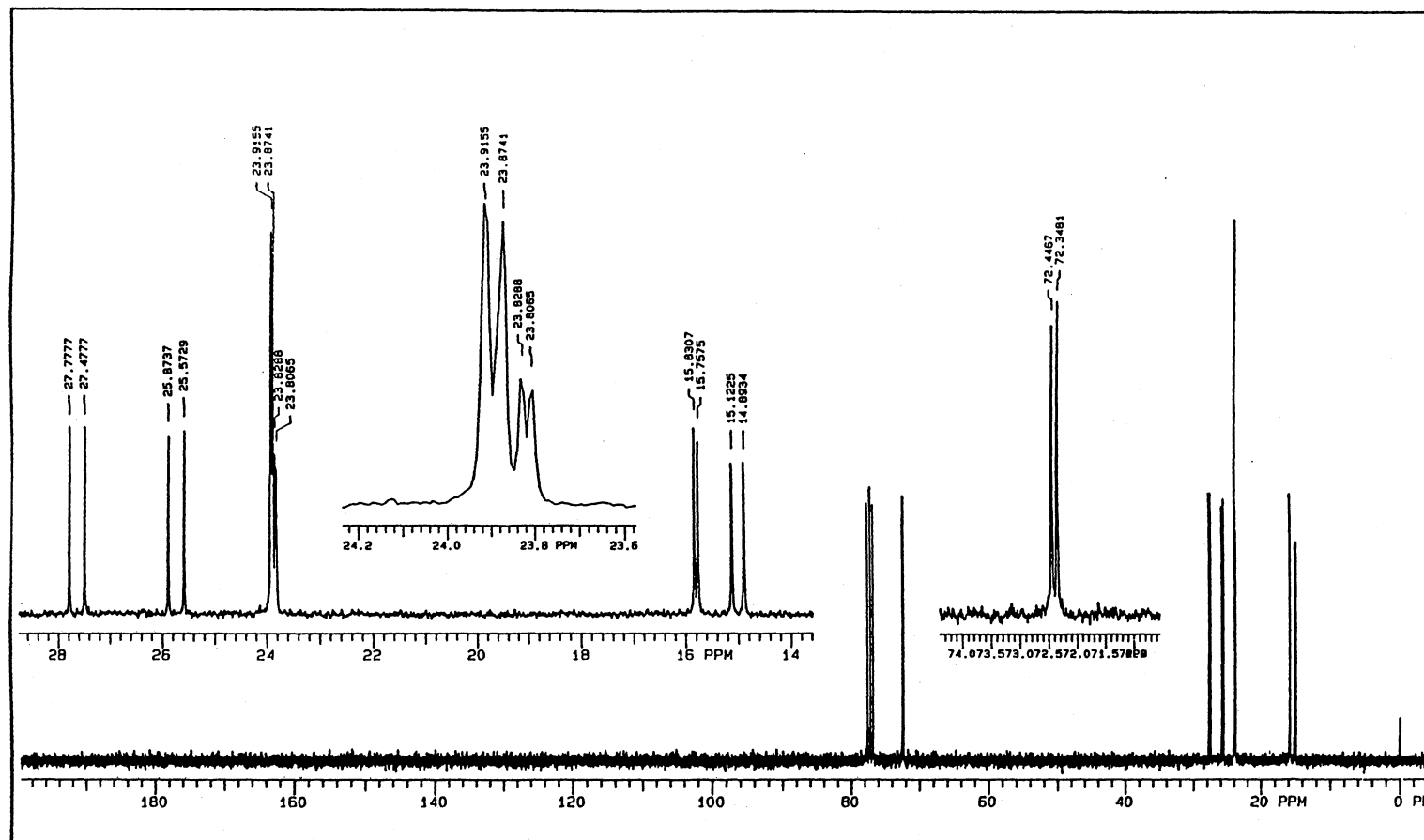
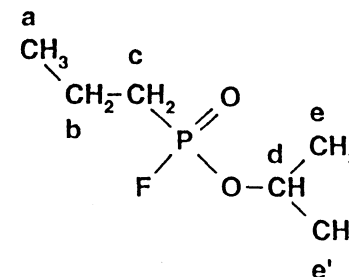


Isopropyl n-propylphosphonofluoridate

[18358-37-7]

 $^{13}\text{C}\{\text{H}\}$ -NMR

nuc.	δ [ppm]
a	14.99
b	15.79
c	26.68
d	72.40
e, e'	23.86, 23.89

J(a, P)	17.5 Hz
J(b, P)	5.6 Hz
J(c, P)	143.6 Hz
J(c, F)	22.7 Hz
J(d, P)	7.4 Hz
J(e, P)	6.0 Hz
J(e, F)	1.8 Hz
J(e'P)	3.3 Hz

Res. freq. 75.429 MHz
 Solvent: CDCl_3
 Temperature: 24°C
 Concentration: approx. 100mg/ml
 Reference: TMS (internal)

Spectral width: 17699 Hz
 Data points (FID): 64K
 Data points (spec.): 32K
 Pulse width: $5.6 \mu\text{s}$ (38°)
 Number of scans: 401

Rep.time.: 1.82 s
 Line broad.: exp., 0.5 Hz
 Resolution: 0.95 Hz (TMS)
 Instrument: Varian VXR-300
 Sample Code: BI14B95/2
 Filename: BI17B2/95