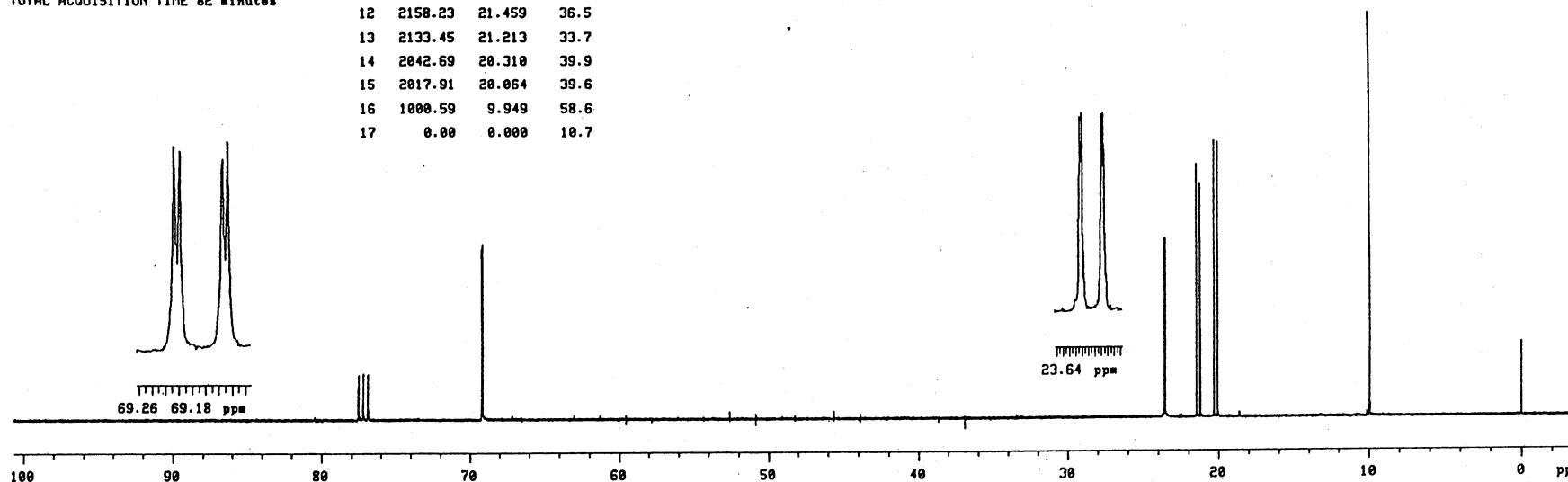
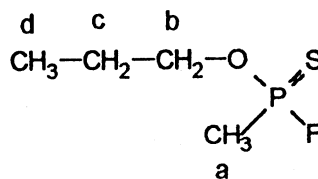


13C-NMR cjb02b(1H) + TMS
 ca 154mg n-propyl methylthiophosphonofluoridate in ca 0.7ml CDCl3
 214496036 jrn.342;172/200
 OBSERVE C13
 FREQUENCY 100.574 MHz
 SPECTRAL WIDTH 10545.7 Hz
 ACQUISITION TIME 3.107 sec
 RELAXATION DELAY 1.000 sec
 PULSE WIDTH 13.2 usac
 TEMPERATURE 30.0 deg. C.
 NO. REPETITIONS 1200
 DECOUPLE H1
 HIGH POWER 44
 DECOUPLER CONTINUOUSLY ON
 WALTZ16 MODULATED
 DOUBLE PRECISION ACQUISITION
 DATA PROCESSING
 LINE BROADENING 0.1 Hz
 FT SIZE 131072
 TOTAL ACQUISITION TIME 82 minutes

SPECTRAL LINES for th=5.4
 rfi= 422.6 rfp= 0.0
 TMS internal

nr	Hz	ppm	intensity
1	7795.98	77.515	6.5
2	7763.96	77.197	6.8
3	7731.94	76.878	6.6
4	6960.50	69.208	24.4
5	6959.53	69.198	24.1
6	6953.09	69.134	23.9
7	6952.29	69.126	25.1
8	2372.25	23.587	24.8
9	2371.61	23.581	25.7
10	2365.33	23.518	25.0
11	2364.69	23.512	25.7
12	2158.23	21.459	36.5
13	2133.45	21.213	33.7
14	2042.69	20.310	39.9
15	2017.91	20.064	39.6
16	1000.59	9.949	58.6
17	0.00	0.000	10.7



n-Propyl methylthiophosphonofluoridate
 CAS 4241-38-7

Nucleus : $^{13}\text{C}\{^1\text{H}\}$
 Frequency : 100.6 MHz
 Concentration : ca. 154 mg/0.7 ml CDCl_3
 Reference TMS internal. Resolution. : 0.7 Hz (TMS)
 Instrument : Varian VXR 400S

Temperature : 30 °C
 Spectral width : 10545.7 Hz
 Data point (FID) : 64 K
 Pulse angle : 13.2 μs (60°)
 Number of pulses : 1200
 Repetition time : 4.1 s
 Line broadening : 0.1 Hz
 Data points (spec) : 128 K

a: 20.8 ppm J(aP) : 115.4 Hz J(aF) : 24.9 Hz
 b: 69.2 ppm J(bP) : 7.2 Hz J(bF) : 0.8 Hz
 c: 23.5 ppm J(cP) : 7.0 Hz J(cF) : 0.6 Hz
 d: 9.9 ppm