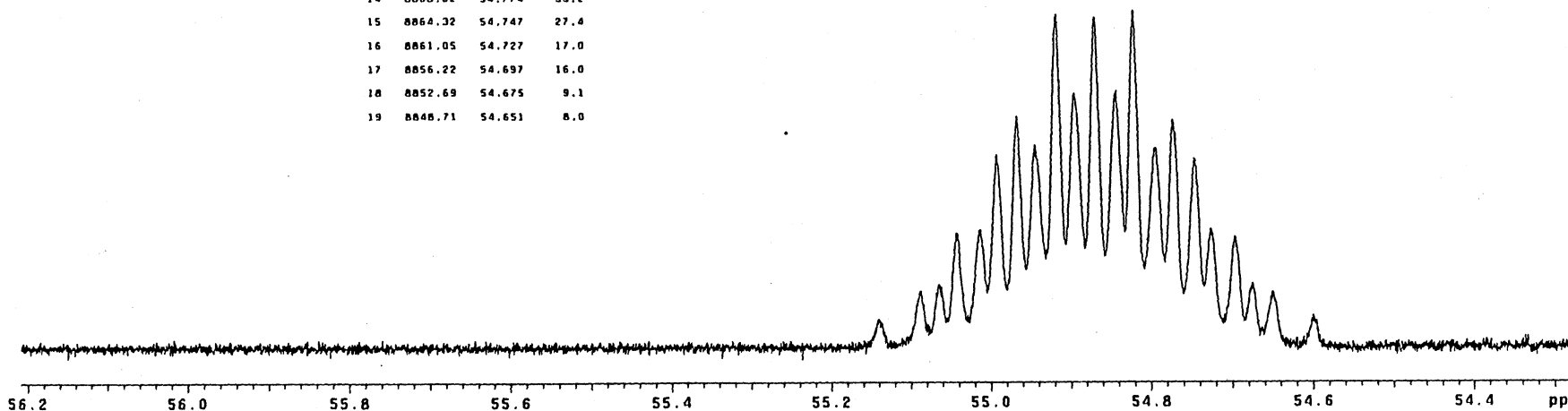
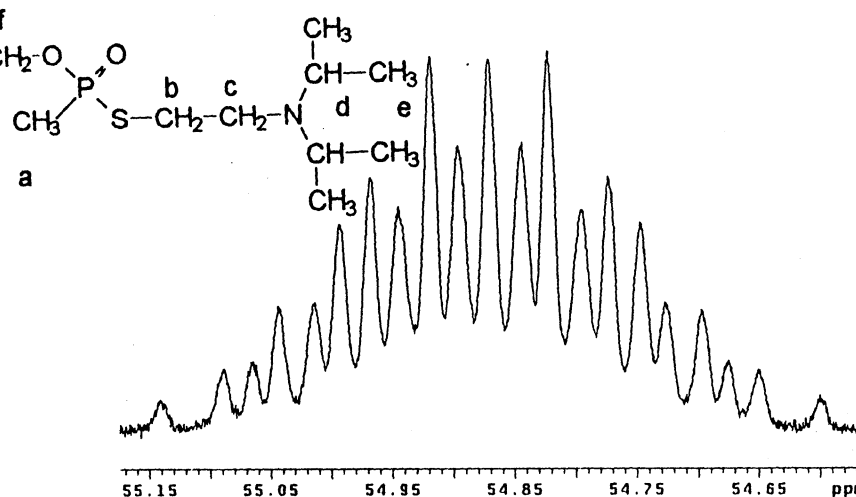


31P-NMR pjc3ac dm-vyn
 36.9mg VS in 0.7ml CDC13
 214196066.004 Jrn.407;053/100
 solvent: CDC13
 Temp: 30.0 C / 303.1 K
 User: pm1
 File: pjc3ac
 VXR-400S "pm1vyr"
 PULSE SEQUENCE
 Relax. delay 3.400 sec
 Pulse 60.0 degrees
 acq. time 5.402 sec
 Width 314.9 Hz
 400 repetitions
 OBSERVE P31, 161.9047106 MHz
 DECOUPLE H1, 399.9571965 MHz
 Power 44 dB
 off during acquisition
 on during delay
 VALT2-16 modulated
 DATA PROCESSING
 FT size 32768
 Total time 65 minutes

SPECTRAL LINES for th-5.4 i h g f

rf1: 9A.2 rfp: 8884.4
 res 54.6ppm:2.3Hz

nr	Hz	ppm	intensity
1	8919.69	55.089	8.1
2	8915.71	55.065	9.1
3	8912.35	55.044	16.5
4	8907.47	55.014	17.0
5	8904.16	54.993	28.0
6	8899.99	54.968	33.7
7	8896.34	54.945	29.5
8	8892.00	54.918	48.8
9	8888.38	54.896	37.1
10	8884.36	54.871	48.5
11	8879.90	54.843	37.5
12	8876.46	54.822	49.4
13	8871.95	54.794	29.0
14	8868.62	54.774	33.2
15	8864.32	54.747	27.4
16	8861.05	54.727	17.0
17	8856.22	54.697	16.0
18	8852.69	54.675	9.1
19	8848.71	54.651	8.0



n-Butyl S-2-diisopropylaminoethyl methylphosphono-
 thiolate
 Nucleus : ³¹P
 Frequency : 161.9 MHz
 Concentration : ca. 36.9 mg/0.7 ml CDC13
 Reference H3PO4 external. Res. : 2.3 Hz (54.8 ppm)
 Instrument : Varian VXR 400S

Temperature : 30 °C
 Spectral width : 314.9 Hz
 Data point (FID) : 4 K
 Pulse angle : 10.3 μs (60°)
 Number of pulses : 400
 Repetition time : 9.8 s
 Line broadening : not used
 Data points (spec) : 32 K

P: 54.9 ppm
 J(aP) : 15.6 Hz
 J(fP) : ca 8 Hz
 J(f'P) : ca 8 Hz