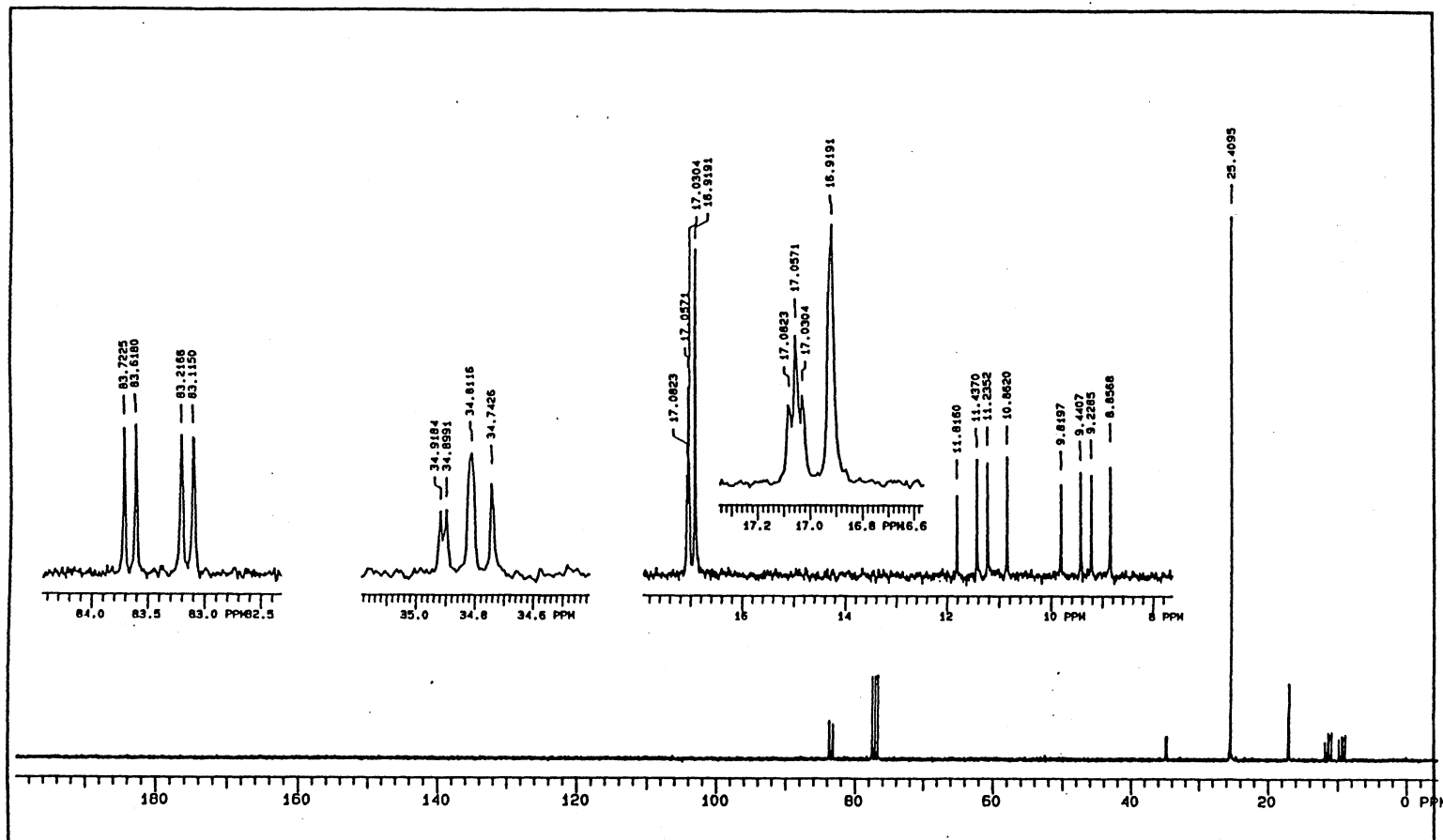
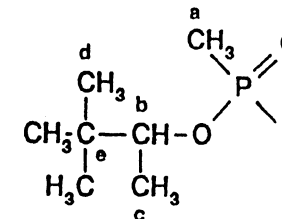


Soman

[96-64-0]

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

| nuc. | δ [ppm] |
|------|----------------|
| a | 10.05, 10.63 |
| b | 83.17, 83.68 |
| c | 16.92, 17.06 |
| d | 25.42, 24.42 |
| e | 34.87, 34.78 |

| | |
|--------|-----------------|
| J(a,P) | 151.3, 150.8 Hz |
| J(a,F) | 28.1, 28.7 Hz |
| J(b,P) | 8.1, 8.0 Hz |
| J(c,P) | 1.9 Hz |
| J(c,F) | 1.9 Hz |
| J(e,P) | 7.2, 5.5 Hz |
| J(e,F) | 1.4 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 μs (38°)
 Number of scans: 1737

Rep.time.: 1.64 s
 Line broad.: exp., 0.5 Hz
 Resolution: 0.91 Hz (TMS)
 Instrument: Varian VXR-300
 Filename: