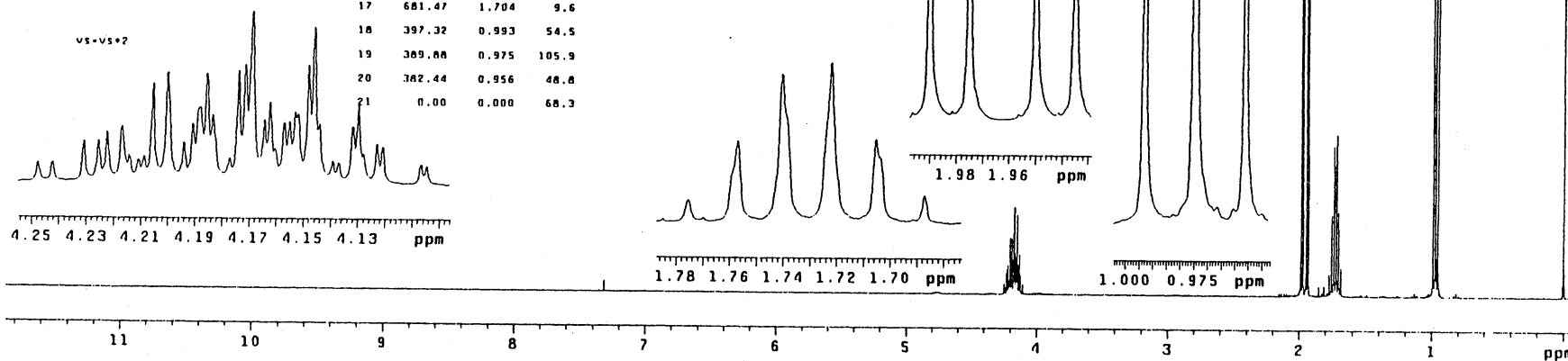
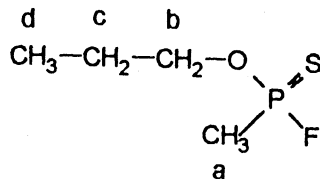


1H-NMR hjb02a + TMS
ca 154mg n-propyl methylthiophosphonofluoridate in ca 0.7ml CDCl3
214496036 jrn.342;172/200

Solvent: CDCl3
Temp: 30.0 C / 303.1 K
User: pm1
File: hjb02a
VXR-400S "pmlvkr"
PULSE SEQUENCE
Relax. delay 3.000 sec
Pulse 60.0 degrees
Acq. time 5.041 sec
Width 6499.8 Hz
64 repetitions
OBSERVE H1, 399.9551719 MHz
DATA PROCESSING
FT size 131072
Total time 8 minutes

SPECTRAL LINES for th-6.0			
nr	Hz	ppm	intensit
1	1682.01	4.205	7.3
2	1679.83	4.200	8.1
3	1674.08	4.186	8.0
4	1669.42	4.174	8.2
5	1668.43	4.172	8.7
6	1667.43	4.169	12.5
7	1659.10	4.148	8.6
8	1658.31	4.146	11.4
9	796.03	1.990	85.7
10	789.98	1.975	79.3
11	779.96	1.950	81.0
12	773.91	1.935	81.9
13	702.80	1.757	11.7
14	696.15	1.741	21.6
15	688.71	1.722	23.3
16	682.07	1.705	12.2
17	681.47	1.704	9.6
18	397.32	0.993	54.5
19	389.88	0.975	105.9
20	382.44	0.956	48.8
21	0.00	0.000	68.3



n-Propyl methylthiophosphonofluoridate

CAS 4241-38-7

Nucleus :

Frequency :

Concentration :

Reference TMS internal. Resolution :

Instrument :

¹H

400.0 MHz

ca. 154 mg/0.7 ml CDCl₃

0.4 Hz (TMS)

Varian VXR 400S

Temperature : 30 °C

Spectral width : 6499.8 Hz

Data point (FID) : 64 K

Pulse angle : 16.4 μs (60°)

Number of pulses : 64

Repetition time : 8.0 s

Line broadening : not used

Data points (spec) : 128 K

a: 1.96 ppm

b: 4.15 ppm

b': 4.20 ppm

c: 1.73 ppm

d: 0.98 ppm

J(bc) : 6.7 Hz

J(cd) : 7.3 Hz

J(bb') : 10.1 Hz

J(aP) : 16.1 Hz

J(bP) : 9.3 Hz

J(b'P) : 12.6 Hz

J(aF) : 6.0 Hz

J(bF) : 0.8 Hz

J(b'F) : 2.2 Hz