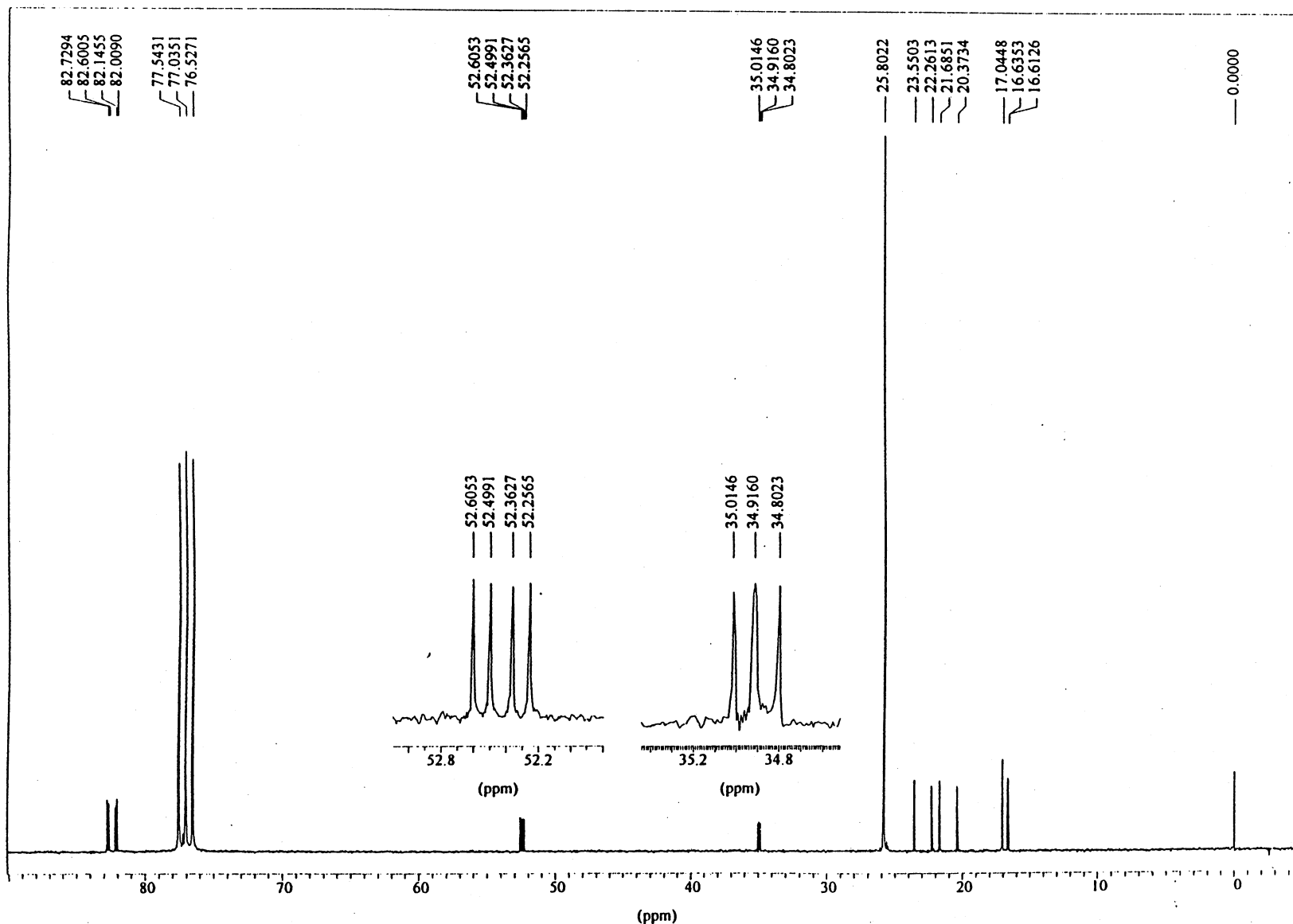


METHYL PINACOLYL METHYLTHIOPHOSPHONATE

14-3-8

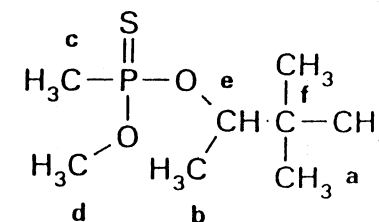
Instrument: Bruker AC-250
 Nucleus: $^{13}\text{C}\{^1\text{H}\}$
 Frequency: 62.89 Hz

Solvent: CDCl_3
 Concentration: 22 mg/ml
 Temperature: 23°C
 Reference: TMS (int.)
 Spectral width: 15 625 Hz
 Pulse width: 2.3 μs (45°)
 Repetition time: 2.1 s
 Data points
 FID/Spectrum: 32 K/32 K
 Scans: 30 000
 Line broadening: 0.5 Hz (exp.)
 Resolution: 0.8 Hz (TMS)



Assignments

- a: $\delta = 25.80$
- b: $\delta = 16.62(\text{d}); J = 1.4 \text{ Hz},$
 $\delta = 17.04$
- c: $\delta = 21.32(\text{d}); J = 118.7 \text{ Hz},$
 $\delta = 22.62(\text{d}); J = 117.3 \text{ Hz}$
- d: $\delta = 52.31(\text{d}); J = 6.7 \text{ Hz},$
 $\delta = 52.55(\text{d}); J = 6.7 \text{ Hz}$
- e: $\delta = 82.08(\text{d}); J = 8.6 \text{ Hz},$
 $\delta = 82.66(\text{d}); J = 8.1 \text{ Hz}$
- f: $\delta = 34.86(\text{d}); J = 7.2 \text{ Hz},$
 $\delta = 34.96(\text{d}); J = 6.2 \text{ Hz}$



OPCW Code: 14-3-8 (P1/1)