

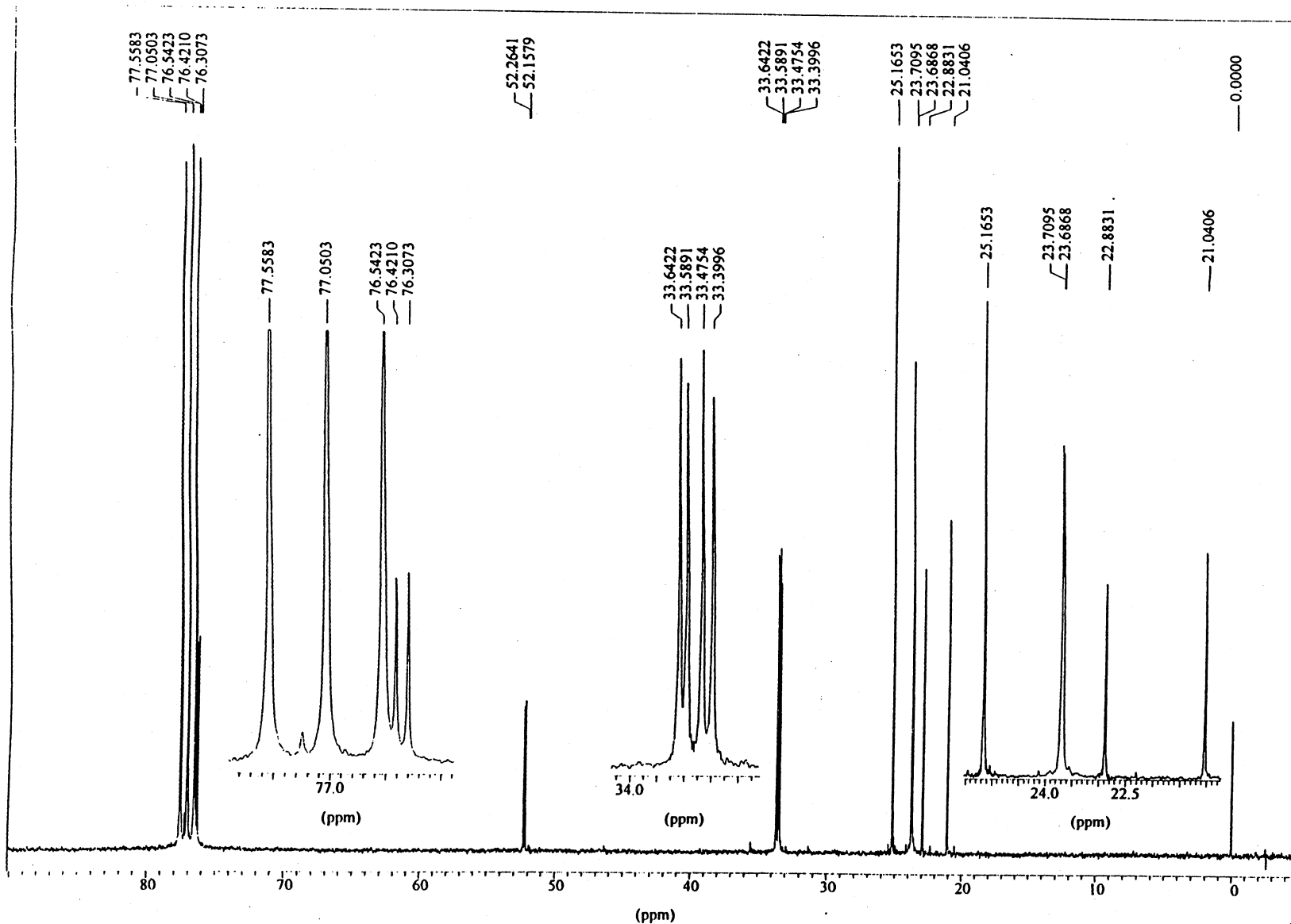
CYCLOHEXYL METHYL METHYLTHIOPHOSPHONATE

CAS RN 62507-64-6

14-3-32

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: 0.9 Hz (TMS)



Assignments

- a: $\delta = 25.17$
- b: $\delta = 23.69, 23.71$
- c: $\delta = 33.44(\text{d}); J = 4.8 \text{ Hz}$
 $\delta = 33.62(\text{d}); J = 3.3 \text{ Hz}$
- d: $\delta = 21.96(\text{d}); J = 115.9 \text{ Hz}$
- e: $\delta = 52.21(\text{d}); J = 6.7 \text{ Hz}$
- f: $\delta = 76.36(\text{d}); J = 7.2 \text{ Hz}$

