

Supplementary Material

Microwave-assisted synthesis of novel amide based chiral tripodal receptors for recognition of cation and anion sensors

Sevil S. Azizoglu, Seref Kaplan, Gulsen Ozturk, Yilmaz Turgut and Mahmut Togrul**

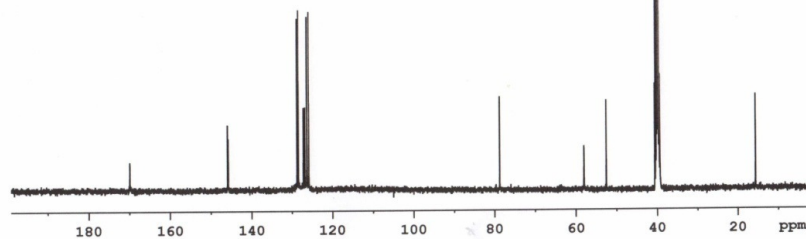
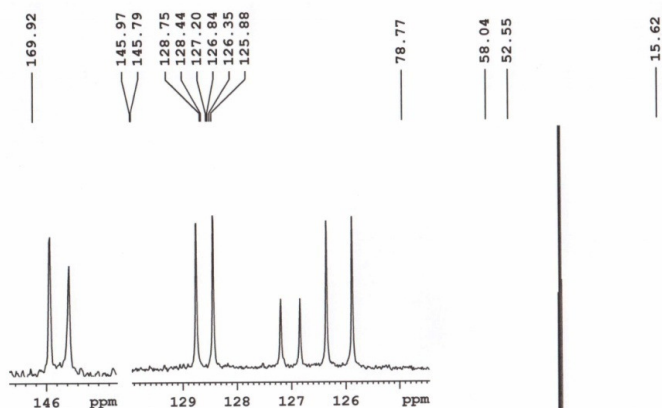
University of Dicle, Faculty of Science, Department of Chemistry, 21280, Diyarbakir, Turkey

E-mail. togrularya@gmail.com; . yturgut@dicle.edu.tr

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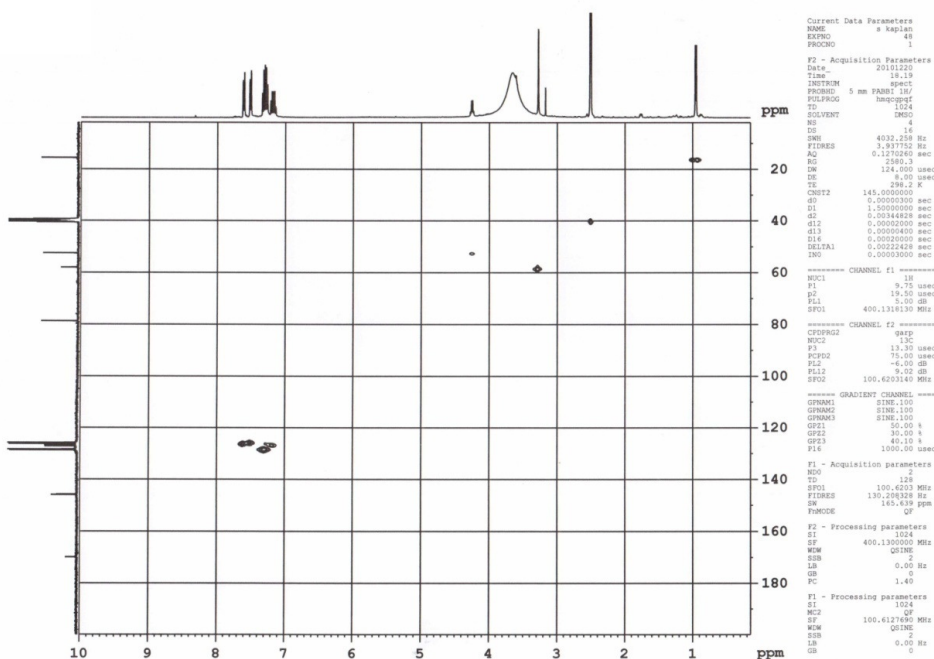
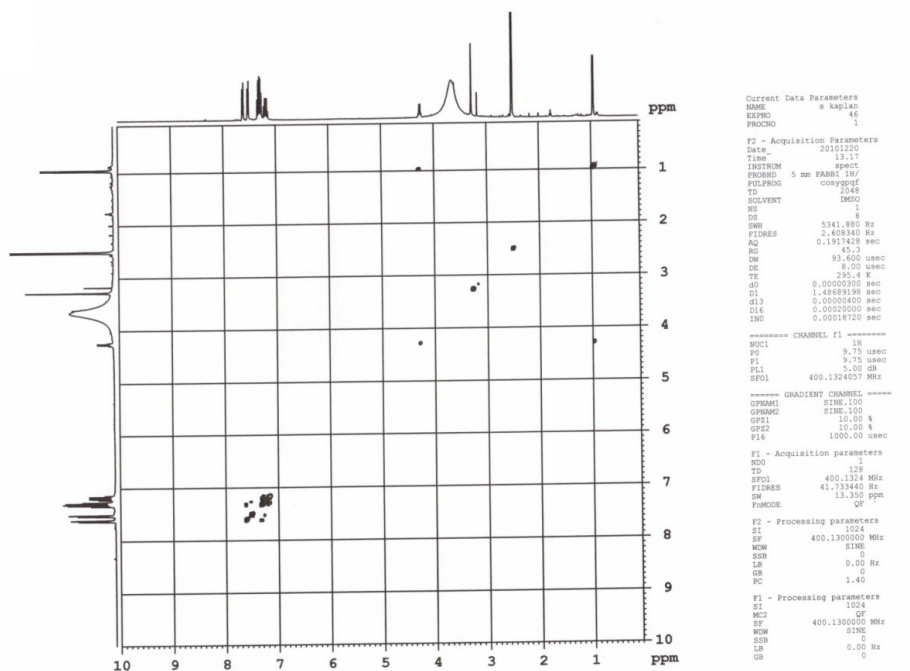
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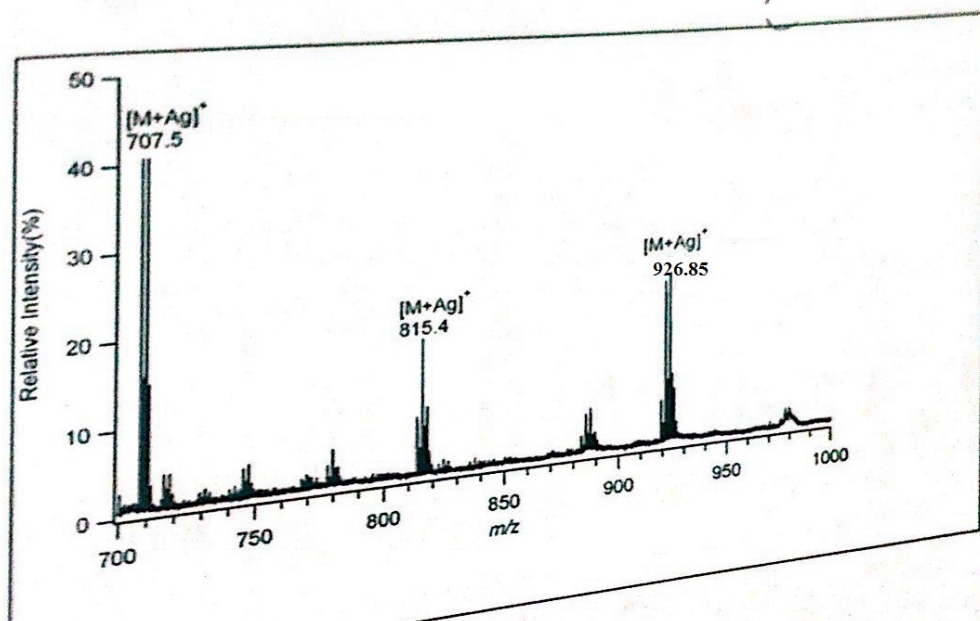
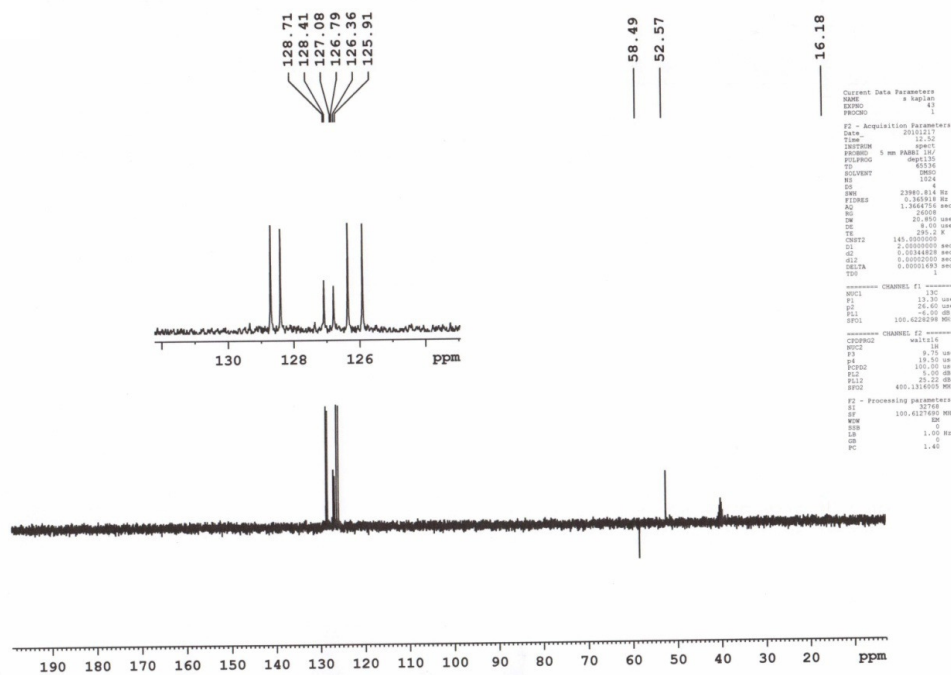


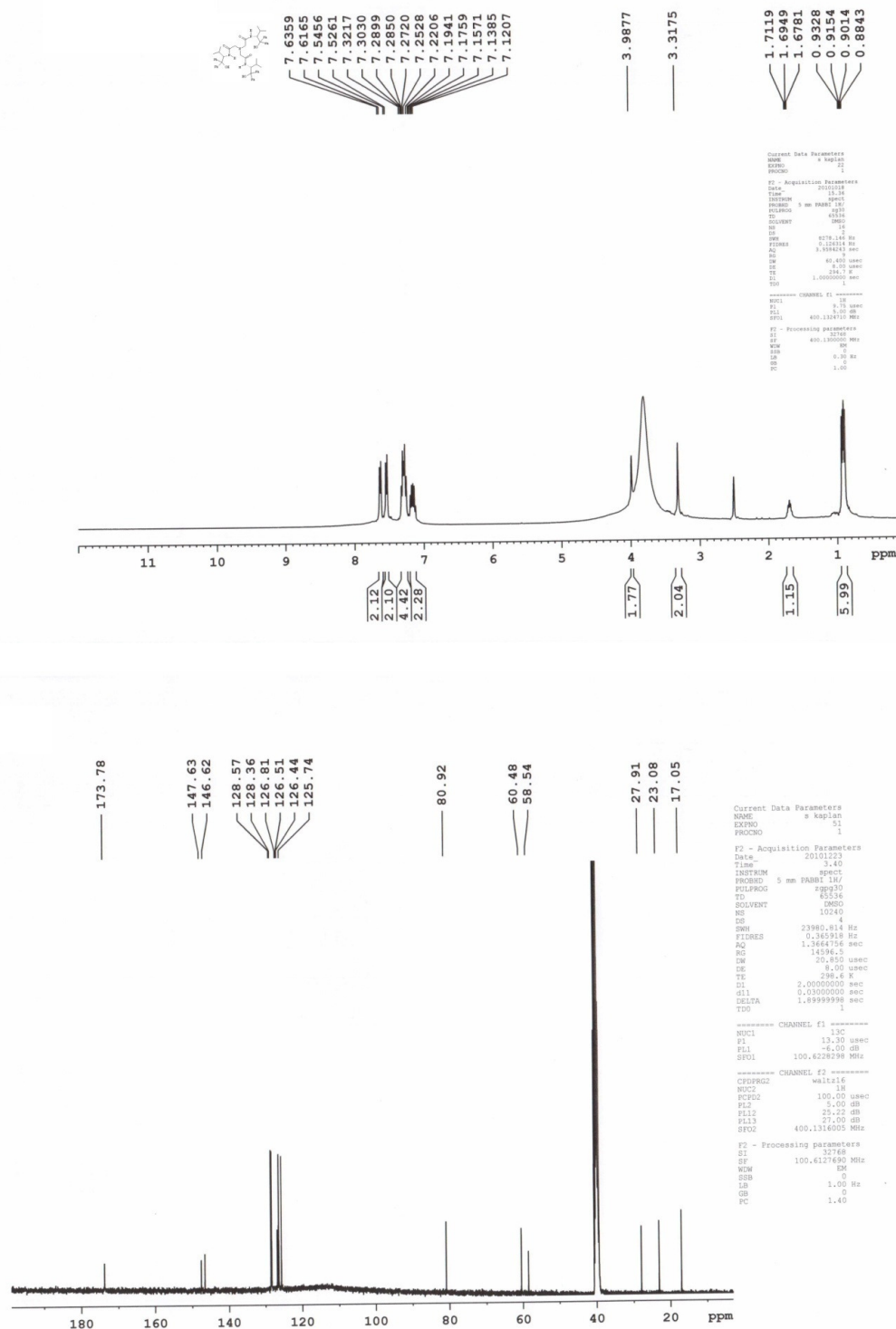
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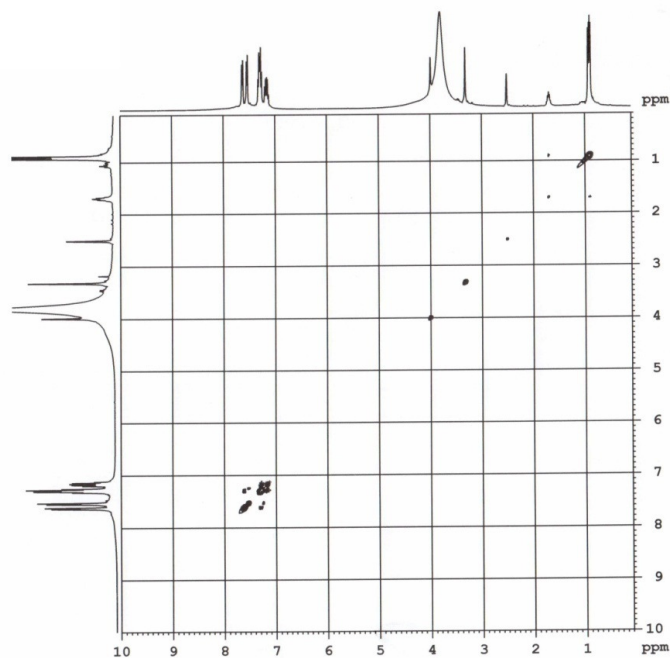
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P12         100.00 dB
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NUC2         13
PCPD2        100.00 uSec
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P11          23.2
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P13          27.00 dB
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AQ           400.133 sec
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2. ^1H (400 MHz), ^{13}C (100 MHz), ^1H - ^1H (COSY) and ^1H - ^{13}C (HMQC) and DEPT-135 NMR spectra of Tripodal Receptor 2 in DMSO- d_6 



Current Data Parameters
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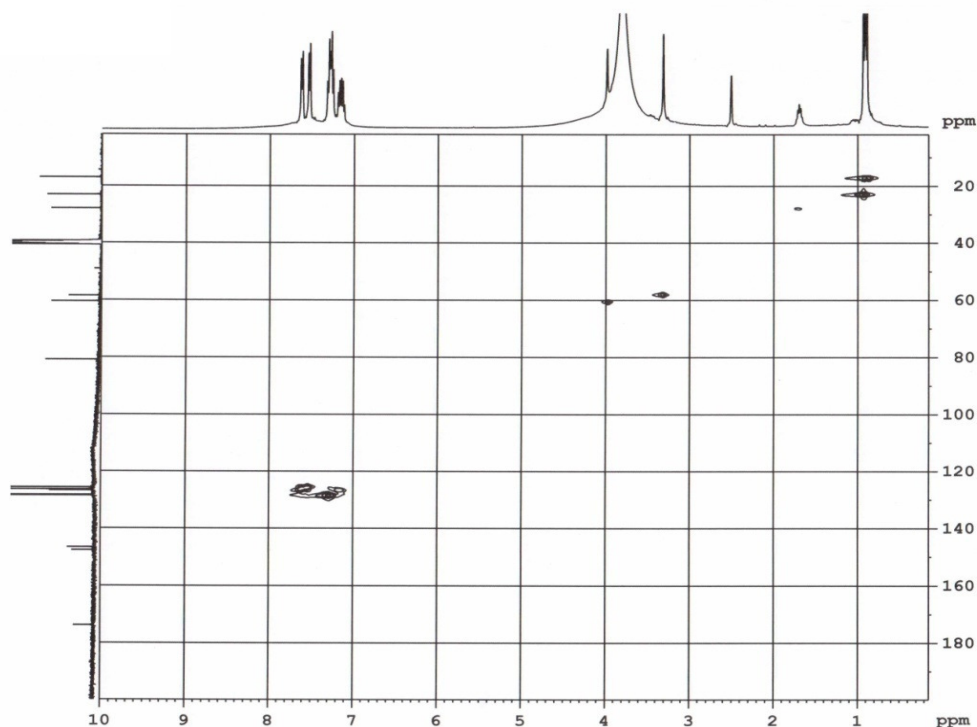
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GPE1: 10.00 %
GPE2: 10.00 %
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DM: 13.300 ppm
F0M0DE: QF

F2 - Processing parameters
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F1 - Processing parameters
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MC2: QF
SF: 400.1300000 MHz
WDW: SINE
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Current Data Parameters
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EXPNO: 25
PROCNO: 1

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Time: 19.09
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PULPROG: zgpg30
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AQ: 0.1270260 sec
RG: 14.25
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DE: 6.00 usec
TE: 294.2 K
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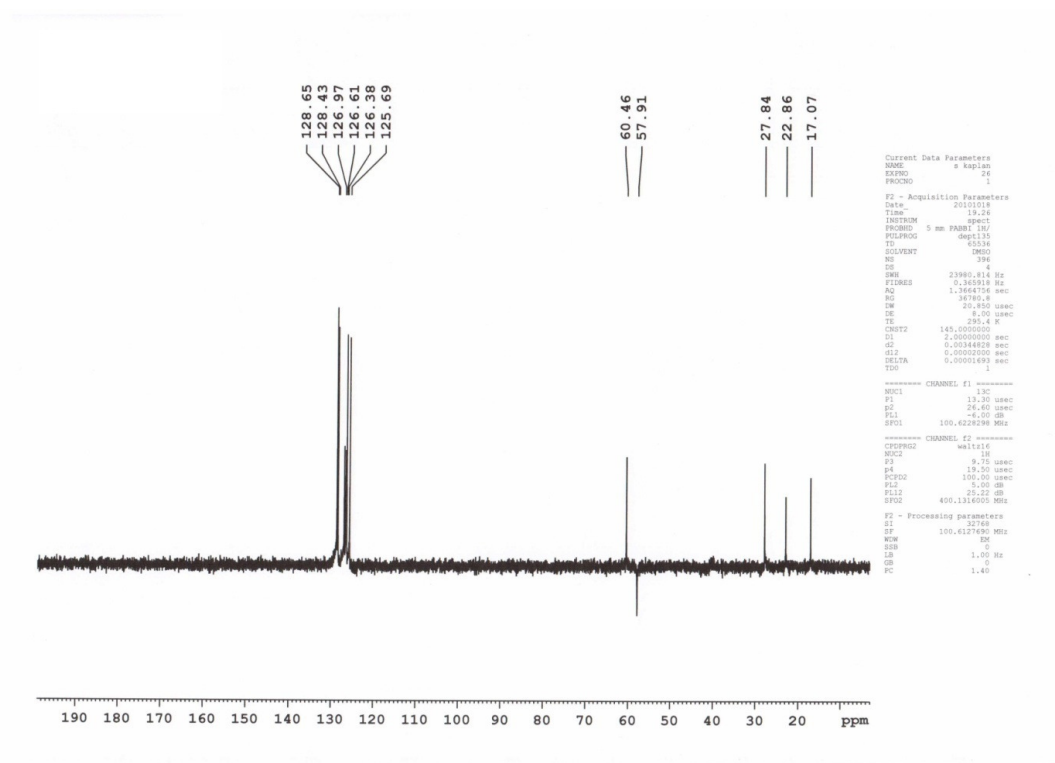
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PL12: 9.02 dB
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GPM3: SINE.100
GPE1: 50.00 %
GPE2: 30.00 %
GPE3: 40.10 %
P16: 1000.00 usec

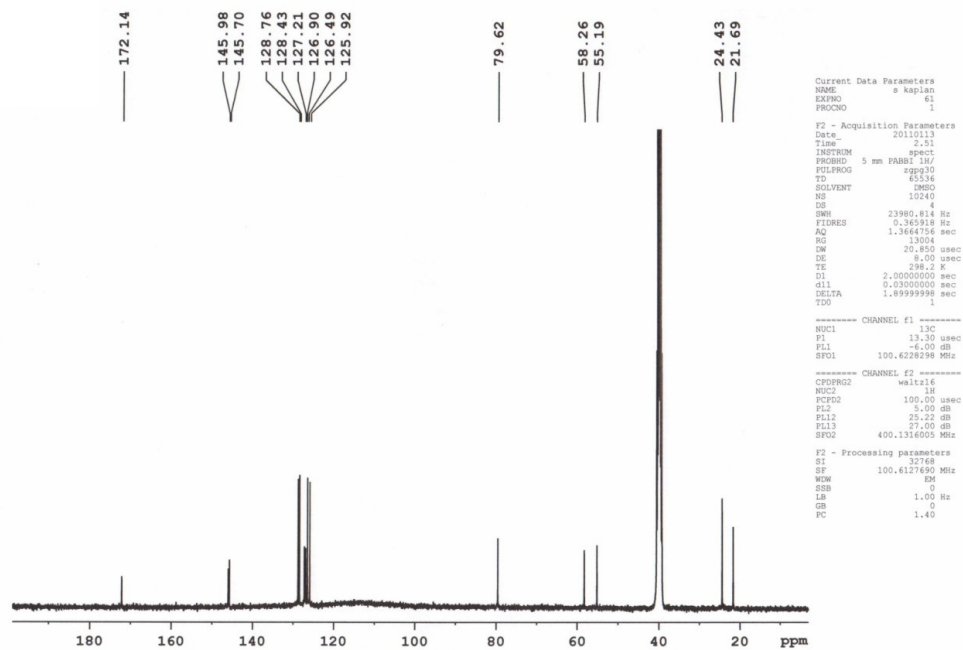
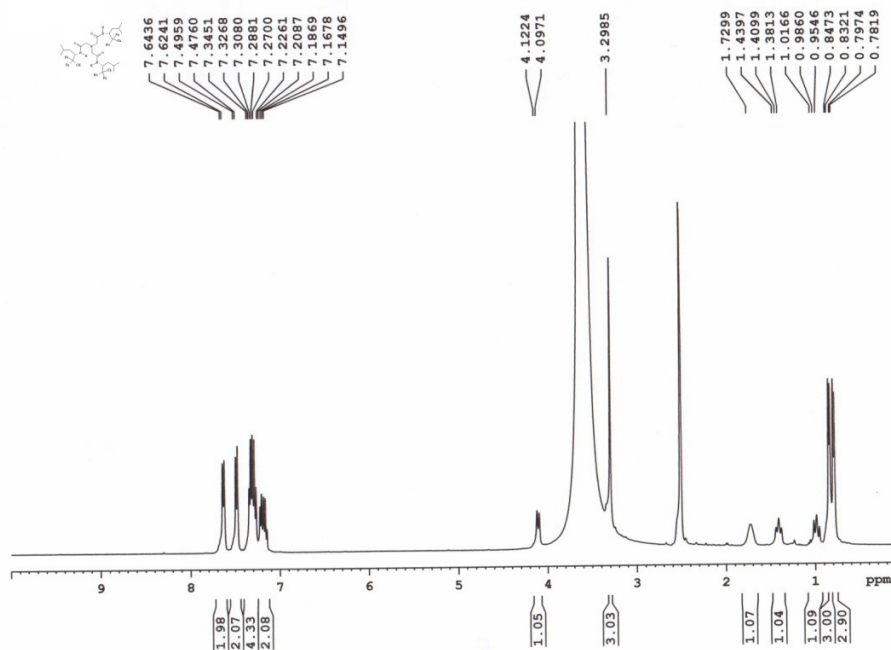
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F0M0DE: QF

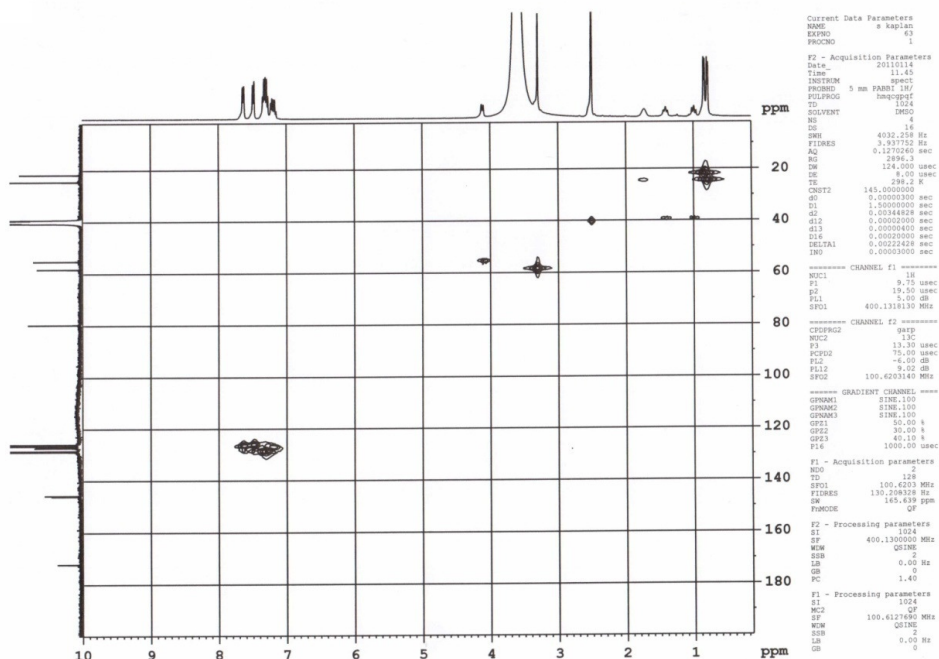
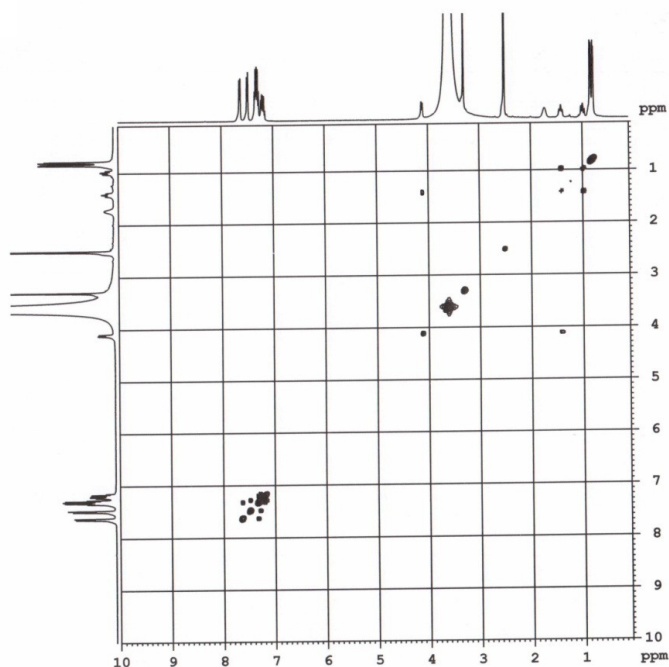
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PC: 1.40

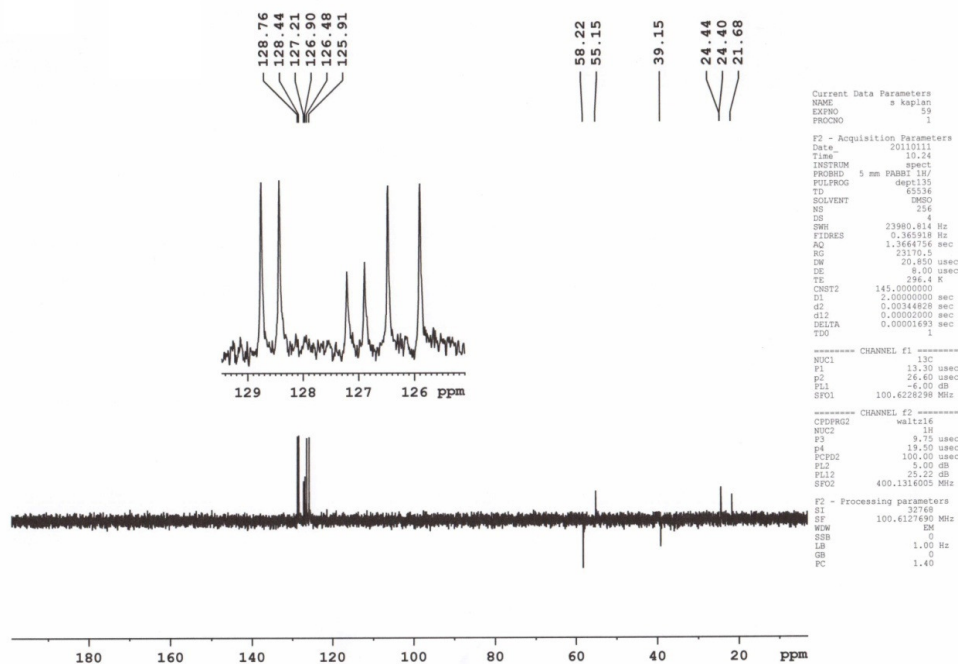
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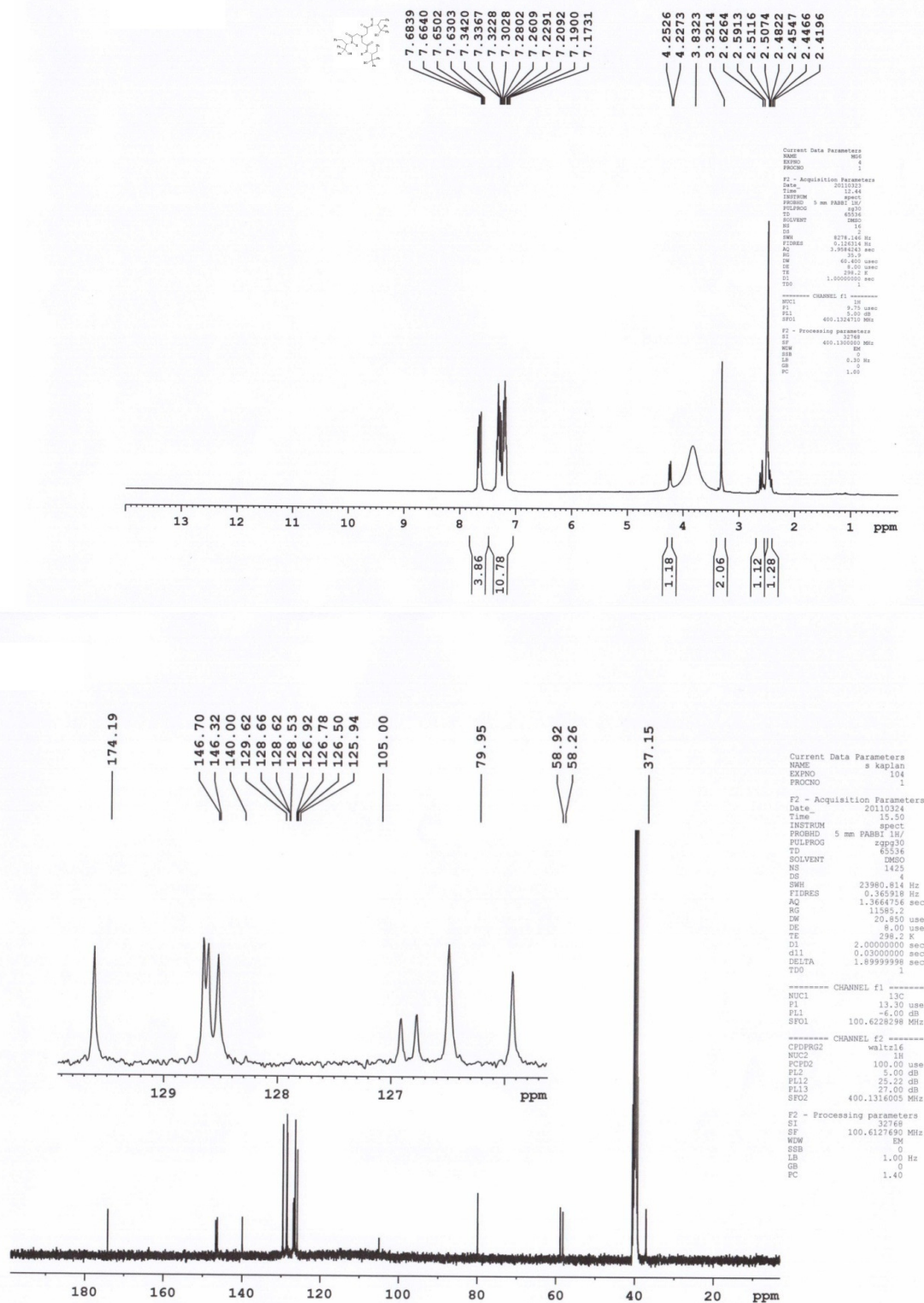


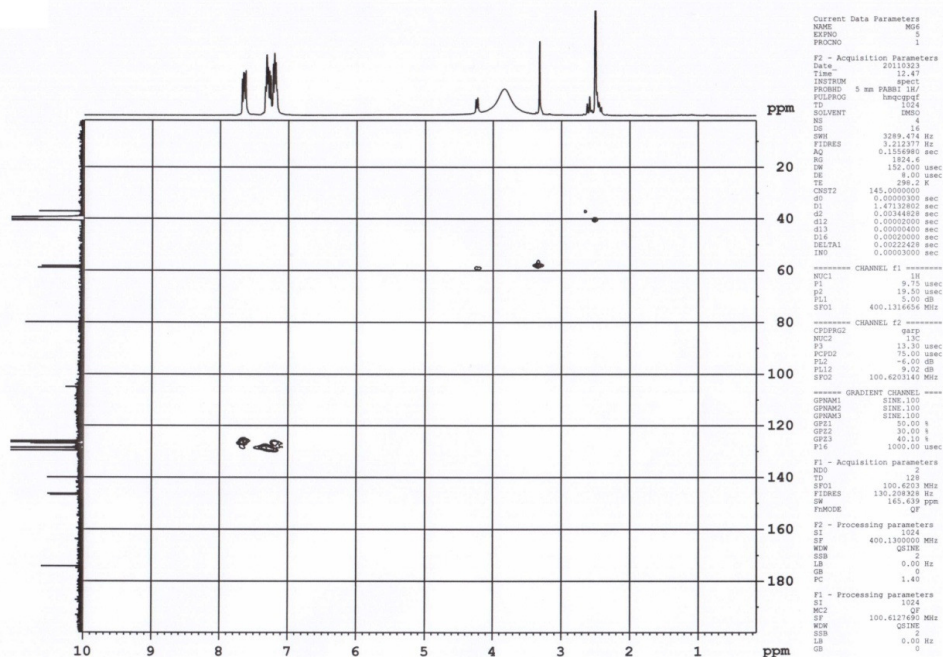
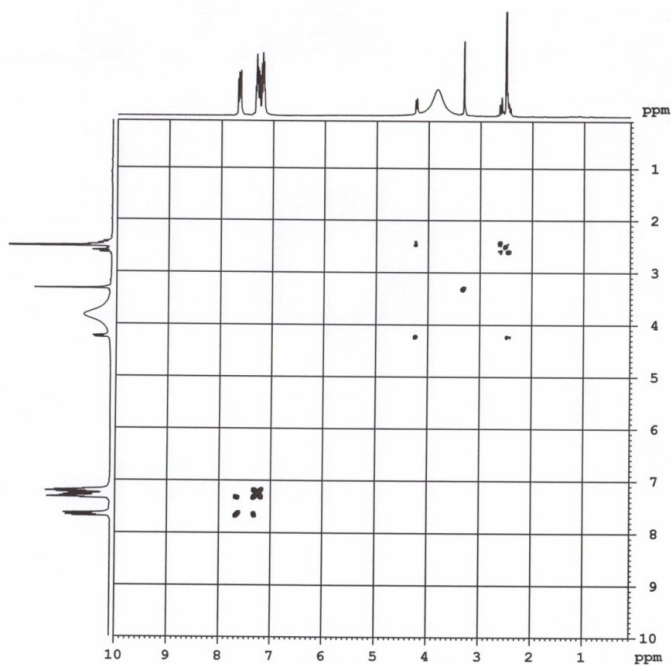
3. ^1H (400 MHz), ^{13}C (100 MHz), ^1H - ^1H (COSY) and ^1H - ^{13}C (HMQC) and DEPT-135 NMR spectra of Tripodal Receptor 3 in $\text{DMSO}-d_6$

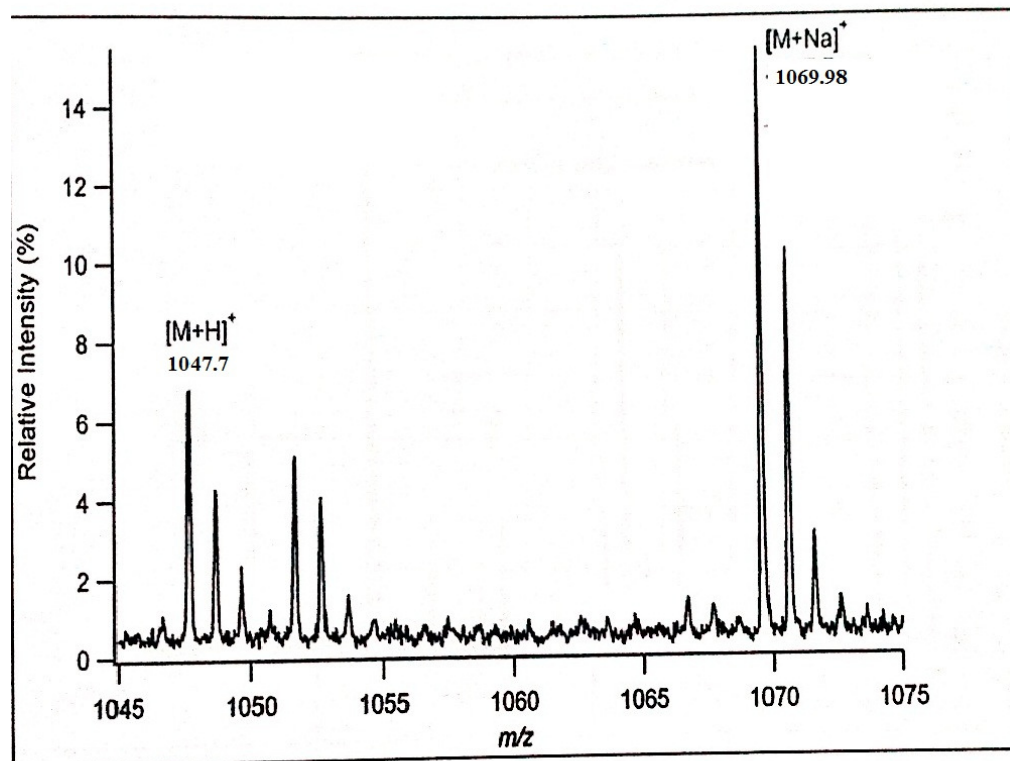
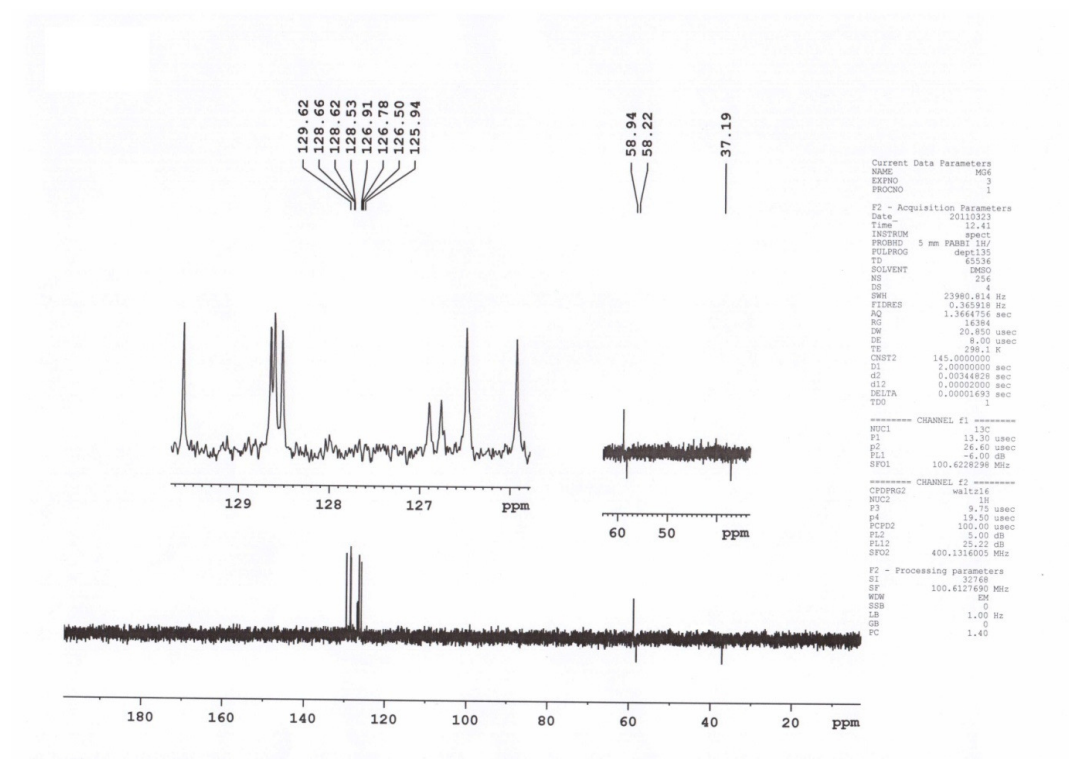






4. ^1H (400 MHz), ^{13}C (100 MHz), ^1H - ^1H (COSY) and ^1H - ^{13}C (HMQC) and DEPT-135 NMR spectra of Tripodal Receptor 4 in $\text{DMSO}-d_6$ 





Chemical structure of compound 10a: O=C1C(=O)N(C1)C2=CC=C(C=C2)C3=CC=CC=C3

¹H NMR spectrum (DMSO-d₆) showing peaks at the following chemical shifts (ppm): 7.7860, 7.7672, 7.4032, 7.3844, 7.3649, 7.2846, 7.2649, 7.2472, 7.1045, 7.0958, 7.0894, 7.0758, 7.0575, 7.0377, 6.9977, 6.9867, 6.9586, 5.2016, 4.2257, and 3.3156.

Integration values: 2.06, 2.07, 4.79, 5.07, 0.97, 1.01, 2.20.

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PROCNO: 1

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DATE_2: 20110101
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DS: 4
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FIDRES: 0.116110 Hz
AQ: 3.5582143 sec
RG: 27.0
WE: 60.400 sec
DE: 3.00 uMMS
TE: 300.2 K
DQ: 1.0000000 sec
TDC: 1

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PL1: 0.00 dB
SFO1: 400.1124710 MHz

F2 - Processing parameters:
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LB: 0.30 Hz
GB: 0
PC: 1.00

