

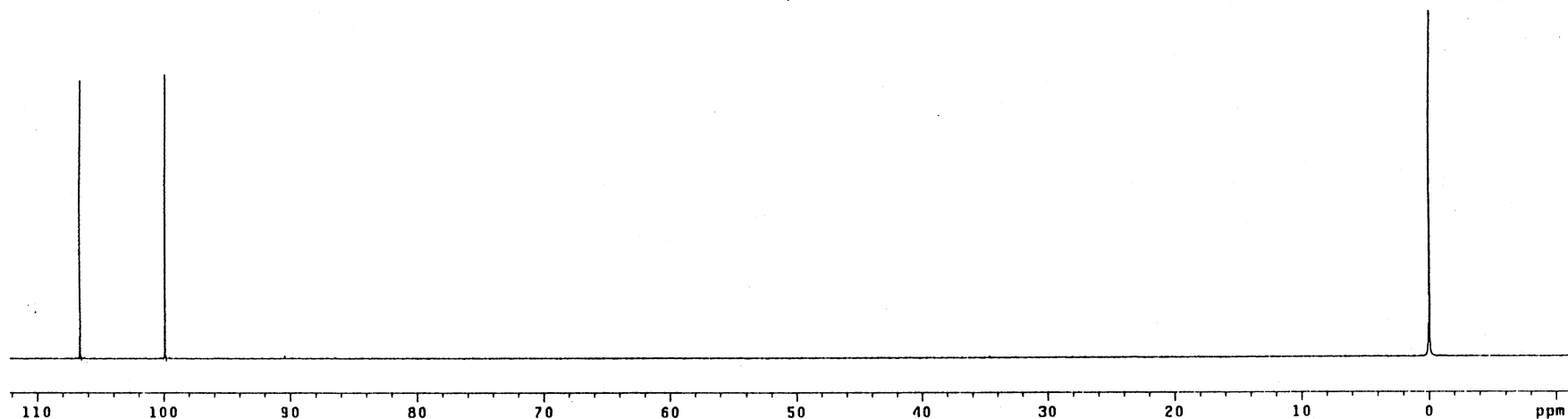
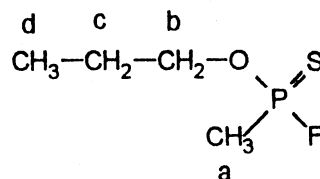
³¹P-NMR p1123b2(1H) + cap 85X H3PO4
 n-propyl methylthiophosphonofluoridate
 in ca 0.7ml CDCl3
 214195126.006 Jrn.342;147/200
 Solvent: CDCl3
 Temp. 30.0 C / 303.1 K
 User: pm1
 File: p1123b2
 VXR-400S "pm1vvr"
 PULSE SEQUENCE
 Relax. delay 3.400 sec
 Pulse 60.0 degrees
 Acq. time 3.205 sec
 Width 19970.0 Hz
 8 Repetitions
 OBSERVE p31, 161.9847008 MHz
 DECOUPLE H1, 399.9571985 MHz
 Power 44 dB
 on during acquisition
 off during delay
 WALTZ-16 modulated
 DATA PROCESSING
 Line broadening 0.1 Hz
 FT size 131072
 Total time 1 minute

SPECTRAL LINES for th-36.5

rf1= 1800.6 rfp= 0.0

H3PO4 internal; res. 106.6 ppm; 1.3 Hz

nr	Hz	ppm	intensity
1	17263.19	106.620	40.6
2	16175.63	99.903	41.5
3	0.00	0.000	50.9



n-Propyl methylthiophosphonofluoridate
 CAS 4241-38-7

Nucleus : ³¹P{¹H}
 Frequency : 161.9 MHz
 Concentration : ca. 154 mg/0.7 ml CDCl₃
 Reference H₃PO₄ external. Res. : 1.3 Hz (106.6 ppm)
 Instrument : Varian VXR 400S

Temperature : 30 °C
 Spectral width : 19970.0 Hz
 Data point (FID) : 128 K
 Pulse angle : 10.4 μs (60°)
 Number of pulses : 8
 Repetition time : 6.6 s
 Line broadening : 0.1 Hz
 Data points (spec) : 128 K
 P: 103.3 ppm J(PF) : 1087.8 Hz