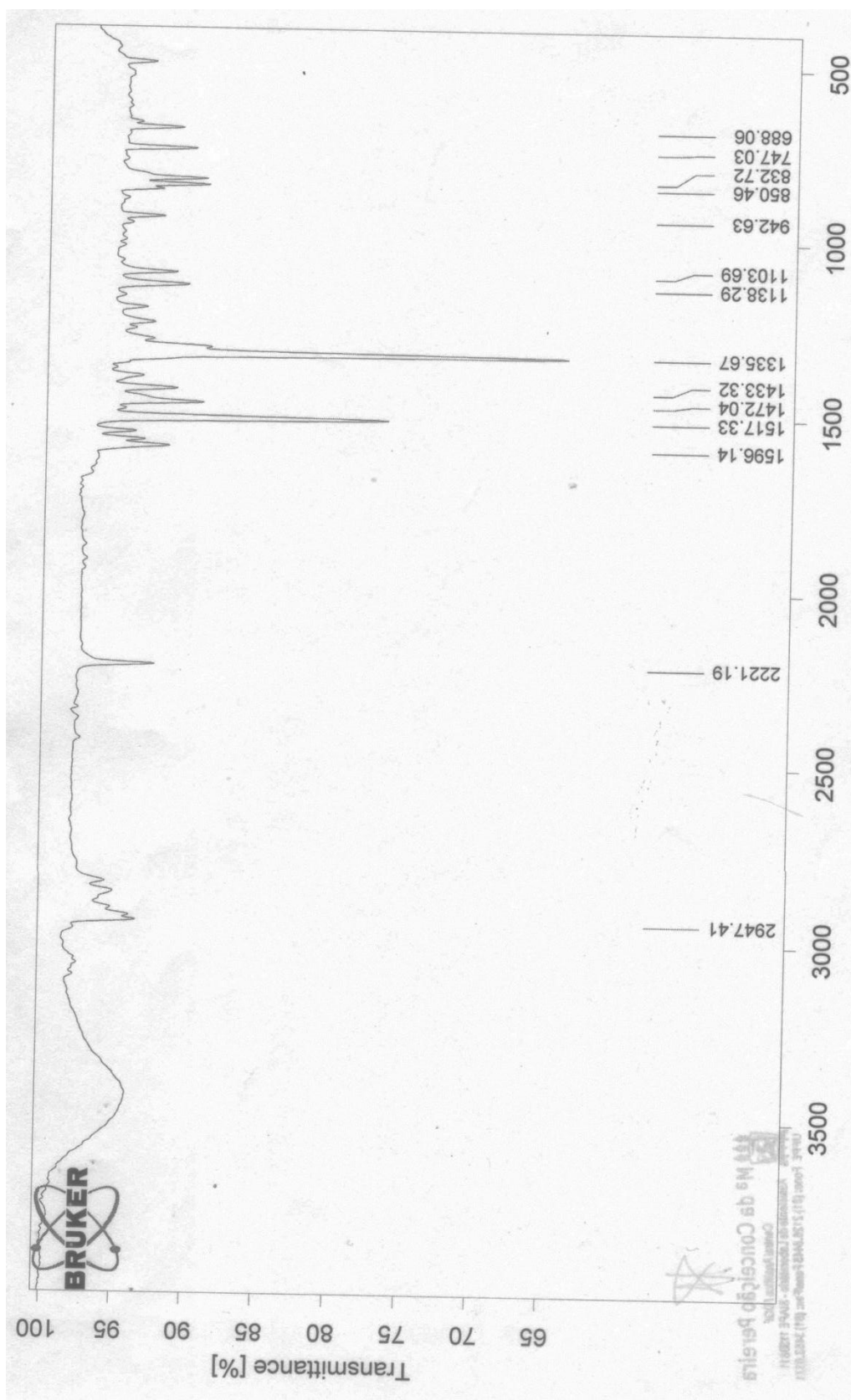
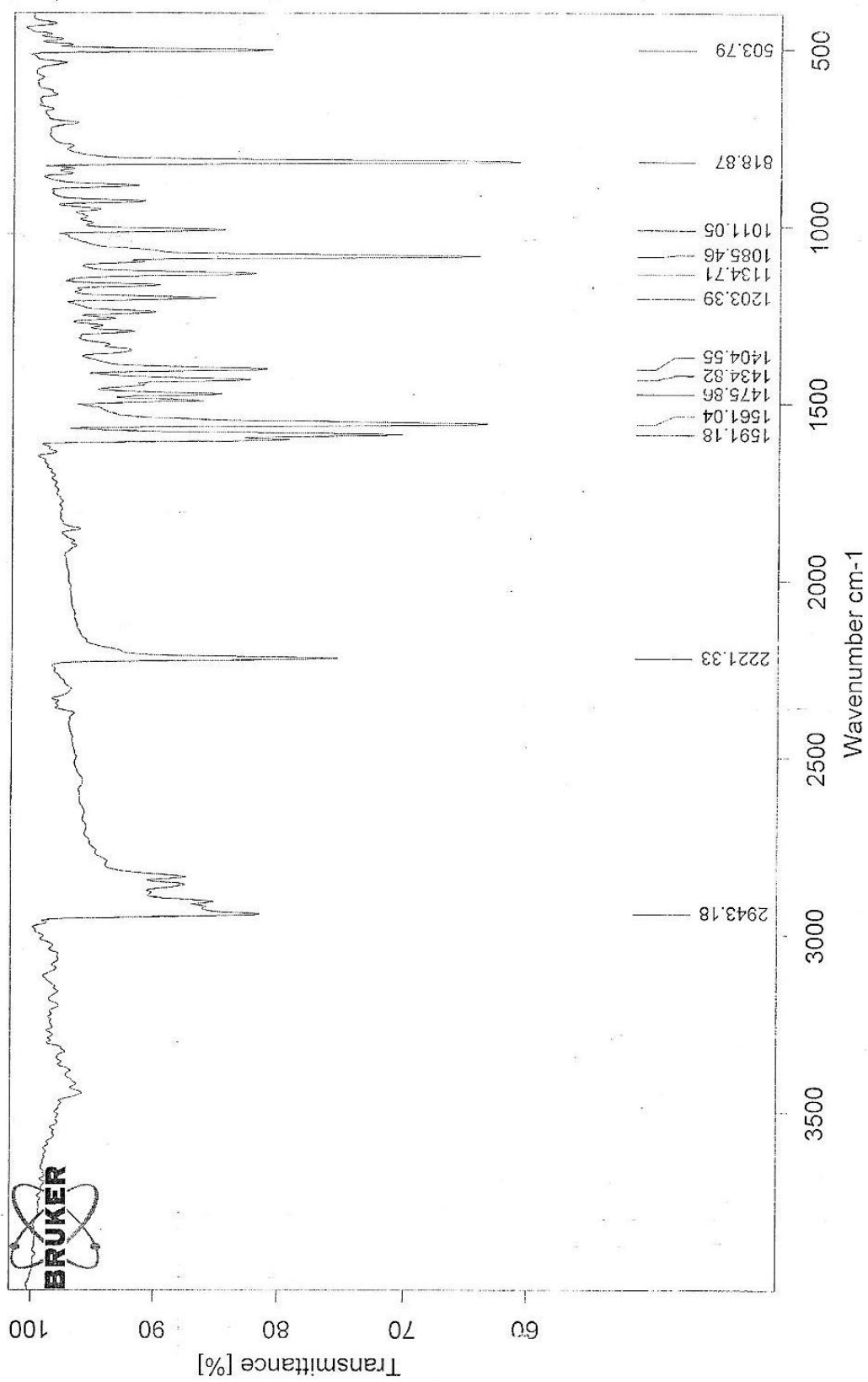


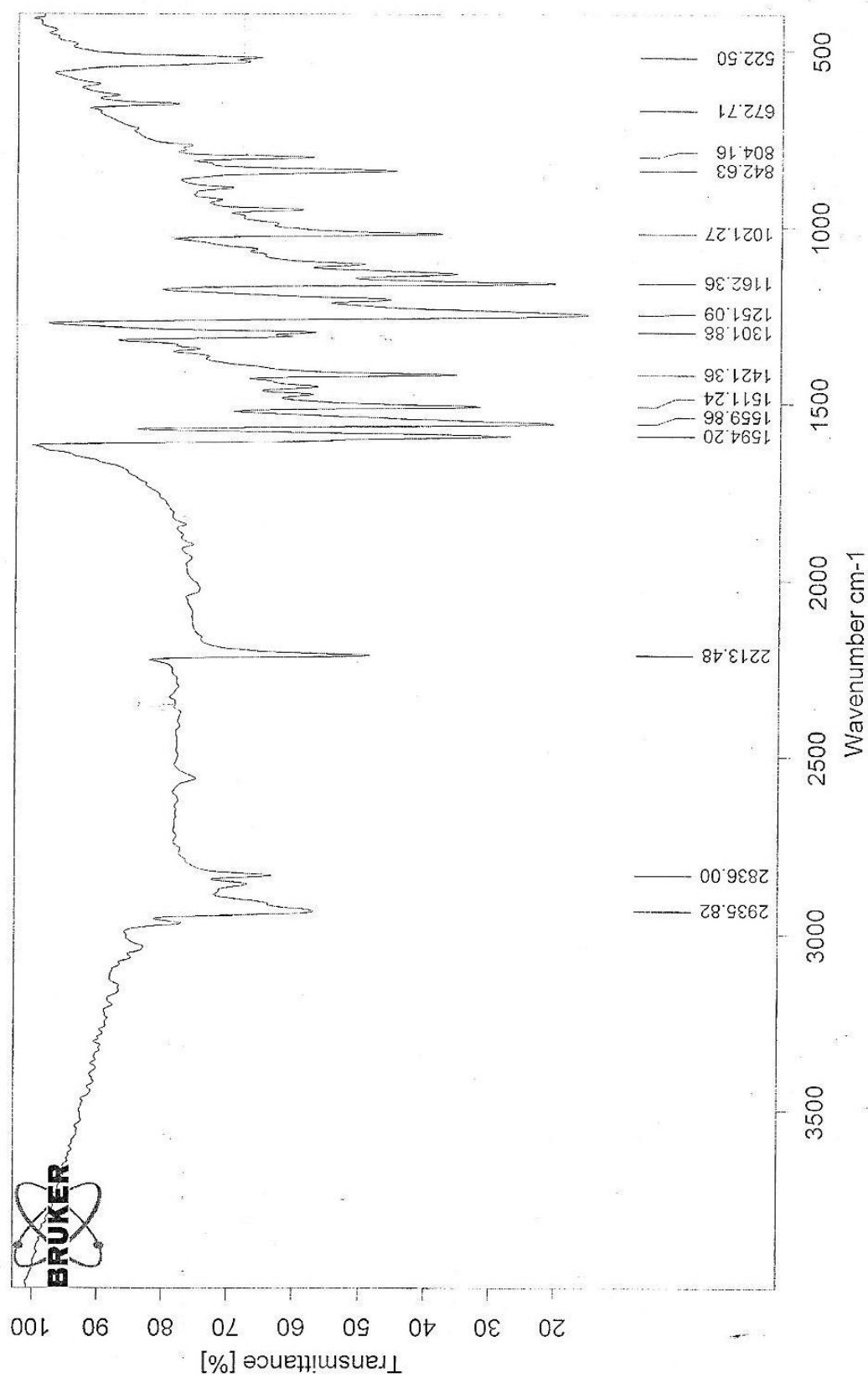
2-[4-nitro-benzilideno)-amino]-4,5,6,7-tetrahydro-benzo[b]tiofeno-3-carbonitrila  
(6CN10)



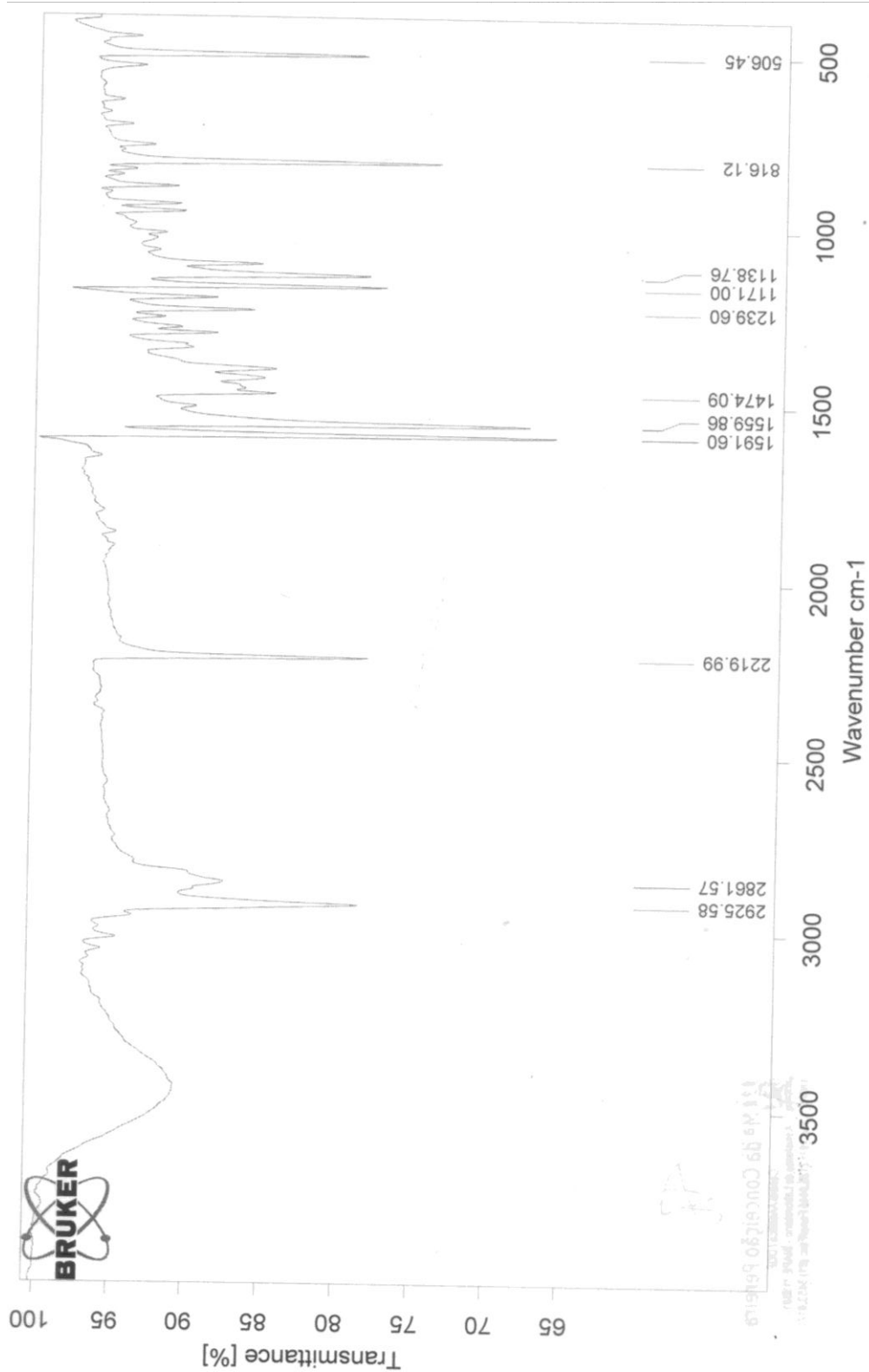
2-[(4-cloro-benzilideno)-amino]-4,5,6,7-tetraidro-benzo[b]tiofeno-3-carbonitrila  
(6CN11)



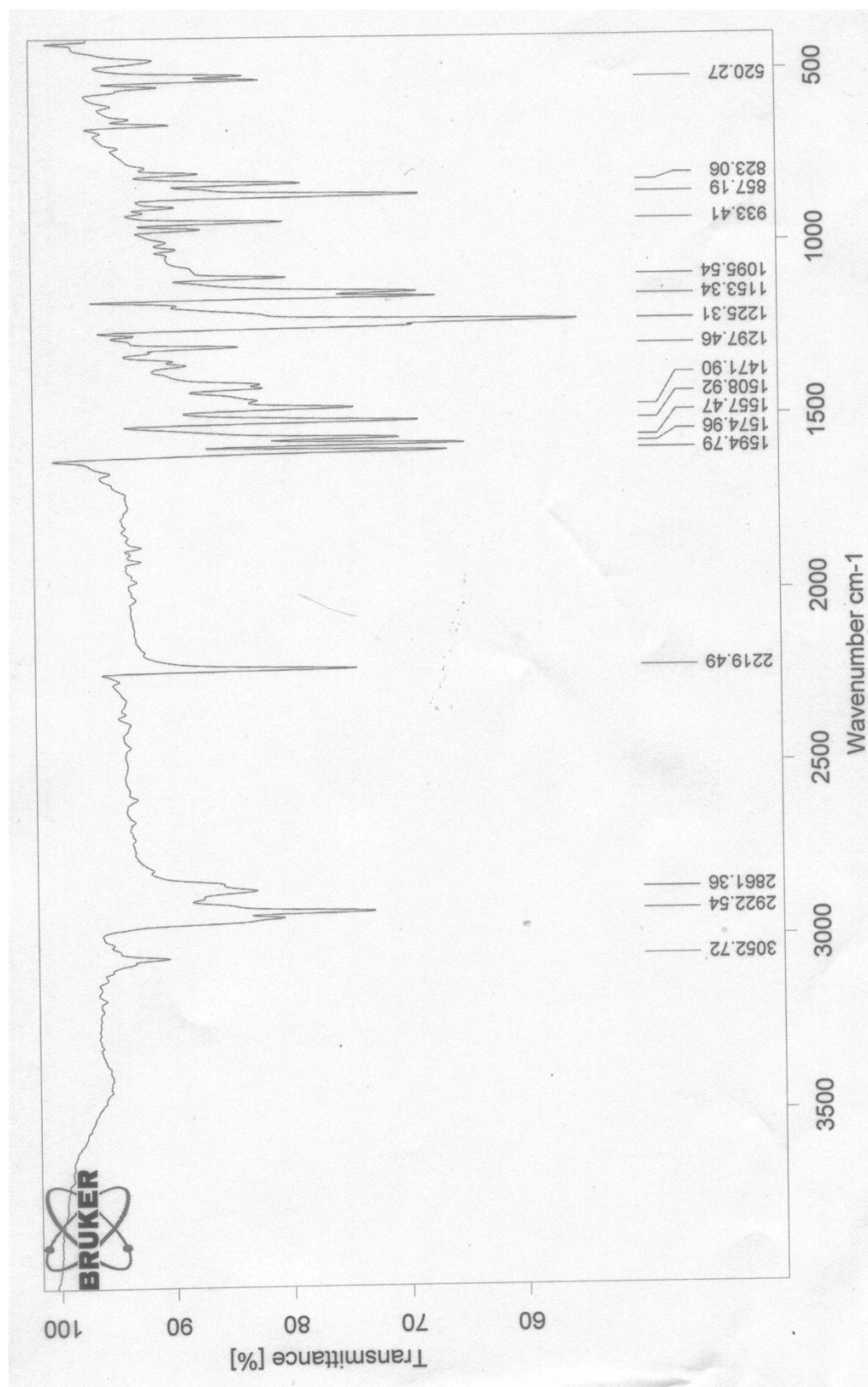
2-[(4-metoxi-benzilideno)-amino]-4,5,6,7-tetraidro-benzo[b]tiofeno-3-carbonitrila  
(6CN12)



2-[(4-metil-benzilideno)-amino]-4,5,6,7-tetraidro-benzo[b]tiofeno-3-carbonitrila  
(6CN13)

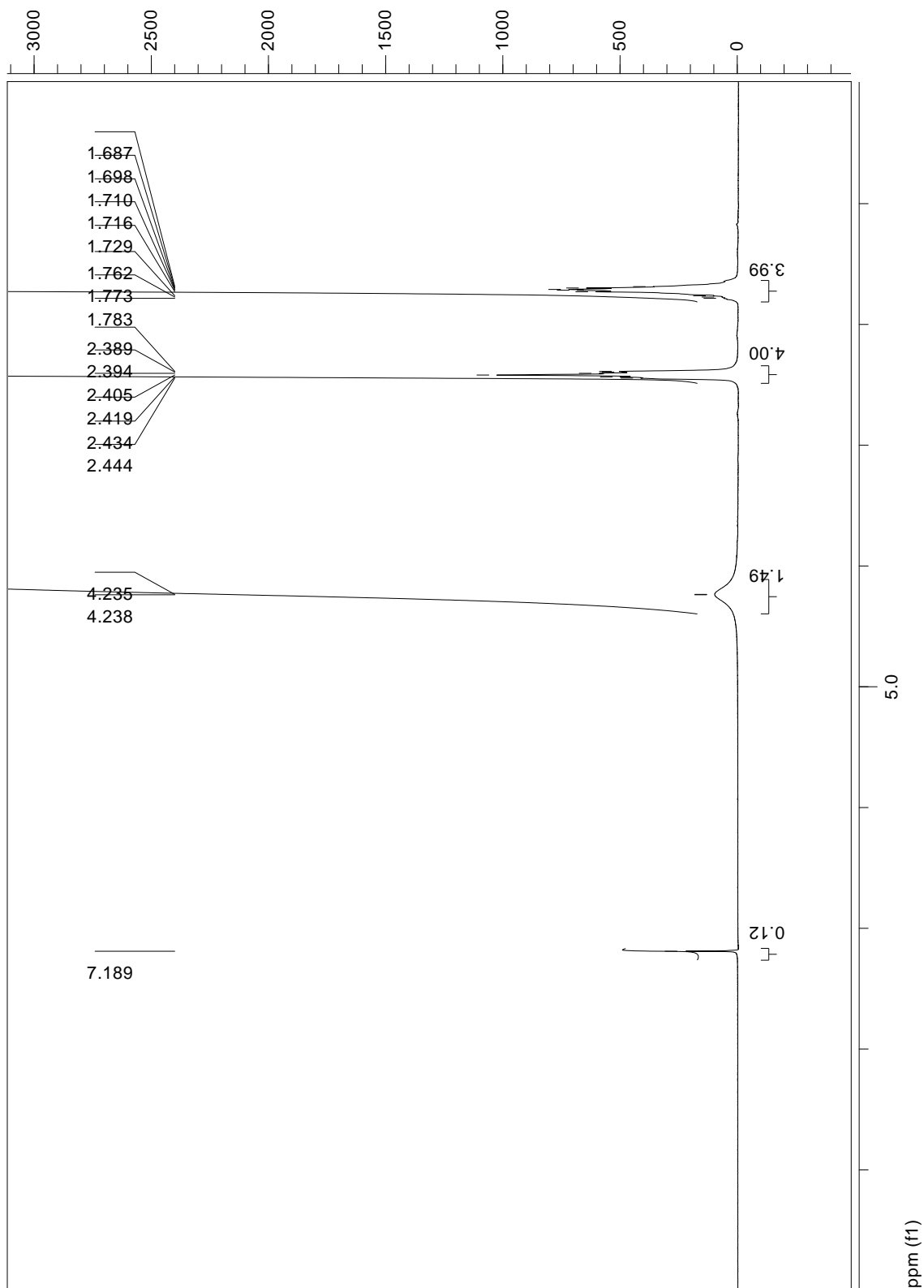


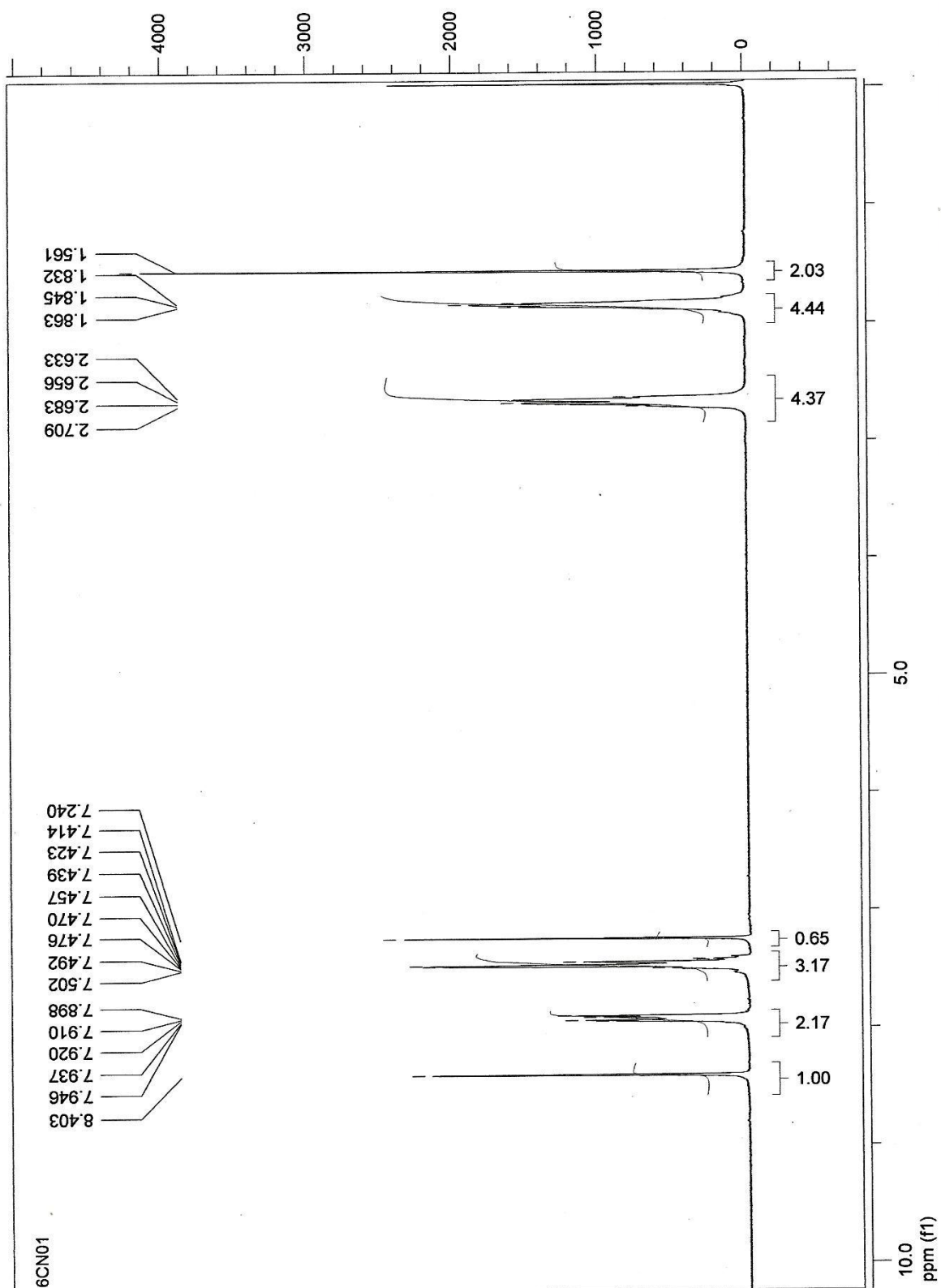
2-[(4-flúor-benzilideno)-amino]-4,5,6,7-tetraidro-benzo[b]tiofeno-3-carbonitrila  
(6CN14)



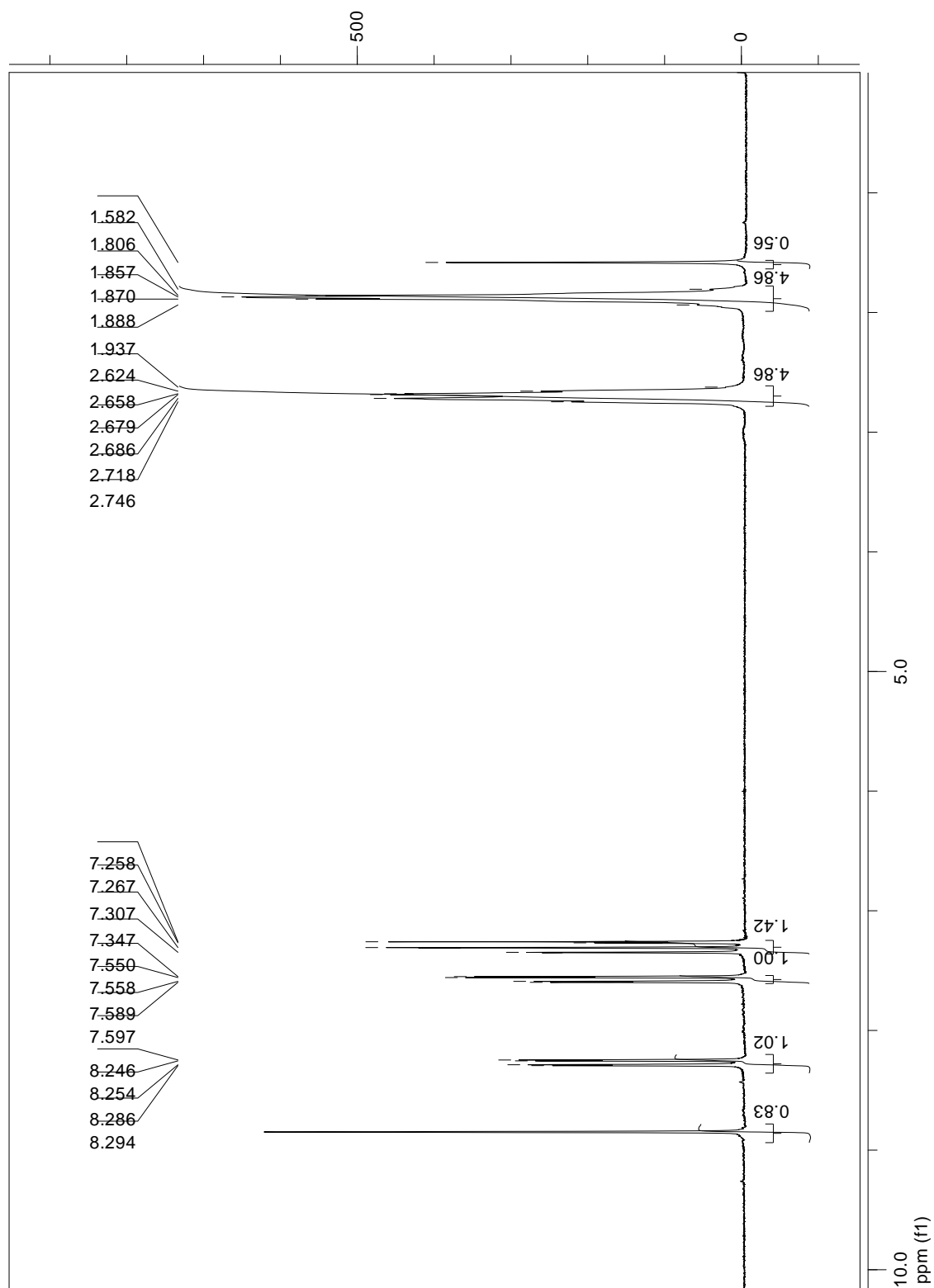
## ANEXO II – ESPECTROS DE RESSONÂNCIA MAGNÉTICA NUCLEAR DE HIDROGÊNIO

### 2-amino-4,5,6,7-tetraidro-benzo[b]tiofeno-3-carbonitrila (6CN)



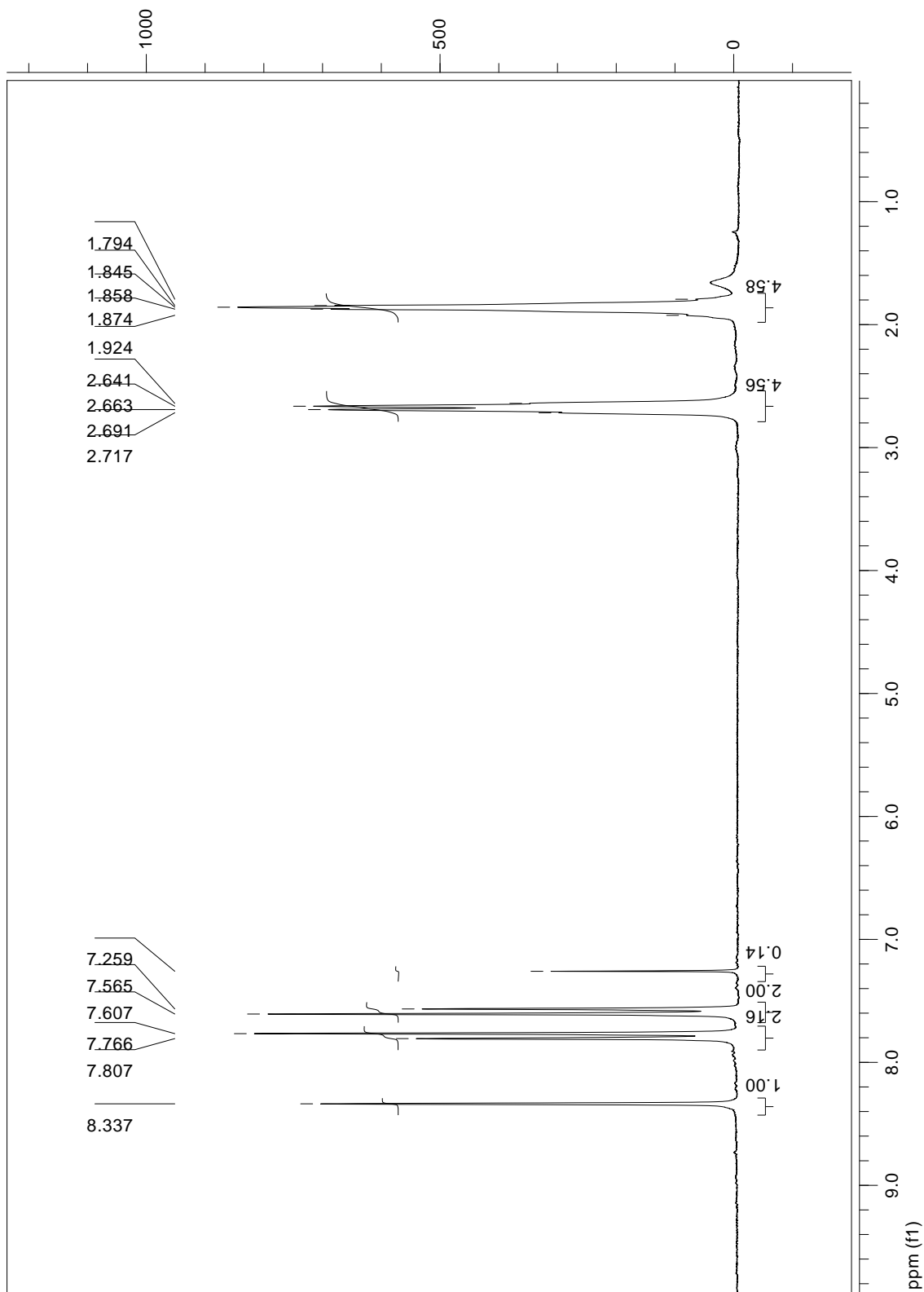
2-[(benzilideno)-amino]-4,5,6,7-tetrahydro-benzo[b]tiofeno-3-carbonitrila (**6CN01**)

2-[(2,3-dicloro-benzilideno)-amino]-4,5,6,7-tetraidro-benzo[b]tiofeno-3-carbonitrila  
(6CN02)

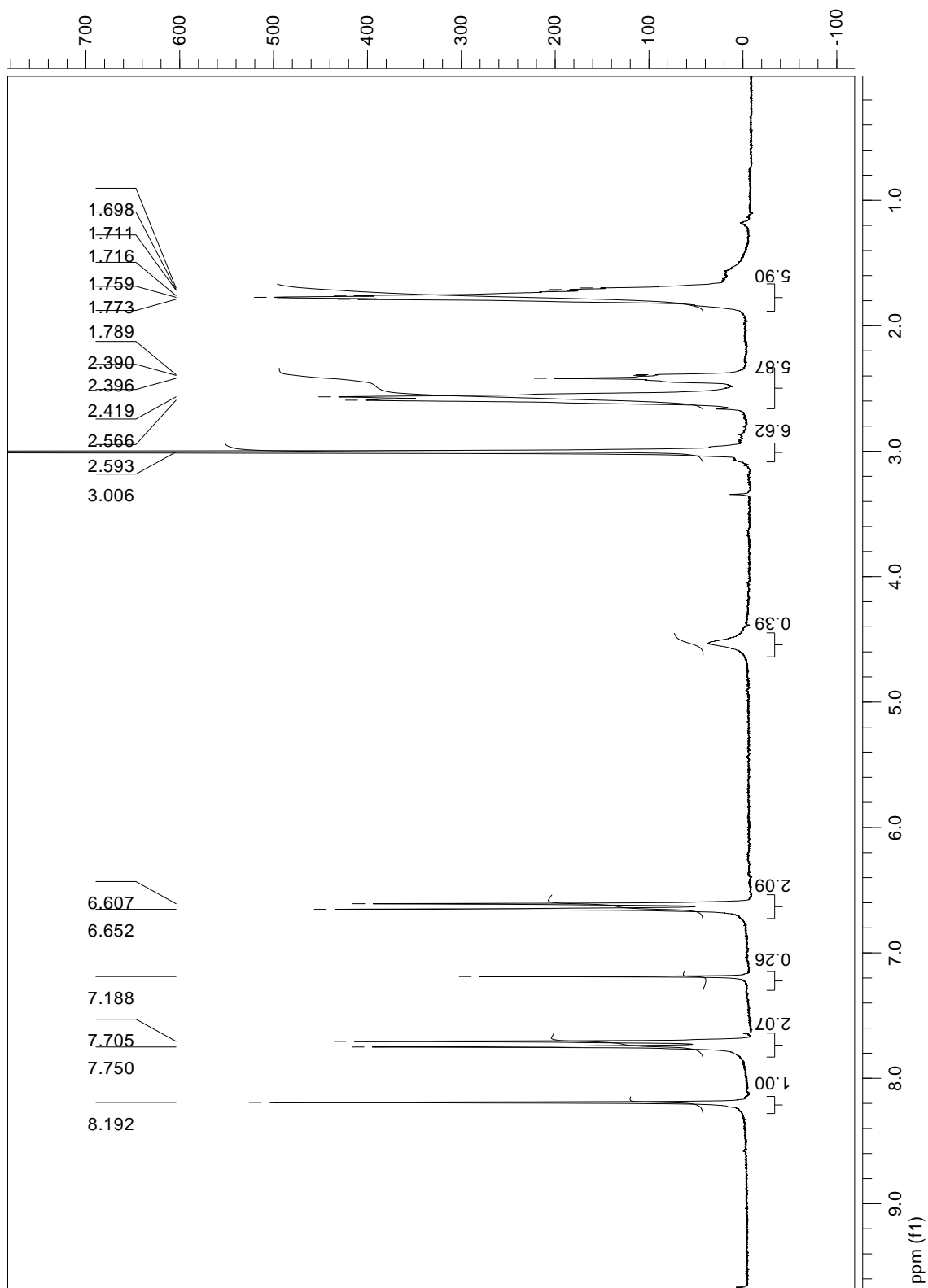




2-[(4-bromo-benzilideno)-amino]-4,5,6,7-tetrahydro-benzo[b]tiofeno-3-carbonitrila  
(6CN03)

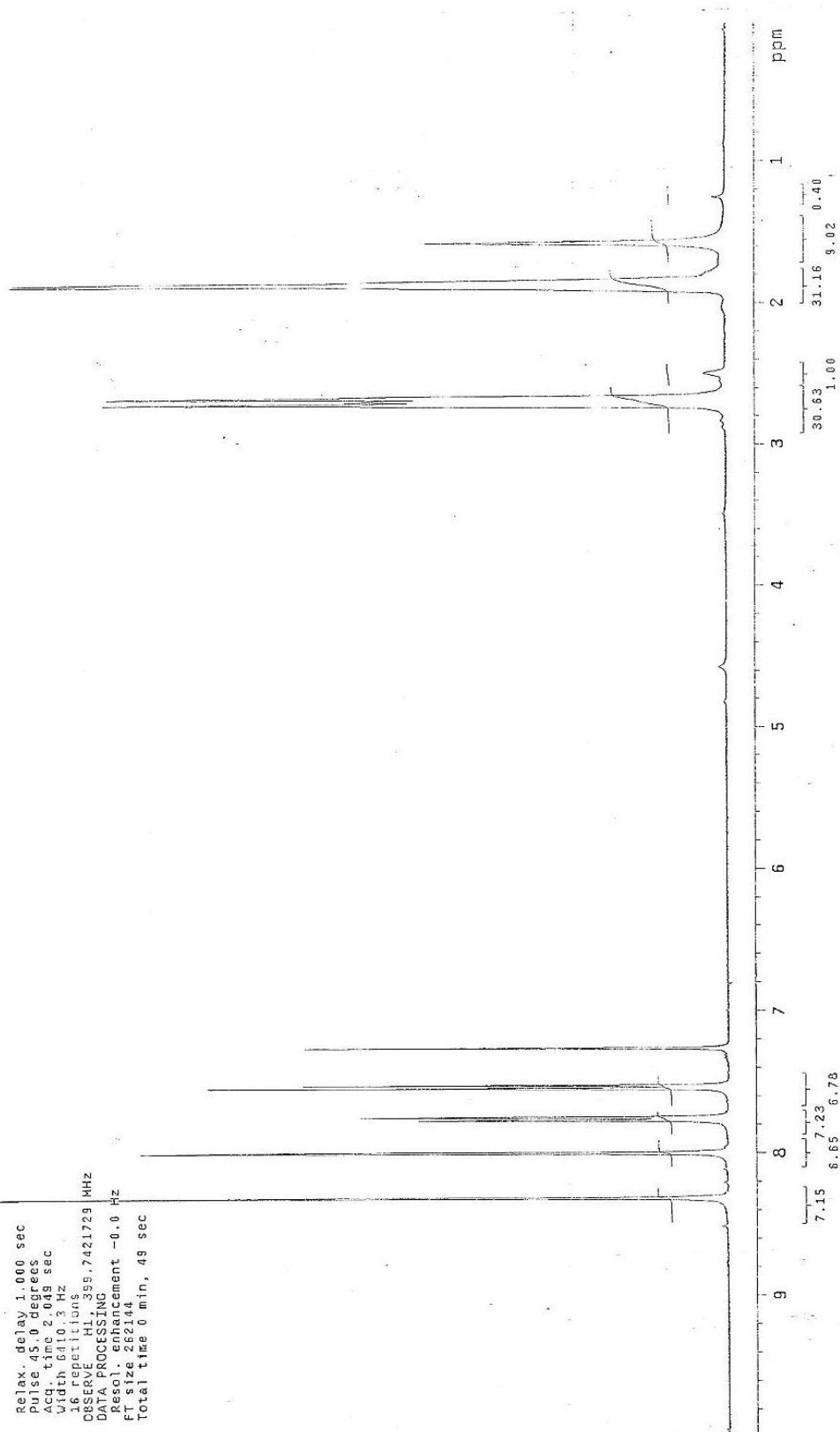


2-[(4-dimetilamino-benzilideno)-amino]-4,5,6,7-tetraidro-benzo[b]tiofeno-3-carbonitrila (**6CN04**)

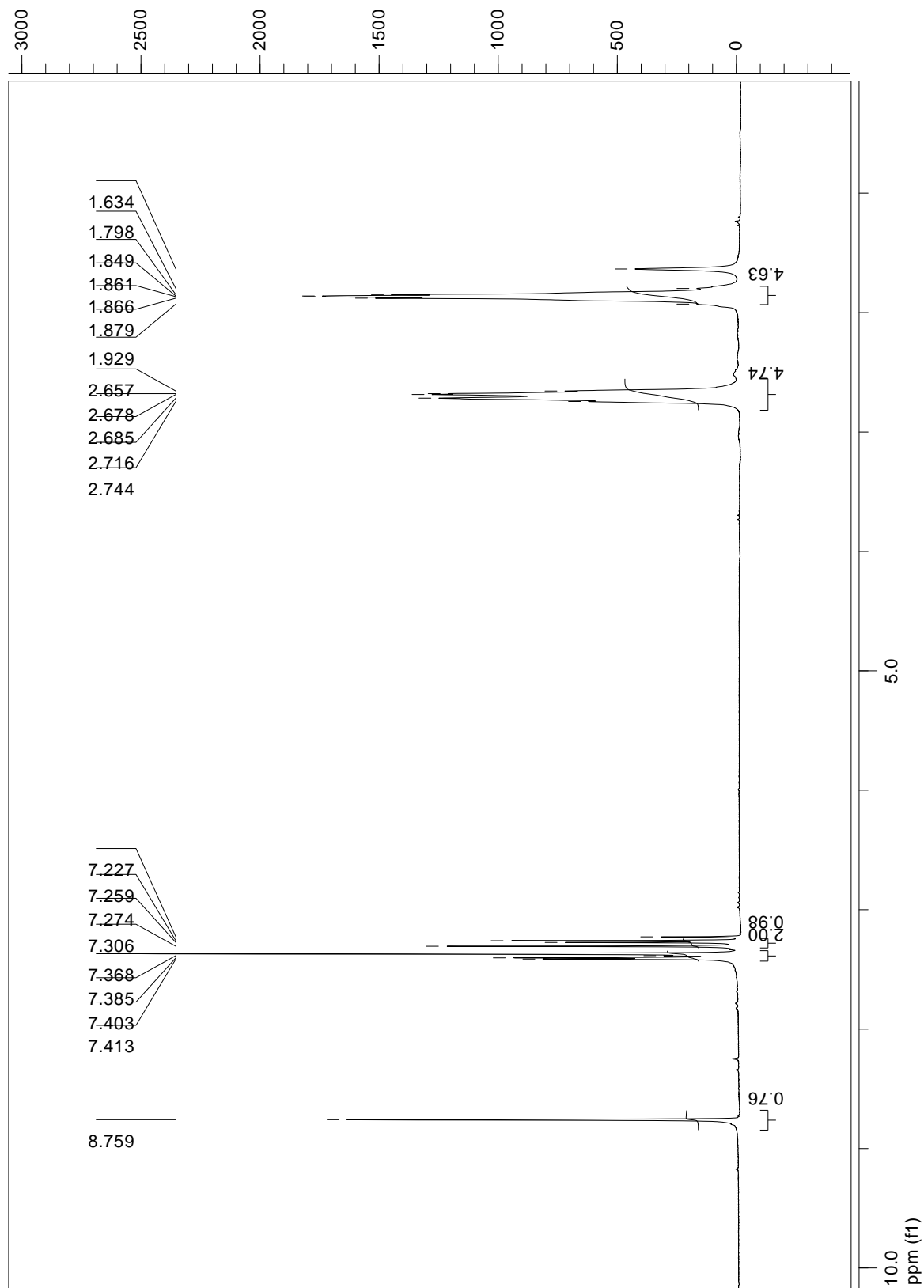


2-[(3,4-dicloro-benzilideno)-amino]-4,5,6,7-tetraidro-benzo[b]tiofeno-3-carbonitrila  
(6CN05)

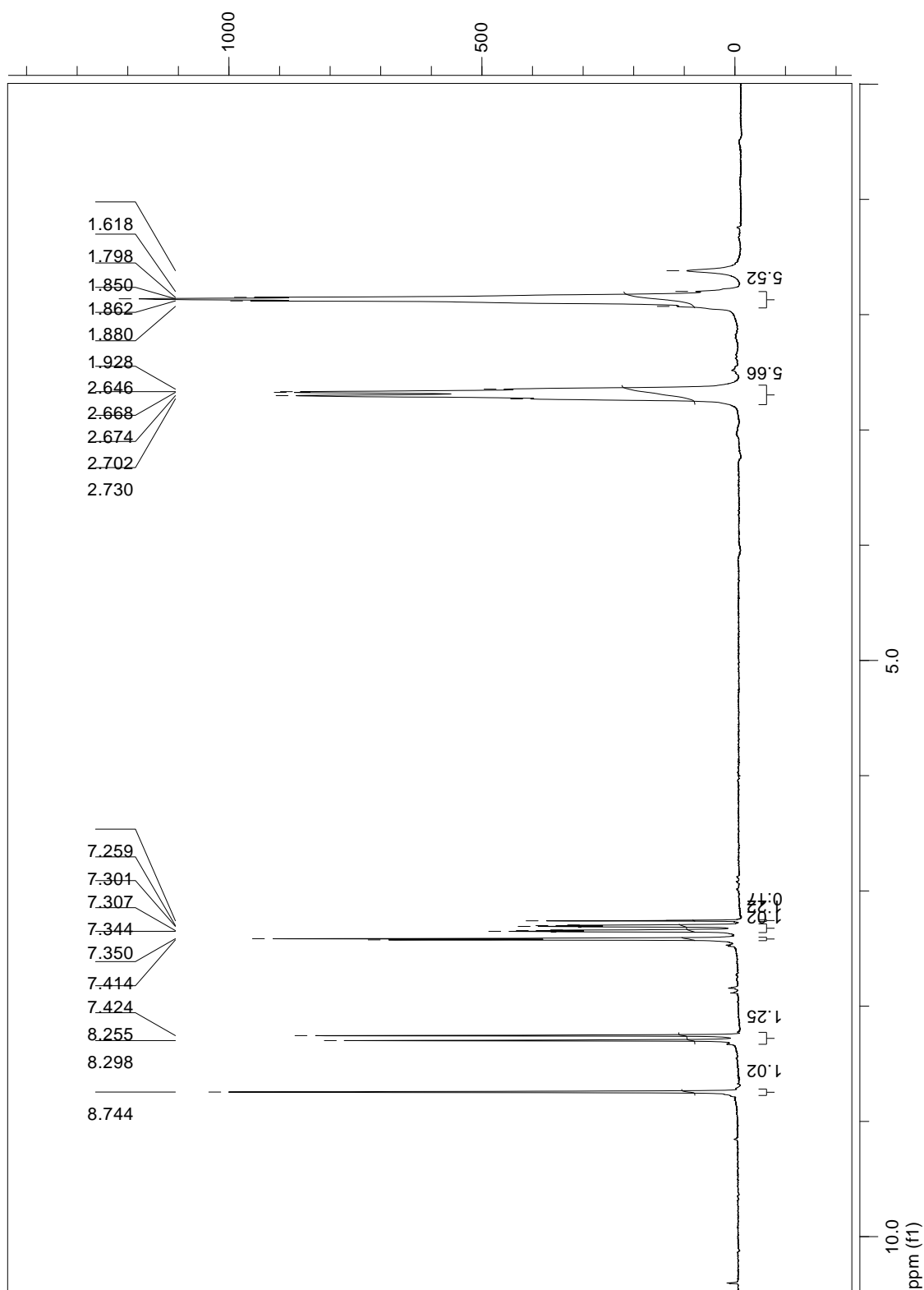
Francisco Jaime  
Amostra 6CN 05  
Solicitacao N. I1215-23  
10/03/2011 UFPE  
File: /home/fricardo/vnmr5s/data/RMN\_2D11/Marco\_11/I1215\_23\_1h.fid  
Pulse Sequence: s2pu1  
Solvent: cdcl3  
Temp: 27.0 C / 300.1 K  
Operator: Fricardo  
File: I1215\_23\_1h  
VNMR5-000 "varian400"  
Relax. delay 1.000 sec  
Pulse 45.0 degrees  
Acq. time 2.049 sec  
Width 6110.3 Hz  
ASPECT H1 399.7421729 MHZ  
DATA PROCESSING  
Pulse placement -0.0 Hz  
FT size 262144  
Total time 6 min, 49 sec



2-[(2,6-dicloro-benzilideno)-amino]-4,5,6,7-tetraidro-benzo[b]tiofeno-3-carbonitrila  
(6CN06)

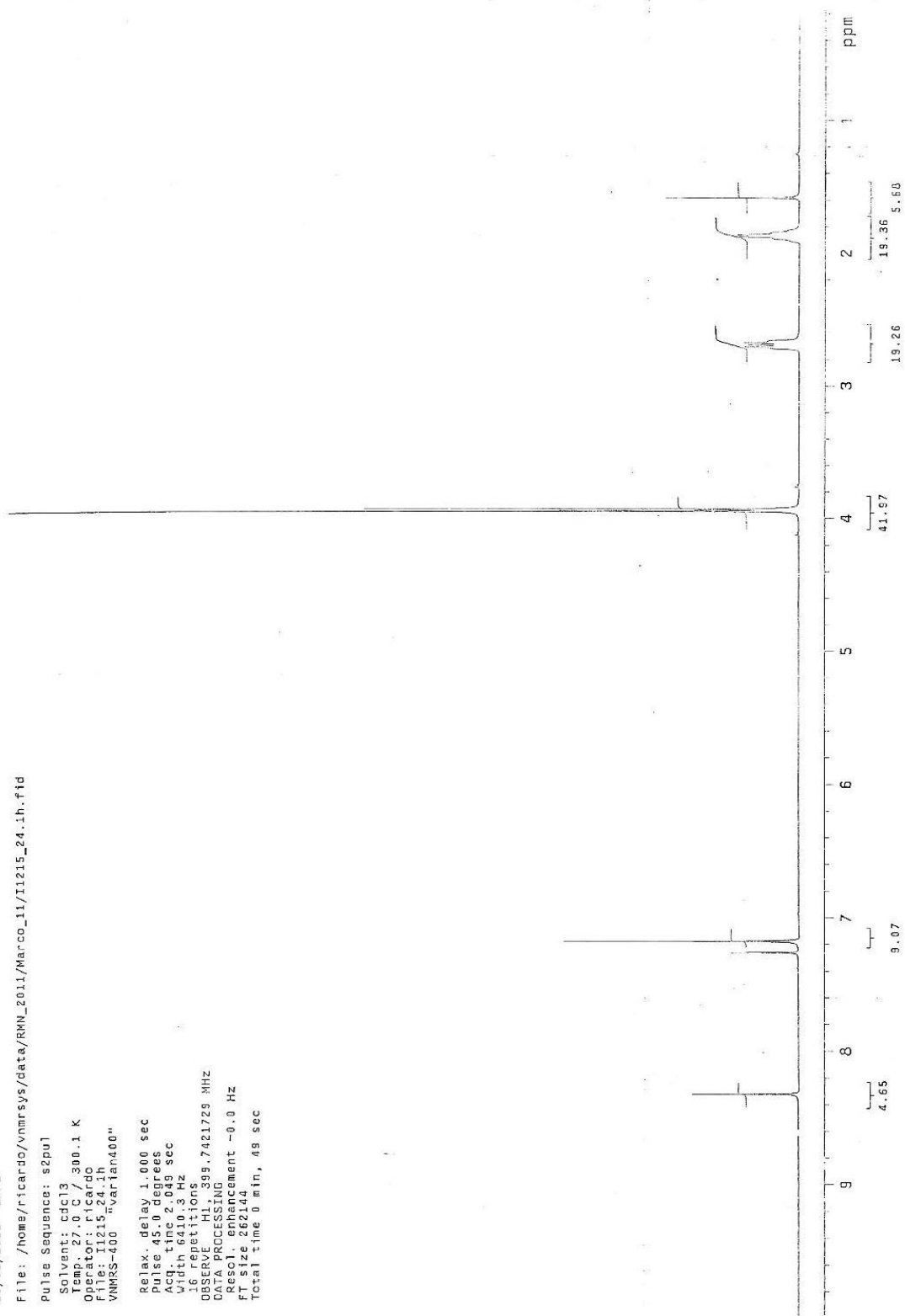


2-[(2,4-dicloro-benzilideno)-amino]-4,5,6,7-tetraidro-benzo[b]tiofeno-3-carbonitrila  
(6CN07)



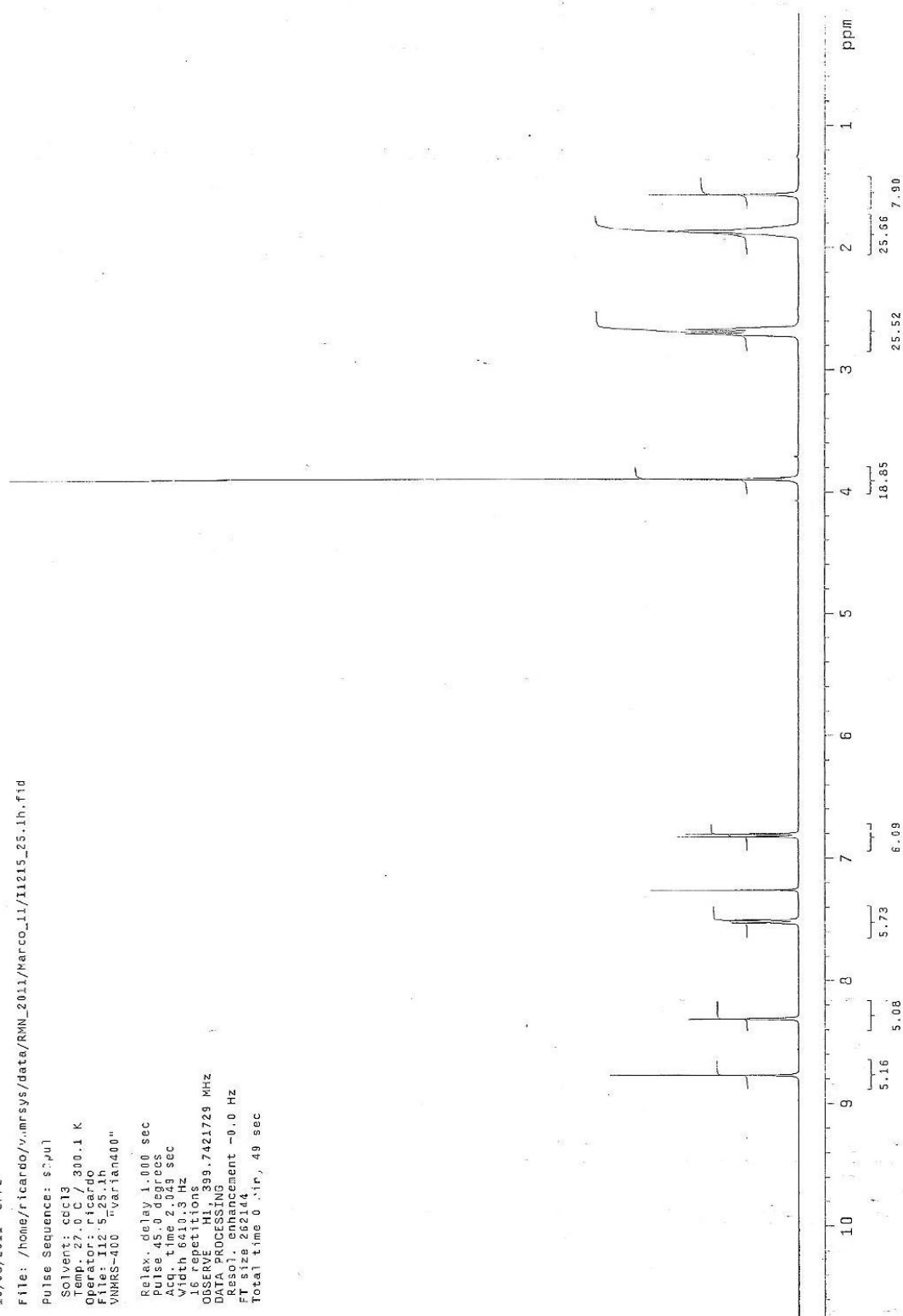
2-[(2,4,5-trimethoxy-benzilideno)-amino]-4,5,6,7-tetrahydro-benzo[b]tiofeno-3-carbonitrila (**6CN08**)

Francisco Jaime  
Amostra: 6 CN 08  
Solicitacao N. 11215-24  
10/03/2011 UFPE  
File: /home/ricardo/vnmrsys/data/RMN\_2011/Marco\_11/11215\_24.ih.fid  
Pulse Sequence: s2pu1  
Solvent: cdcl3  
Temp: 27.0 C / 300.1 K  
Operator: ricardo  
File: 11215\_24.ih  
VNMR-400 "vartan400"  
Relax. delay 1.000 sec  
Pulse 45.0 degrees  
Acq. time 2.049 sec  
Width 6410.3 Hz  
16 repetitions  
OBSERVE H1, 399.7421729 MHz  
DATA PROCESSING  
Resol. enhancement -0.0 Hz  
F1 size 267144  
Total time 0 min, 49 sec

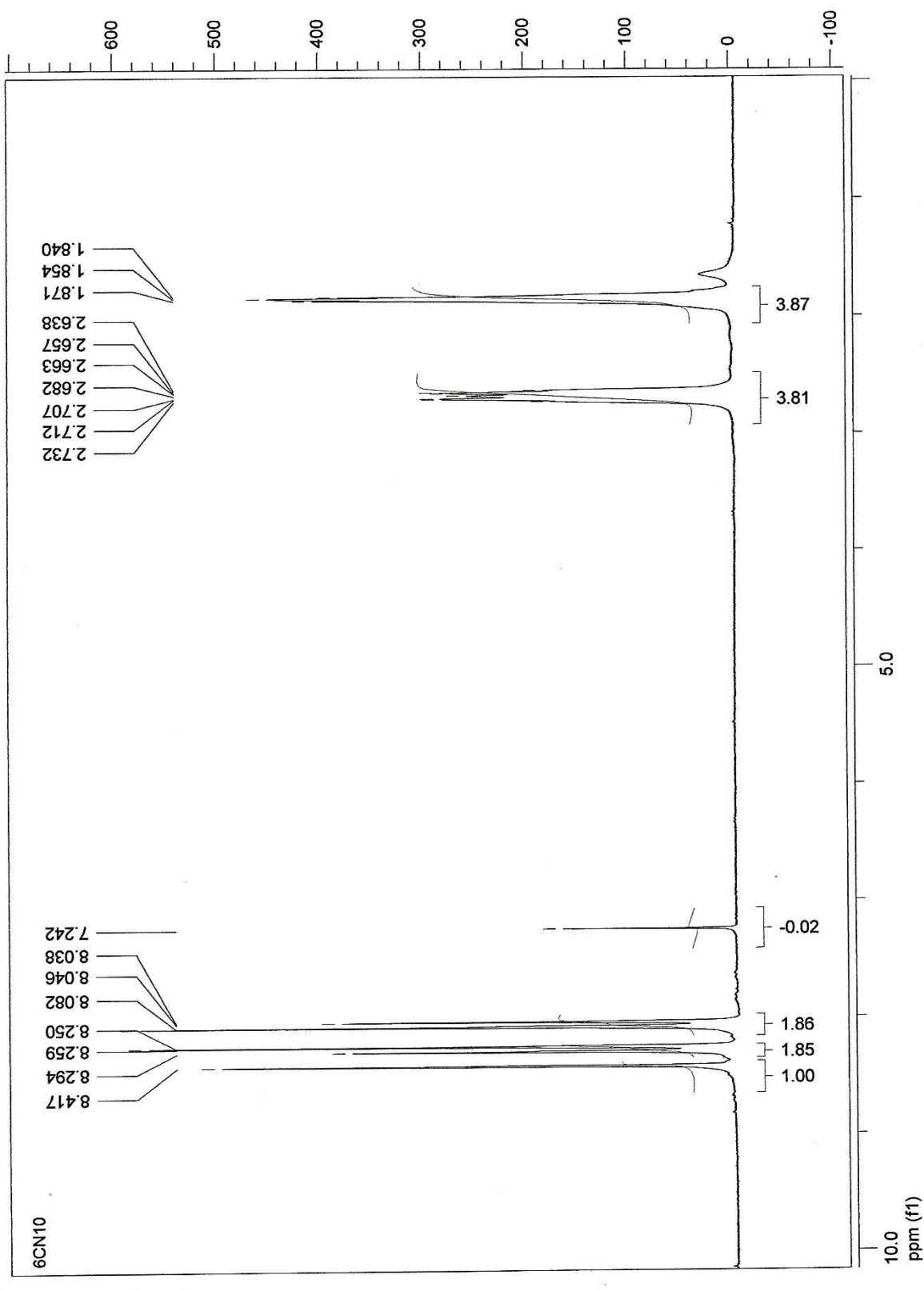


2-[(5-bromo-2-metoxi-benzilideno)-amino]-4,5,6,7-tetraidro-benzo[b]tiofeno-3-carbonitrila (**6CN09**)

Francisco Jaime  
Amostra: 6 CN 09  
Sol: Citracao N.11215-25  
10/03/2011 UFPE  
File: /home/ricardo/v.mrsys/data/RMN\_2011/Marco\_11/11215\_25.1h.fid  
Pulse Sequence: s'pu  
Solvent: cdc13  
Temp: 27.0 C / 300.1 K  
Operator: ricardo  
File: 112\_5\_25.1h  
VNMR5-400 "varian400"  
Relax. delay 1.000 sec  
Pulse 45.0 degrees  
Acq. time 2.045 sec  
Width 6410.3 Hz  
16 repetitions  
OBSERVED F1: 399.7421729 MHz  
NUC1: 13C  
PROC: CDESN05  
RG: 1638  
RESOLV: 0.0 Hz  
FT size: 262144  
Total time 0.1r, 49 sec

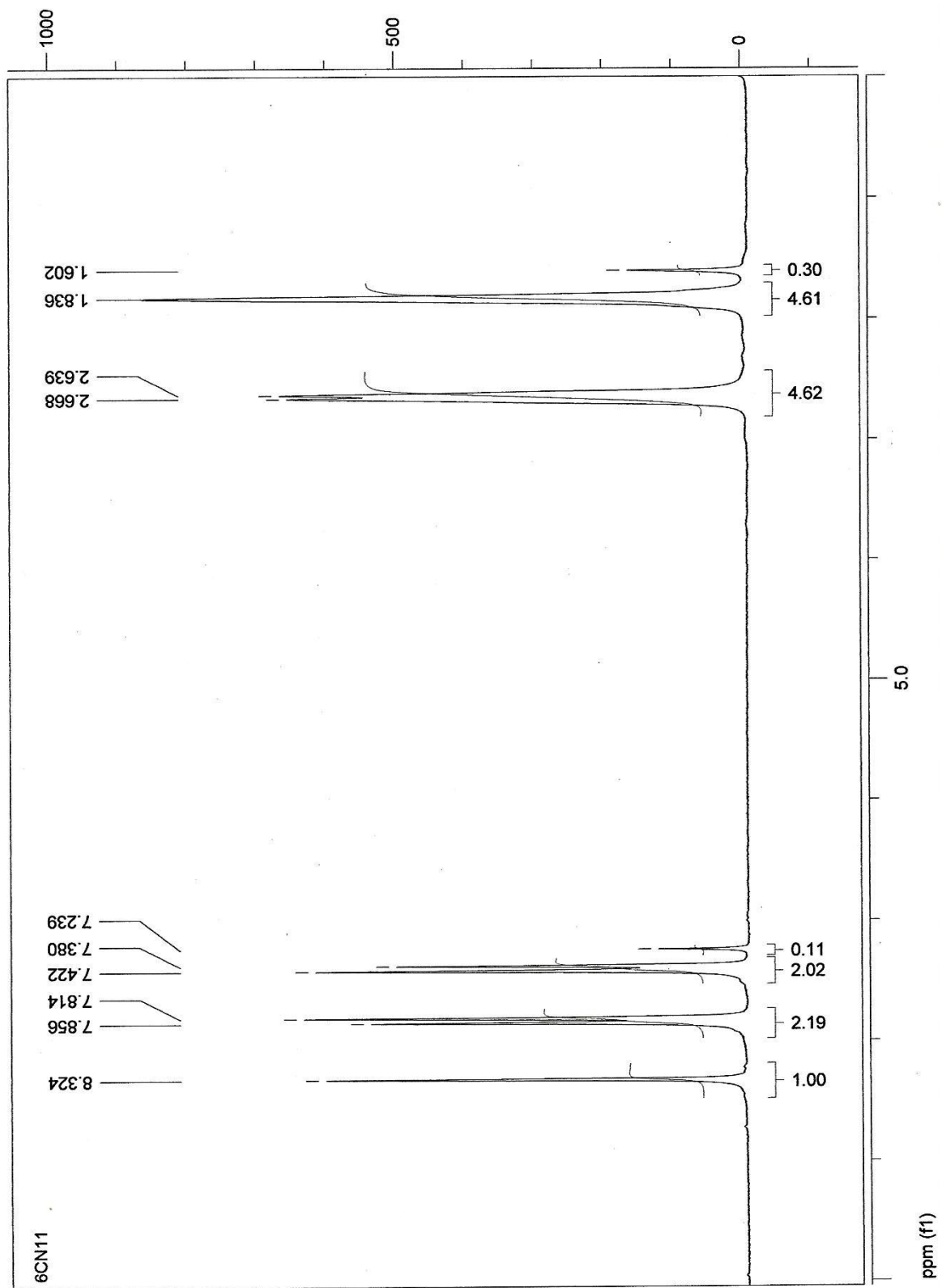


2-[4-nitro-benzilideno)-amino]-4,5,6,7-tetrahydro-benzo[b]tiofeno-3-carbonitrila  
(6CN10)





2-[(4-cloro-benzilideno)-amino]-4,5,6,7-tetraidro-benzo[b]tiofeno-3-carbonitrila  
(6CN11)



2-[(4-metoxi-benzilideno)-amino]-4,5,6,7-tetrahydro-benzo[b]tiofeno-3-carbonitrila  
(6CN12)

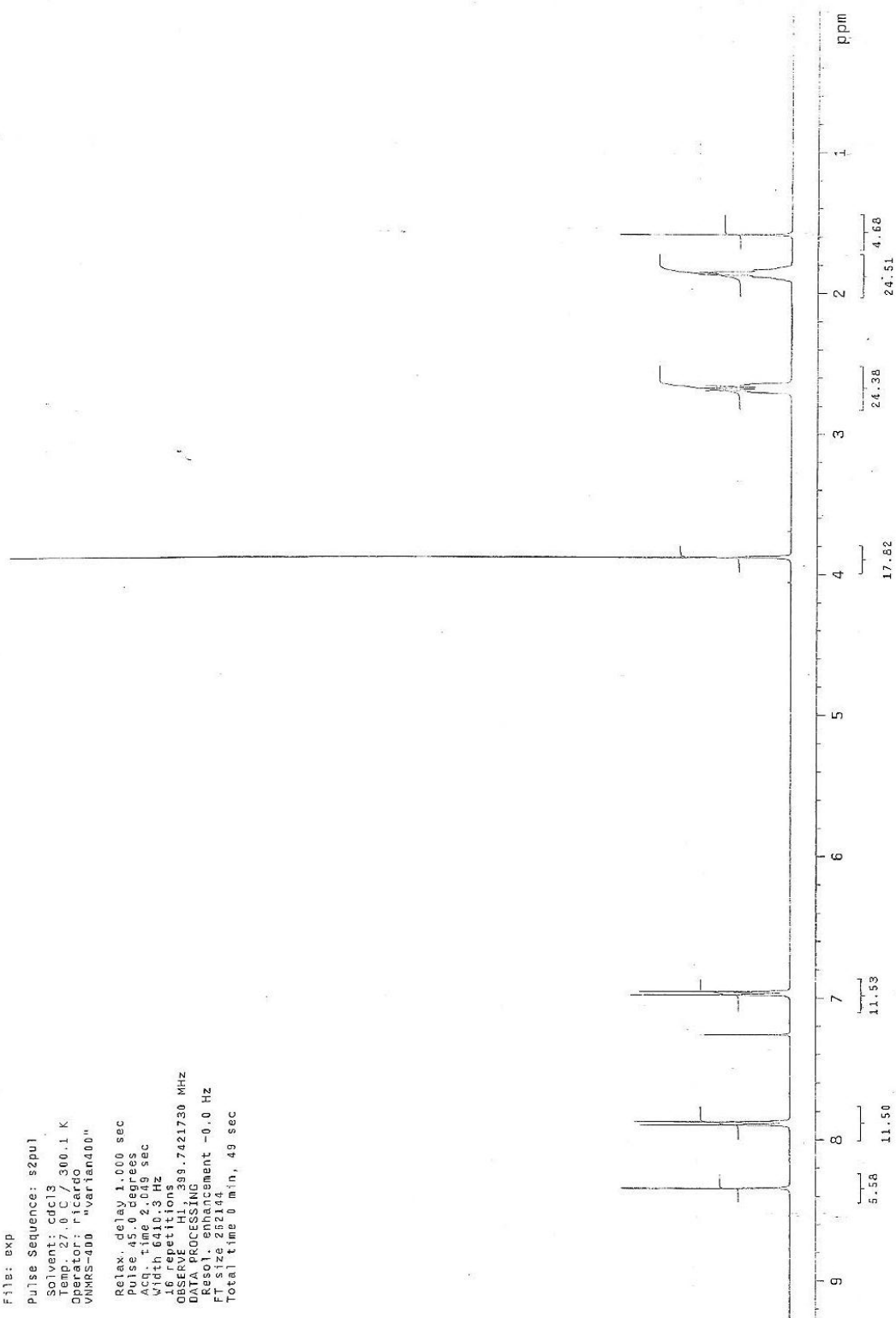
Francisco Jaime  
Societat Química  
C/Carretera N.º 1215-26  
10/03/2011 UFPE

File: exp

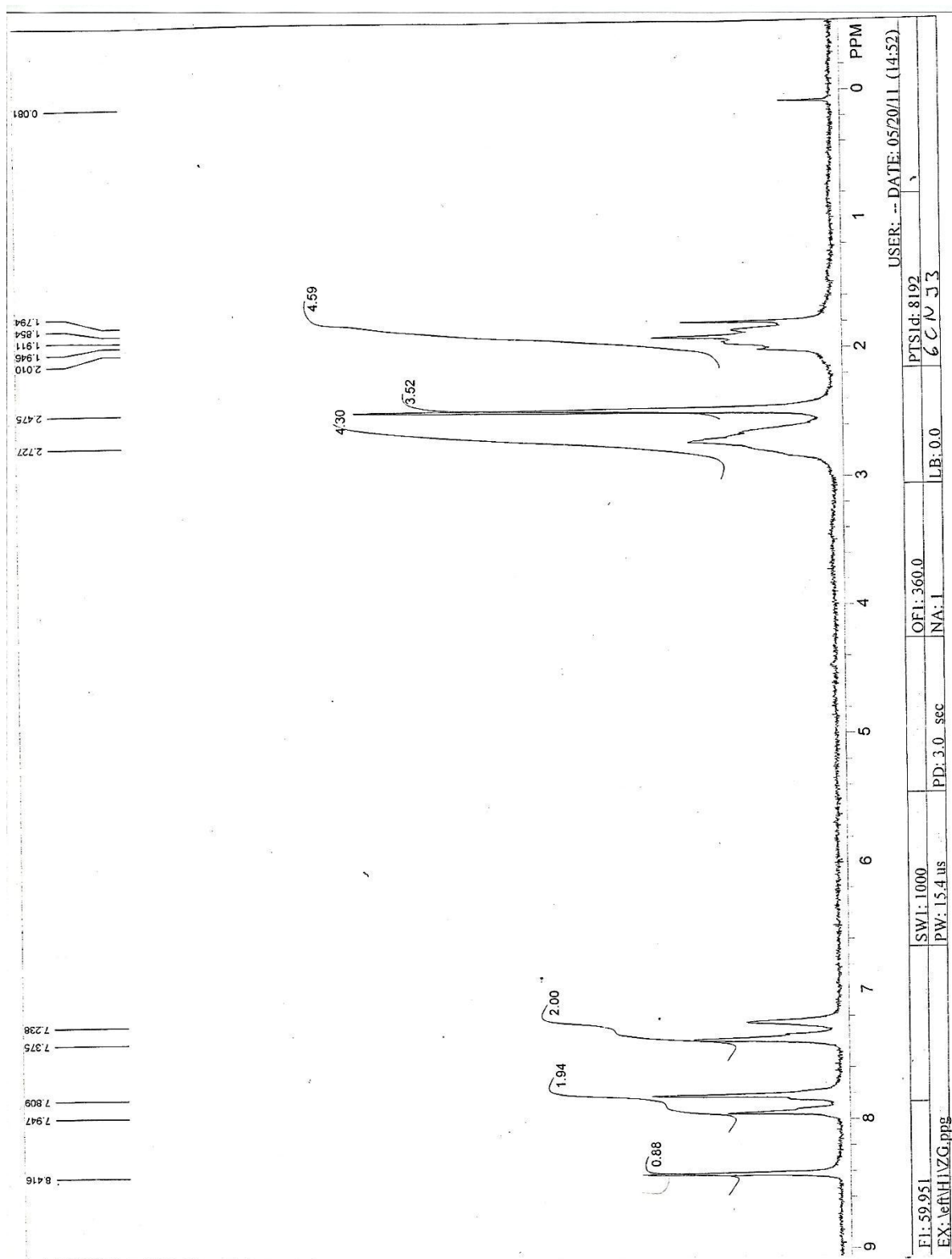
Pulse sequence: s2pul

Solvent: cdcl3  
Temp: 27.0 C / 300.1 K  
Operator: ricardo  
VNMRS-400 "varian400"

Relax. delay: 1.000 sec  
Pulse: 45.0 degrees  
Acq. time: 2.009 sec  
Width: 6410.3 Hz  
16 repetitions  
OBSERVE: H1, 399.7421730 MHz  
DATA PROCESSING  
Resol.: enhancement -0.0 Hz  
FT size: 282144  
Total time: 0 min, 49 sec



2-[(4-metil-benzilideno)-amino]-4,5,6,7-tetraidro-benzo[b]tiofeno-3-carbonitrila  
(6CN13)



2-[(4-fluor-benzilideno)-amino]-4,5,6,7-tetraidro-benzo[b]tiofeno-3-carbonitrila  
(6CN14)

Francisco Jaime  
Amostra 6CN 14  
Solicitação N.º 00120-1  
01.01.11\_UFPE  
Pulse Sequence: s2pu1  
Solvent: CDCl3  
Ambient temperature  
UNITYplus-300 "U:PEU300"  
Relax. delay 1.359 sec  
Pulse 45.0 degrees  
Acq. time 3.641 sec  
Width 4489.4 Hz  
16 repetitions  
OBSERVE H1, 299.9470687 MHz  
DATA PROCESSING  
FT size 32768  
Total time 1 min, 20 sec

