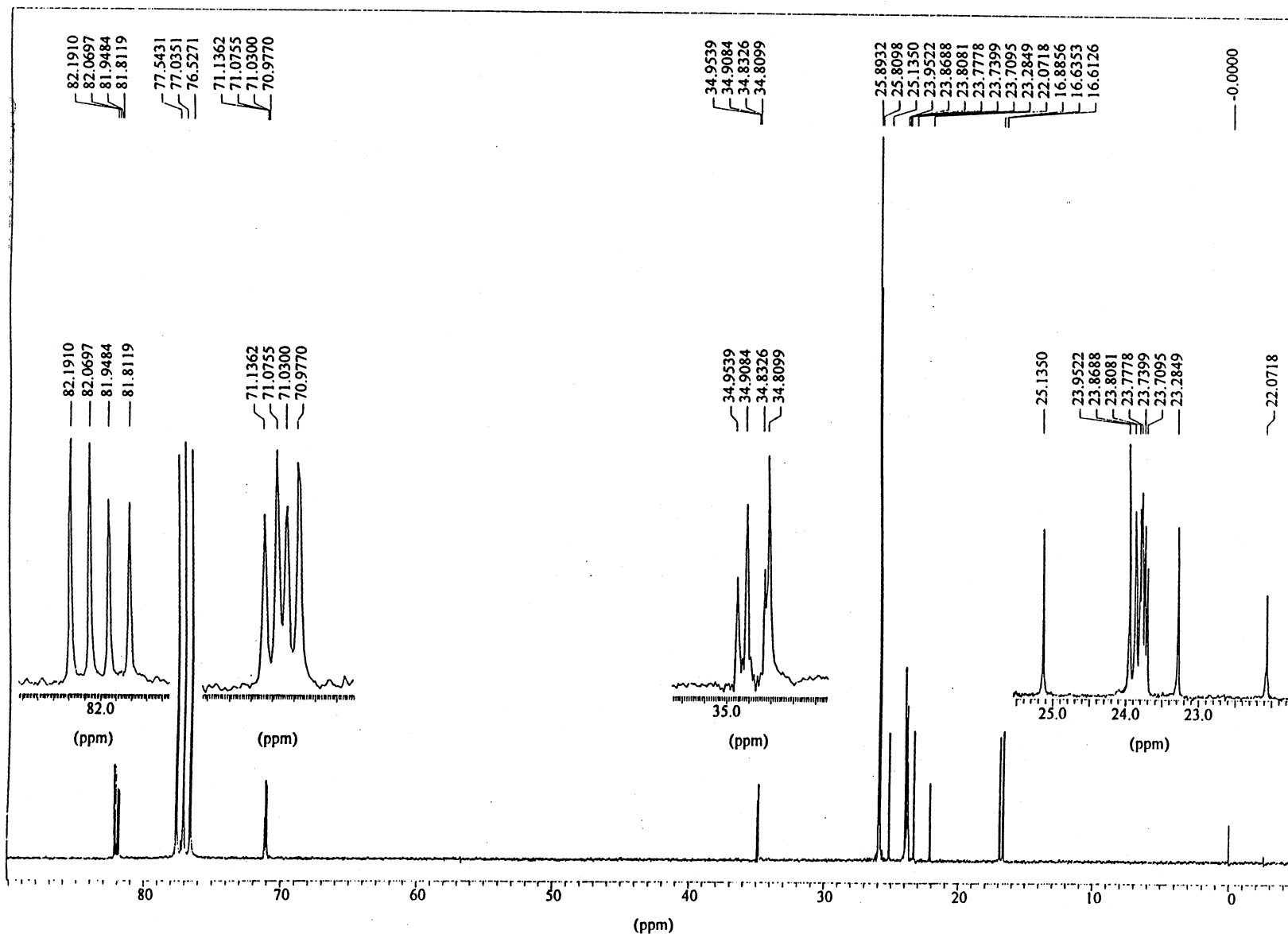


ISOPROPYL PINACOLYL METHYLTHIOPHOSPHONATE

14-3-38

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

Solvent: CDCl_3
Concentration: 21 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: $\delta = 25.81, 25.89$
- b: $\delta = 16.62(\text{d}); J = 1.4 \text{ Hz}$
 $\delta = 16.88$
- c: $\delta = 23.7 - 24.0$
- d: $\delta = 23.01(\text{d}); J = 118.3 \text{ Hz}$
 $\delta = 24.21(\text{d}); J = 116.4 \text{ Hz}$
- e: $\delta = 81.88(\text{d}); J = 8.6 \text{ Hz}$
 $\delta = 82.13(\text{d}); J = 7.6 \text{ Hz}$
- f: $\delta = 71.03(\text{d}); J = 6.2 \text{ Hz}$
 $\delta = 71.08(\text{d}); J = 6.7 \text{ Hz}$
- g: $\delta = 34.86(\text{d}); J = 6.2 \text{ Hz}$
 $\delta = 34.89(\text{d}); J = 7.6 \text{ Hz}$

