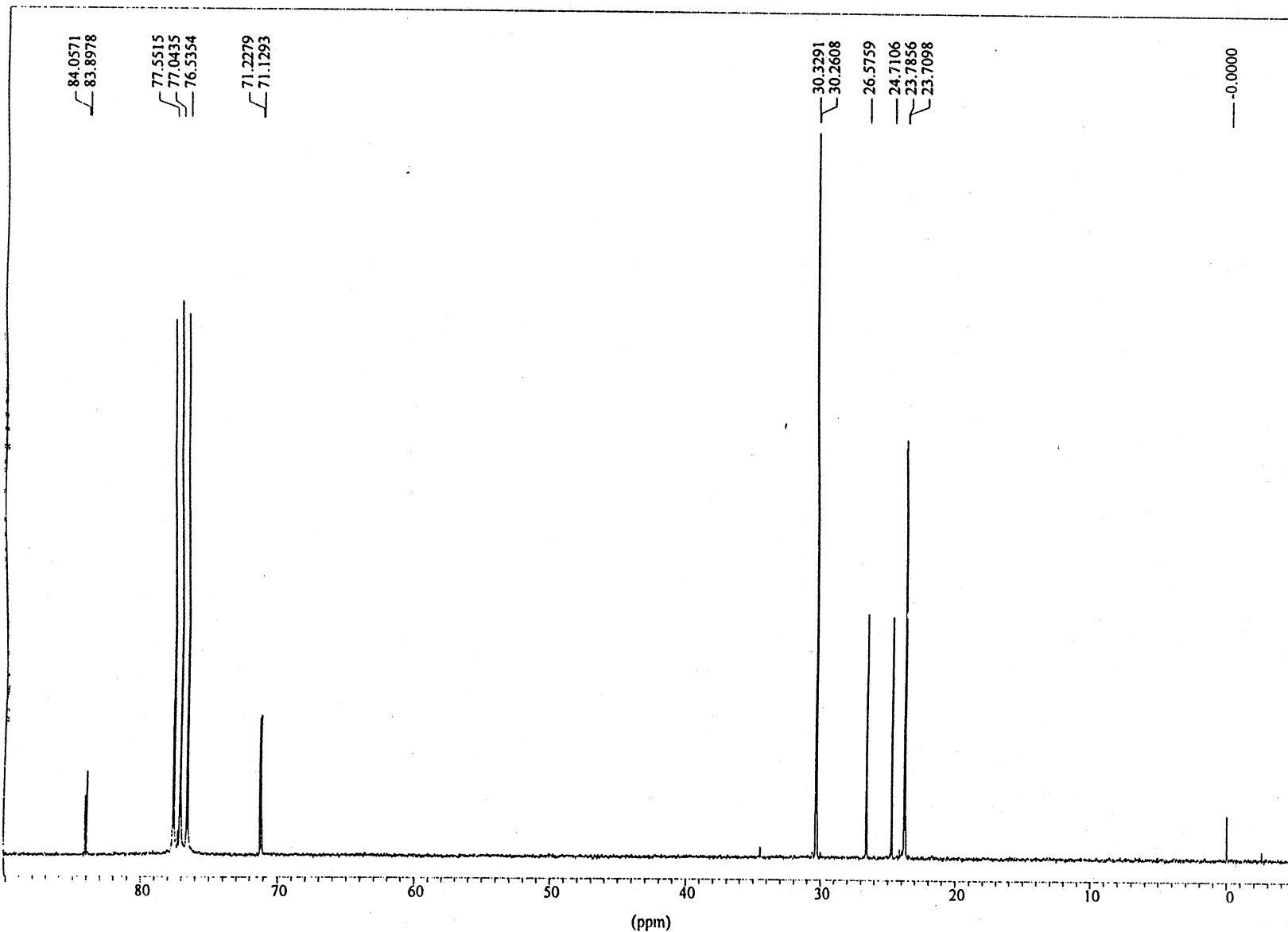


# TERT-BUTYL ISOPROPYL METHYLTHIOPHOSPHONATE

14-3-35

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

Solvent:  $\text{CDCl}_3$   
 Concentration: 21 mg/ml  
 Temperature: 23°C  
 Reference: TMS (int.)  
 Spectral width: 15 625 Hz  
 Pulse width: 2.3  $\mu\text{s}$  (45°)  
 Repetition time: 2.1 s  
 Data points  
 FID/Spectrum: 32 K/32 K  
 Scans: 30 000  
 Line broadening: 0.5 Hz (exp.)  
 Resolution: 1.0 Hz (TMS)



## Assignments

- a:  $\delta = 23.75(\text{d}); J = 4.8 \text{ Hz}$
- b:  $\delta = 30.29(\text{d}); J = 4.3 \text{ Hz}$
- c:  $\delta = 25.64(\text{d}); J = 117.3 \text{ Hz}$
- d:  $\delta = 71.18(\text{d}); J = 6.2 \text{ Hz}$
- e:  $\delta = 83.98(\text{d}); J = 10.0 \text{ Hz}$

