Supplementary Material

Facile and efficient synthesis of 4'- thioxo-1', 3, 3',4, 4', 6' -hexahydro-1*H*, 2'*H*-spiro[naphthalene-2,5'-pyrimidin]-1-ones in a three-component Mannich-type reaction

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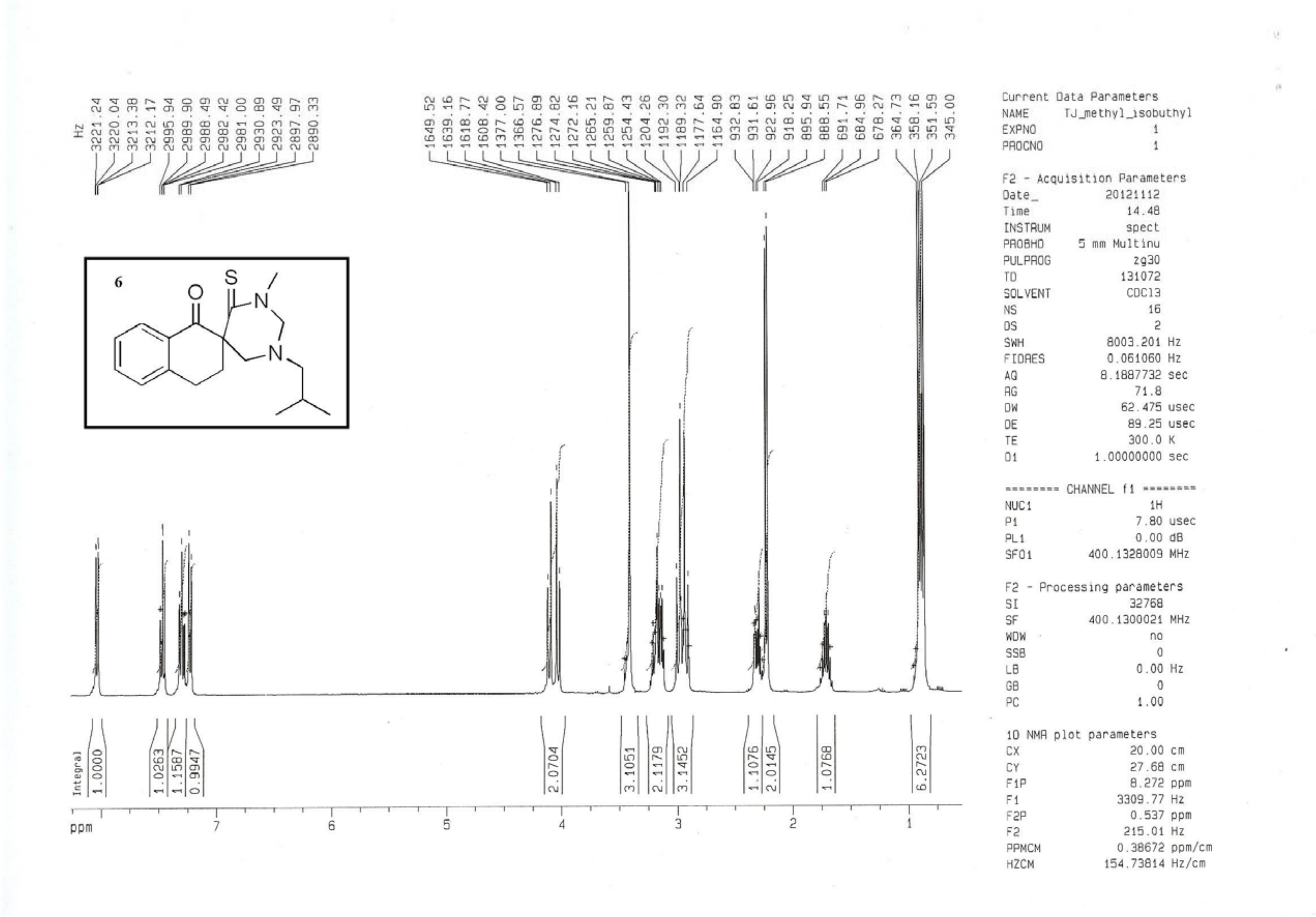
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1377.00
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358.16
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345.00
6
O
S
N
N
Integral
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6
5
4
3
2
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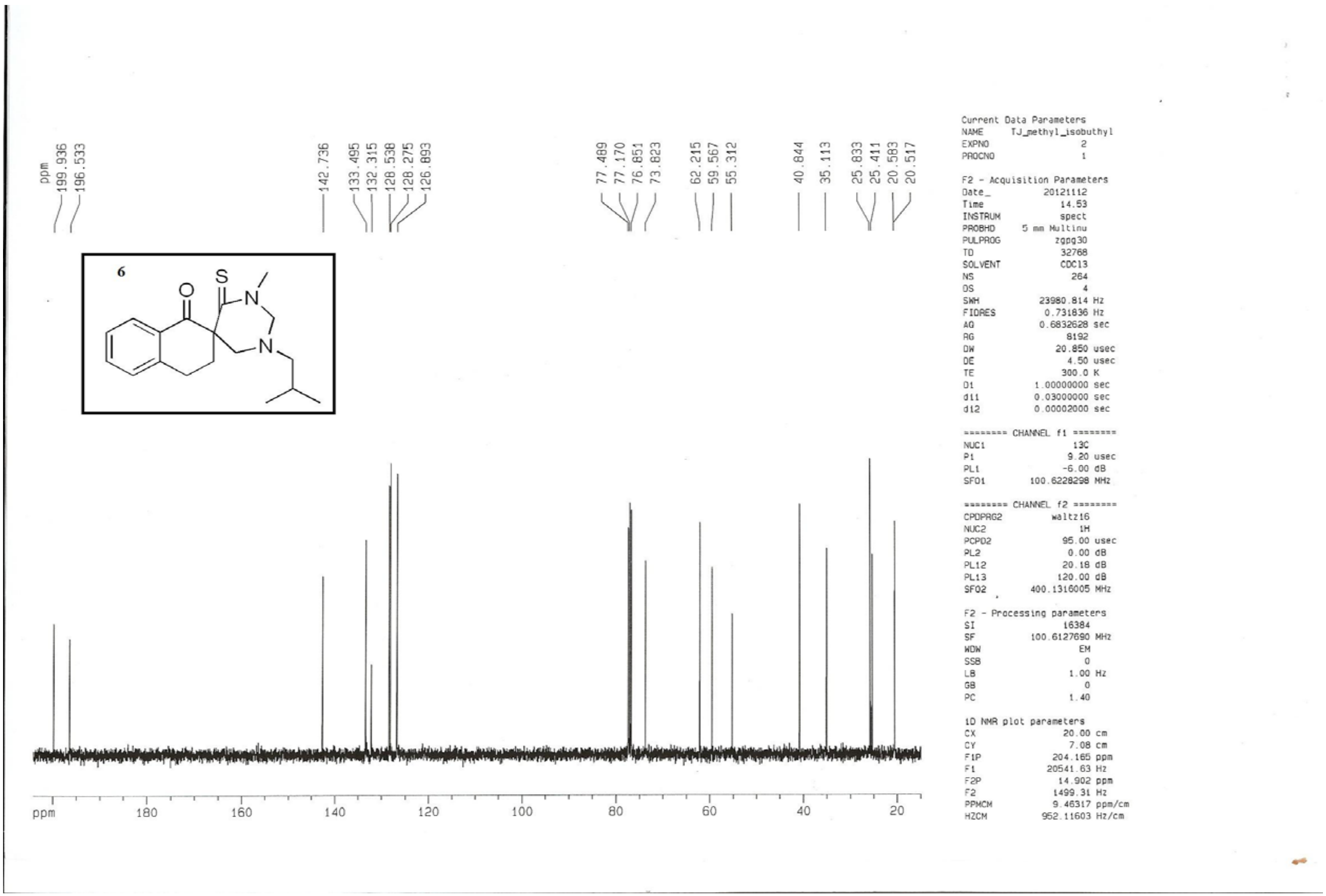
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SOLVENT CDCl3
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SFO1 100.6228298 MHz
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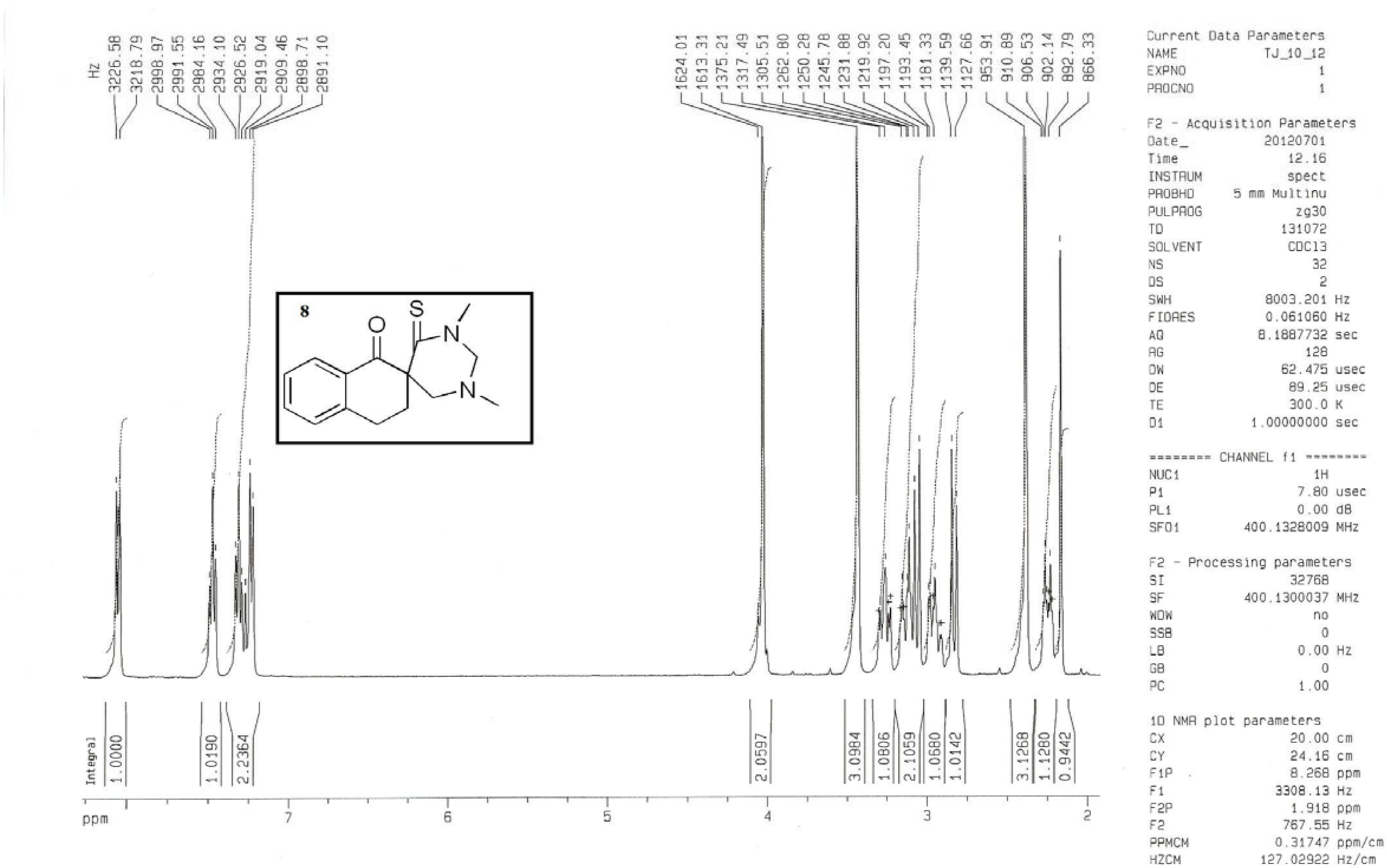

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2891.10
1624.01
1613.31
1375.21
1317.49
1305.51
1262.80
1250.28
1245.78
1231.88
1219.92
1197.20
1193.45
1181.33
1139.59
1127.66
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910.89
906.53
902.14
892.79
866.33
8
O
S
N
N
Integral
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6
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4
3
2
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SSB 0
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GB 0
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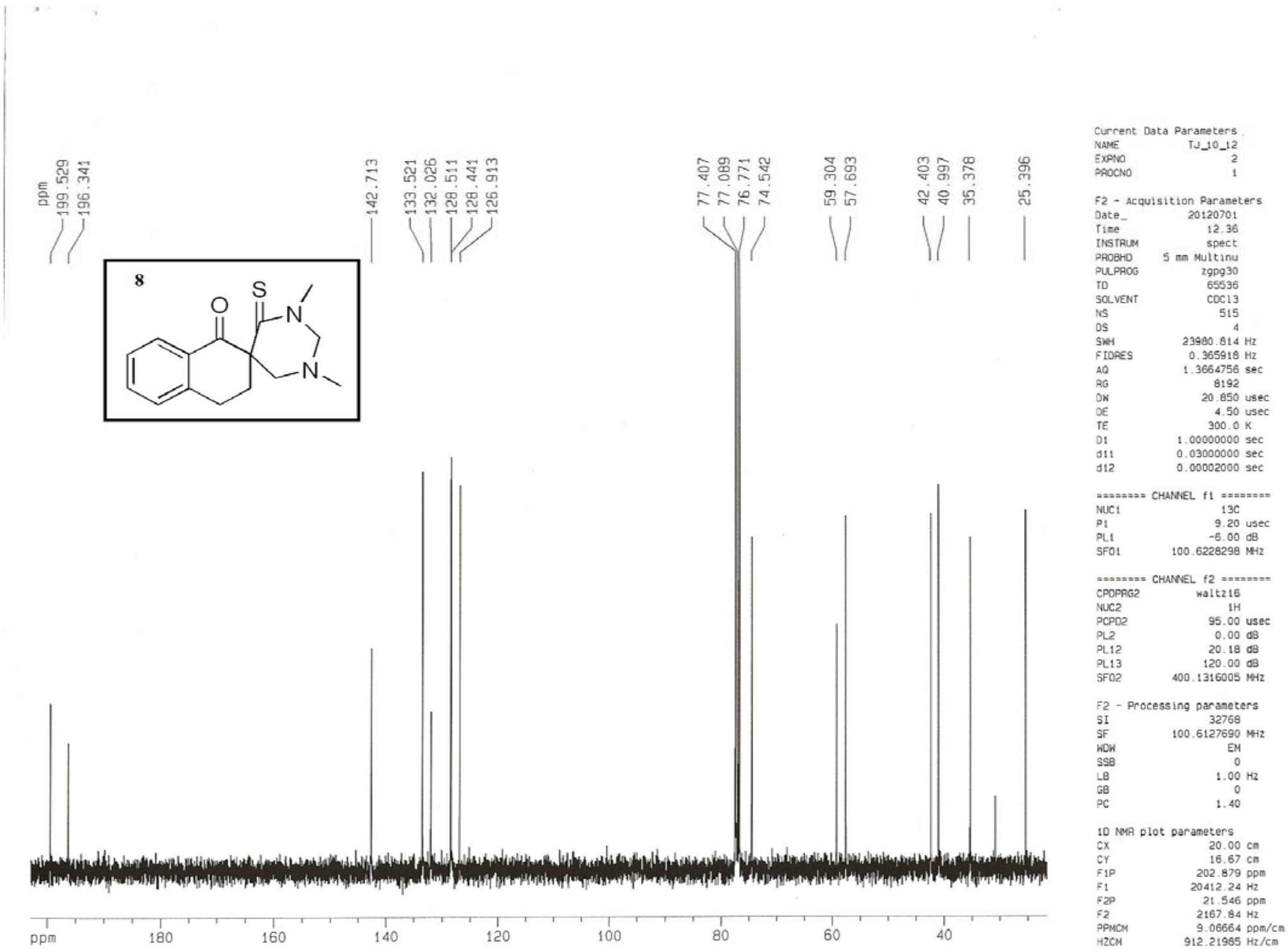
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35.378
25.396
8
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PULPROG zgpg30
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SOLVENT CDCl3
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SFO1 100.6228298 MHz
======== CHANNEL f2 ========
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NUC2 1H
PCPD2 95.00 usec
PL2 0.00 dB
PL12 20.18 dB
PL13 120.00 dB
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F2 - Processing parameters
SI 32768
SF 100.6127690 MHz
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SSB 0
LB 1.00 Hz
GB 0
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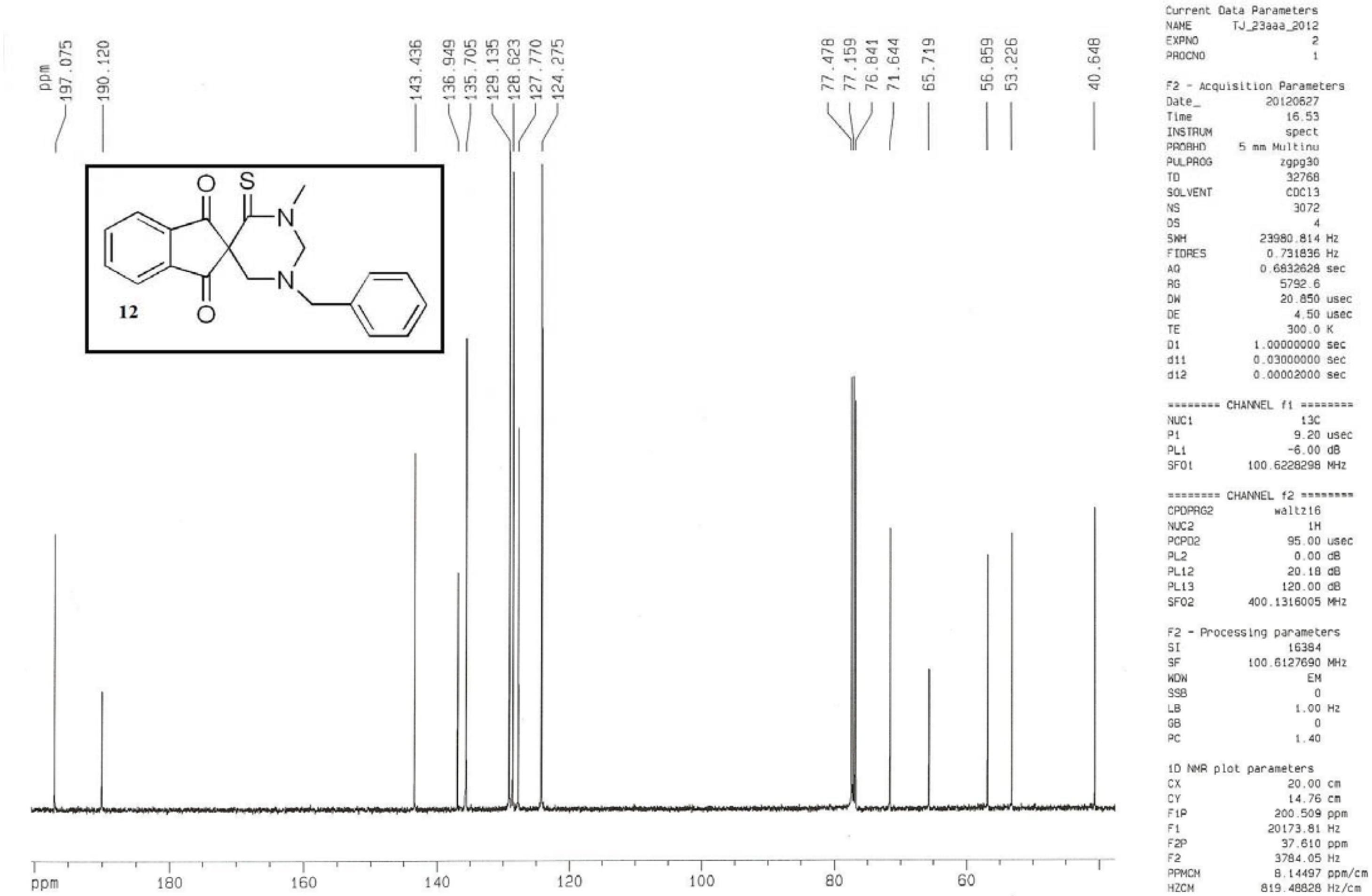
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PROCNO 1
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======== CHANNEL f2 ========
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NUC2 1H
PCPD2 95.00 usec
PL2 0.00 dB
PL12 20.18 dB
PL13 120.00 dB
SFO2 400.1316005 MHz
F2 - Processing parameters
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WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40
1D NMR plot parameters
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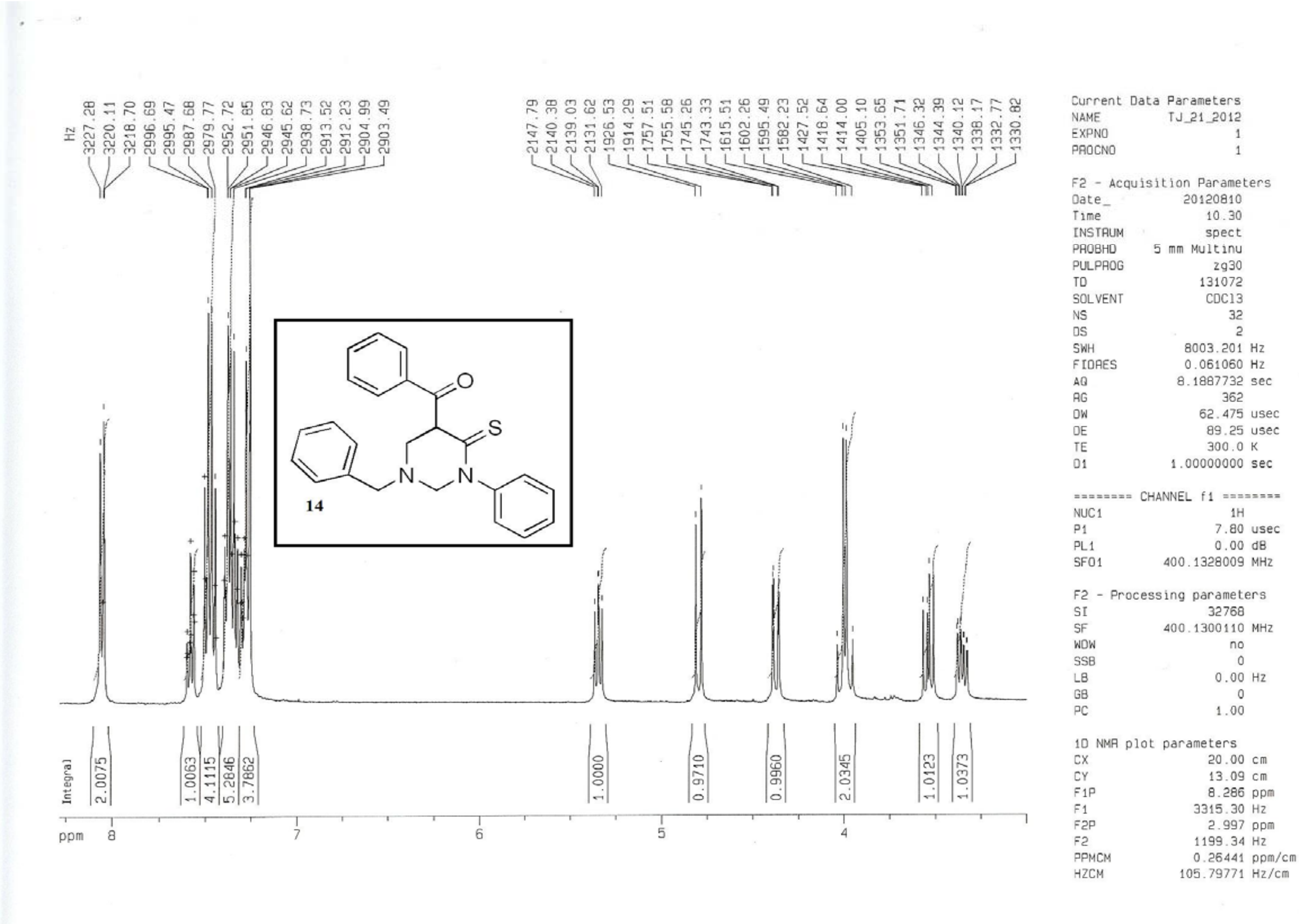
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TD 131072
SOLVENT CDCl3
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FIDRES 0.061060 Hz
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RG 362
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PL1 0.00 dB
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LB 0.00 Hz
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PC 1.00
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F2P 2.997 ppm
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HZCM 105.79771 Hz/cm
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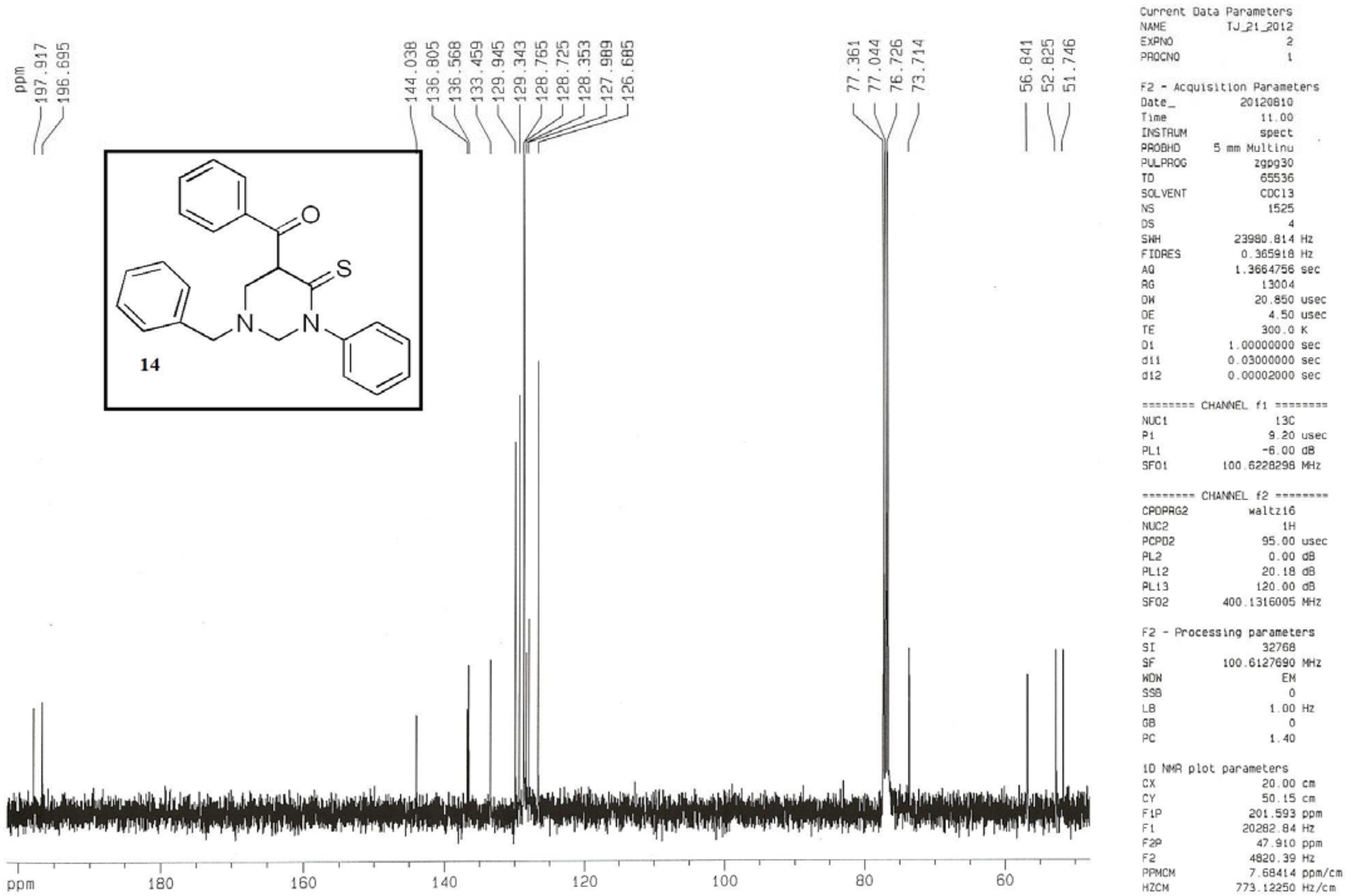

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51.746
14
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PROCNO 1
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PULPROG zgpg30
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SOLVENT CDCl3
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PL1 -6.00 dB
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======== CHANNEL f2 ========
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NUC2 1H
PCPD2 95.00 usec
PL2 0.00 dB
PL12 20.18 dB
PL13 120.00 dB
SFO2 400.1316005 MHz
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WDW EM
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F2 4820.39 Hz
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100
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EURO EA
Elemental Analyzer

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Date: 24/10/2012

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bbot	6.586	72.438	6.223	7.597	1.631
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5	6.695	75.278	5.793	7.495	1.494
5	6.837	75.005	6.091	7.652	2.006
5	6.917	75.646	5.959	7.842	2.213
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9	8.359	71.166	6.094	9.742	1.574
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14	7.13	74.126	5.698	8.256	1.451
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EUROVECTOR
INSTRUMENTS & SOFTWARE

EURO EA
Elemental Analyzer

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3	7.853	72.047	7.526	8.454	2.772
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EUROVECTOR
INSTRUMENTS & SOFTWARE

EURO EA
Elemental Analyzer

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Date: 28/11/2012

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10	10.198	72.741	5.685	7.858	1.489
10	10.305	72.506	5.786	7.867	1.6

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