

31P-NMR p1123c da-n  
n-propyl methylthiophosphonofluoridate  
In ca 0.7ml CDCl3  
214195126.D06 Jrn.342;147/200

Solvent: CDCl3  
Temp. 30.0 C / 303.1 K  
User: pm1

File: p1123c  
VXR-400S "pm1vvr"

PULSE SEQUENCE  
Relax. delay 3.400 sec  
Pulse 60.0 degrees  
Acq. time 5.894 sec  
Width 1389.9 Hz  
56 repetitions

OBSERVE P31, 161.9047057 MHz

DATA PROCESSING  
FT size 65536  
Total time 8 minutes

SPECTRAL LINES for th=0.6

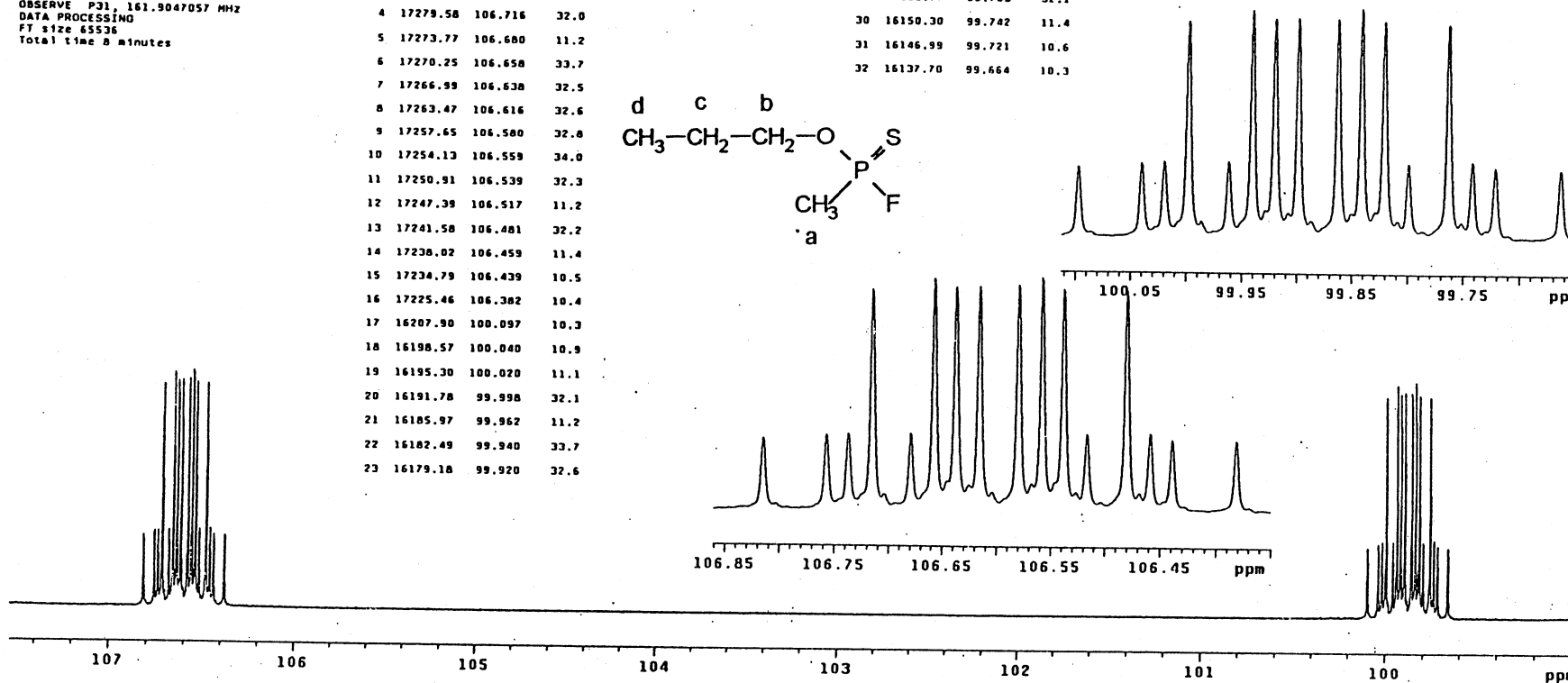
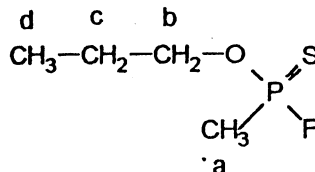
rf1= 1240.1 rfp= 17261.5

res.106.7ppm:0.7Hz

nr Hz ppm intensity

nr	Hz	ppm	intensity
1	17295.66	106.815	10.4
2	17266.33	106.758	10.9
3	17283.11	106.738	11.0
4	17279.58	106.716	32.0
5	17273.77	106.680	11.2
6	17270.25	106.658	33.7
7	17266.99	106.638	32.5
8	17263.47	106.616	32.6
9	17257.65	106.580	32.8
10	17254.13	106.559	34.0
11	17250.91	106.539	32.3
12	17247.39	106.517	11.2
13	17241.58	106.481	32.2
14	17238.02	106.459	11.4
15	17234.79	106.439	10.5
16	17225.46	106.382	10.4
17	16207.90	100.097	10.3
18	16198.57	100.040	10.9
19	16195.30	100.020	11.1
20	16191.78	99.998	32.1
21	16185.97	99.962	11.2
22	16182.49	99.940	33.7
23	16179.18	99.920	32.6

nr	Hz	ppm	intensity
24	16175.70	99.898	32.7
25	16169.85	99.862	32.7
26	16166.37	99.841	34.2
27	16163.11	99.821	32.3
28	16159.59	99.799	11.1
29	16153.77	99.763	32.1
30	16150.30	99.742	11.4
31	16146.99	99.721	10.6
32	16137.70	99.664	10.3



n-Propyl methylthiophosphonofluoridate  
CAS 4241-38-7

Nucleus :

Frequency : 161.9 MHz

Concentration : ca. 154 mg/0.7 ml CDCl<sub>3</sub>

Reference H<sub>3</sub>PO<sub>4</sub> external. Res. : 0.7 Hz (106.7 ppm)

Instrument : Varian VXR 400S

<sup>31</sup>P

Temperature : 30 °C

Spectral width : 1389.9 Hz

Data point (FID) : 16 K

Pulse angle : 10.4 μs (60°)

Number of pulses : 56

Repetition time : 9.3 s

Line broadening : not used

Data points (spec) : 64 K

P: 103.3 ppm J(PF) : 1087.8 Hz J(aP) : 16.1 Hz

J(bP) : 9.3 Hz

J(b'P) : 12.6 Hz