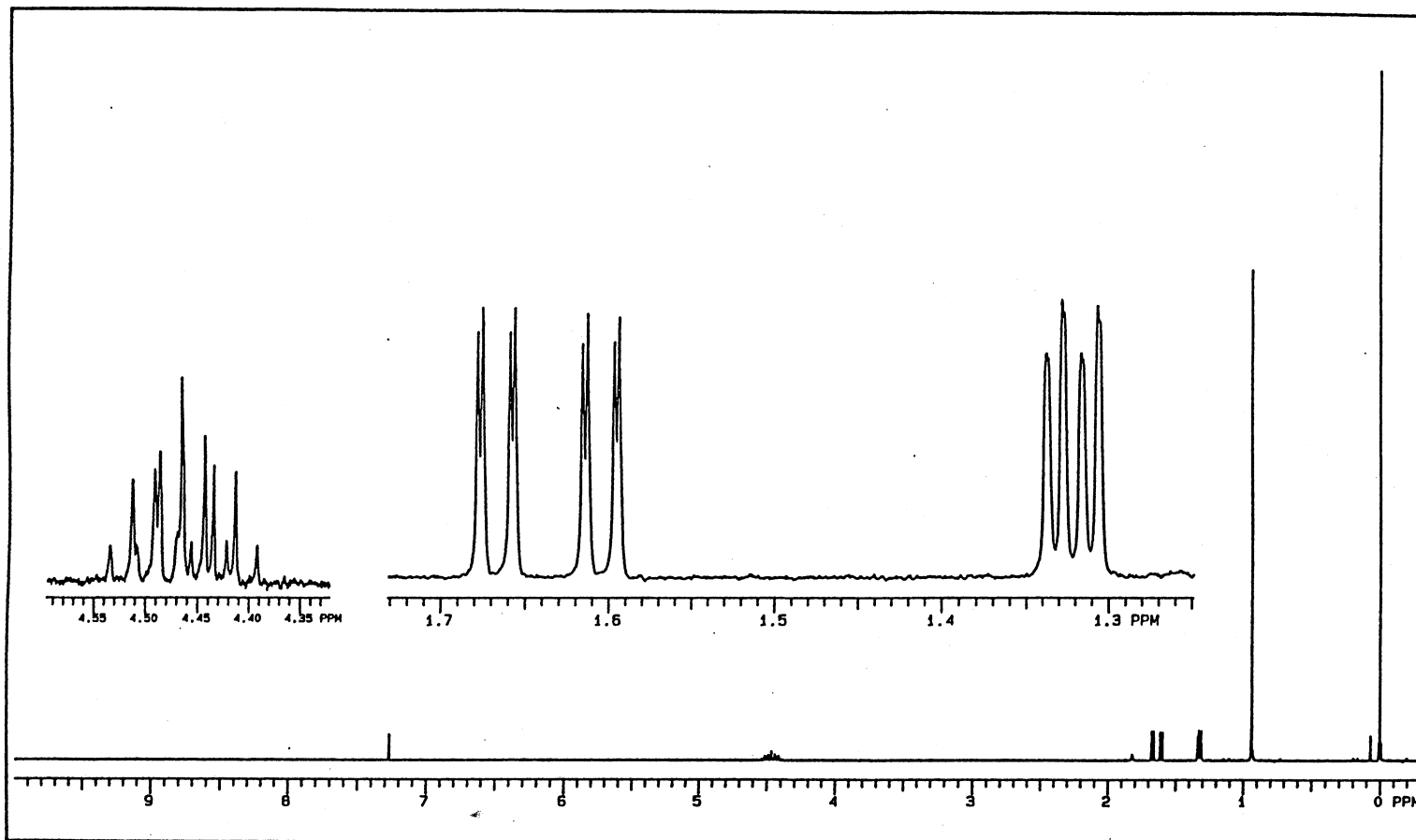
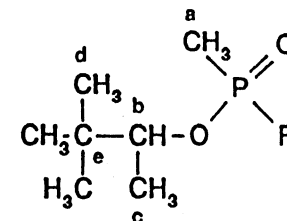


Soman

[96-64-0]

 $^1\text{H-NMR}$ nuc. δ [ppm]

| | |
|---|------------|
| a | 1.63, 1.64 |
| b | 4.49, 4.44 |
| c | 1.32, 1.33 |
| d | 0.94 |

| | |
|--------|-------------|
| J(a,P) | 18.6 Hz |
| J(a,F) | 5.7 Hz |
| J(b,P) | 8.0, 9.0 Hz |
| J(b,c) | 6.4 Hz |

mixture of diastereomers

Res. freq.: 299.943 MHz
 Solvent: CDCl_3
 Temperature: 24°C
 Concentration: 20mg/ml
 Reference: TMS (internal)

Spectral width: 4000 Hz
 Data points (FID): 33600
 Data points (spec.): 32K
 Pulse width: 7 μs (24°)
 Number of scans: 12

Rep.time.: 4.20 s
 Line broad.: not used
 Resolution: 0.50 Hz (TMS)
 Instrument: Varian VXR-300
 Filename: