012 sec
 F2 time 0.012 sec
 73 repetitions
 OBSERVE H1, 300.0687871 MHz
 DATA PROCESSING
 FT size 65536
 Total time 27 min, 34 sec
 Date: Sep 27 2018







MustafaAlSayed-T9-DMSO-1H
Archive directory: /export/home/vmr1/vmarsys/data
File: DMSO_test_12Mar2014-21:34:40
File: PROT0N
Pulse Sequence: s2pul1
Solvent: DMSO
Temp: 30.0 C / 303.1 K
Mercury-300BB "NMR300"
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 0.02 sec
Width 6600.7 Hz
26 repetitions
OBSERVE H1, 300.0687871 MHz
DATA PROCESSING
F1: 1286528
Total time 23 min, 34 sec
Date: Oct 30 2018

