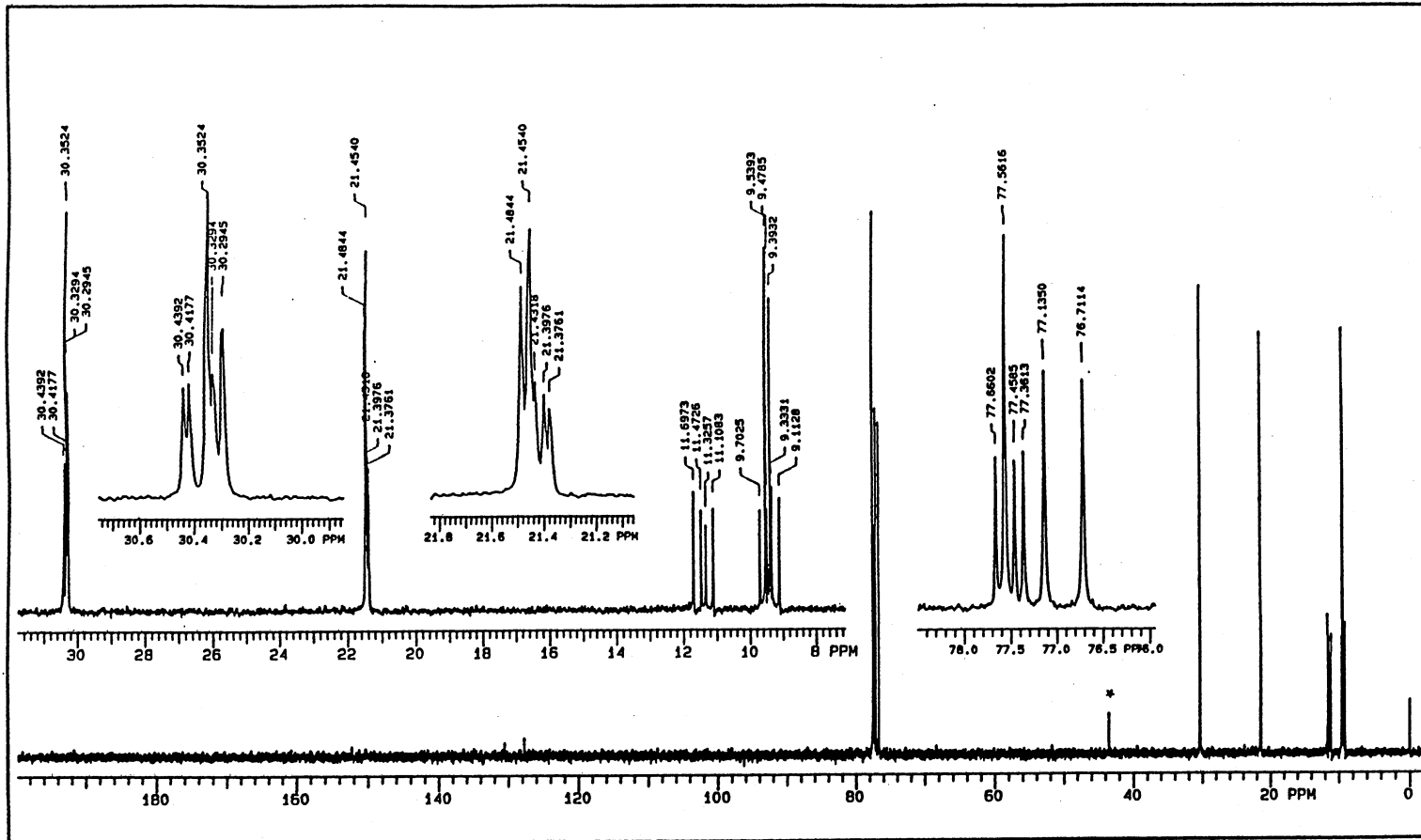
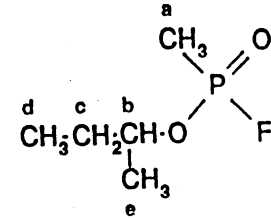


sec-Butyl methylphosphonofluoridate

[352-52-3]

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

nuc.	δ [ppm]
a	10.28, 10.51
b	77.41, 77.61
c	30.32, 30.38
d	9.39, 9.54
e	21.41, 21.47

J(a, P)	150.5 Hz
J(a, F)	27.5, 28.1 Hz
J(b, P)	7.3, 7.4 Hz
J(c, P)	4.4, 6.6 Hz
J(c, F)	1.6 Hz
J(e, P)	4.2, 2.3 Hz
J(e, F)	1.6 Hz

mixture of diastereomers

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

Spectral width: 16502 Hz
 Data points (FID): 54080
 Data points (spec.): 32K
 Pulse width: $5.6 \mu\text{s}$ (38°)
 Number of scans: 2404

Rep.time.: 1.64 s
 Line broad.: exp., 0.5 Hz
 Resolution: 0.73 Hz (TMS)
 Instrument: Varian VXR-300
 Filename: