

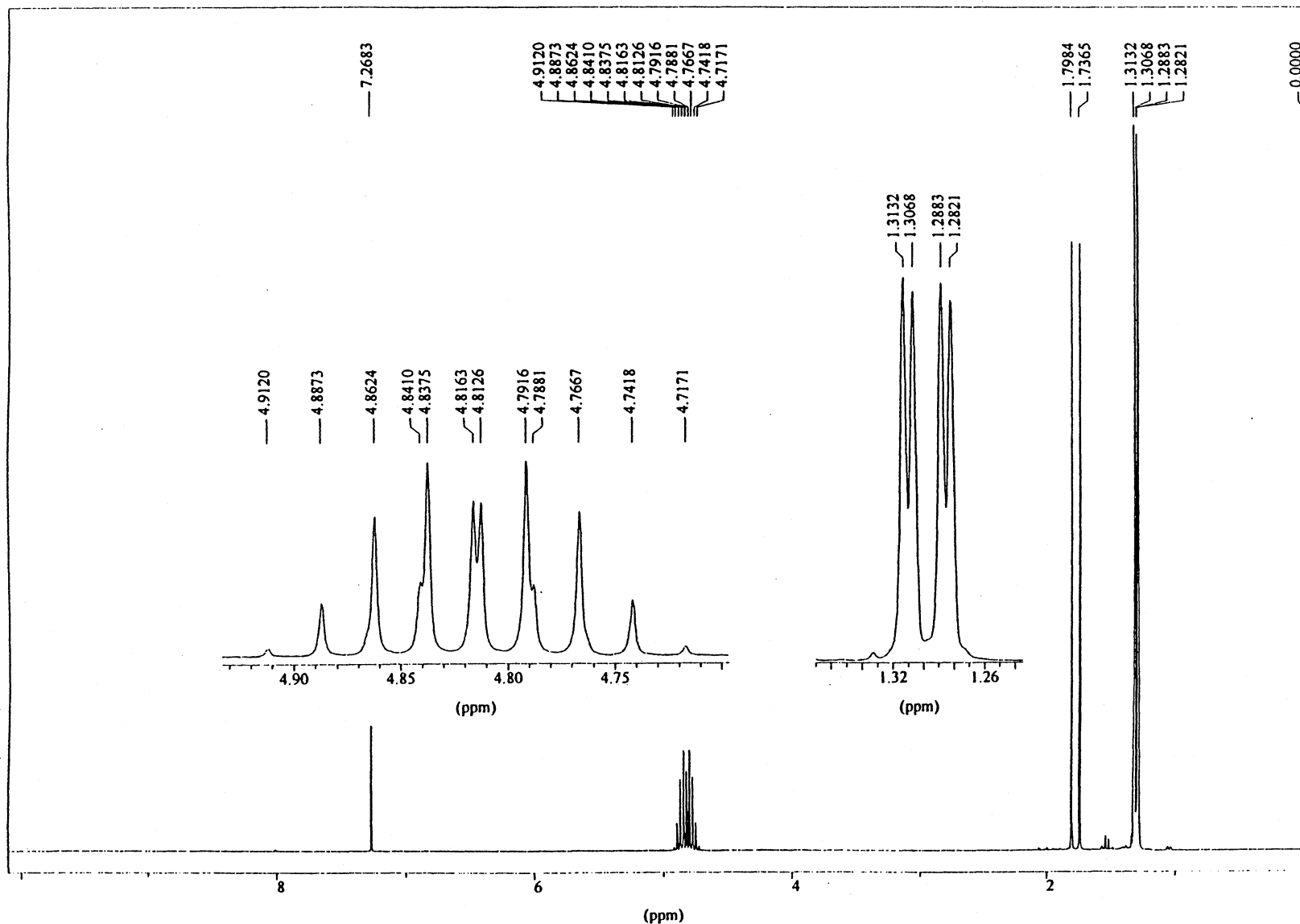
# DIISOPROPYL METHYLTHIOPHOSPHONATE

CAS RN 66295-45-2

14-3-4

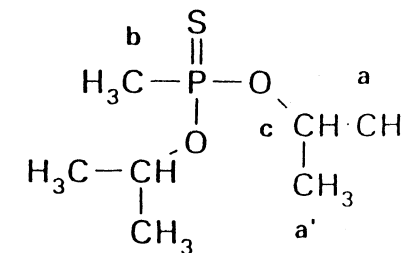
Instrument: Bruker AC-250  
Nucleus:  $^1\text{H}$   
Frequency: 250.13 Hz

Solvent:  $\text{CDCl}_3$   
Concentration: 19 mg/ml  
Temperature: 23°C  
Reference: TMS (int.)  
Spectral width: 2873.6 Hz  
Pulse width: 4.7  $\mu\text{s}$  (45°)  
Repetition time: 12.4 s  
Data points  
FID/Spectrum: 64 K/64 K  
Scans: 64  
Line broadening: 0.05 Hz (exp.)  
Resolution: 0.4 Hz (TMS)



## Assignments

- a, a':  $\delta = 1.29(\text{d}), 1.30(\text{d});$   
 $J_{a-d} = J_{a'-d} = 6.2 \text{ Hz}$   
b:  $\delta = 1.77(\text{d}); J_{b-p} = 15.5 \text{ Hz}$   
c:  $\delta = 4.81(\text{d, sept.});$   
 $J_{c-p} = 11.5 \text{ Hz},$   
 $J_{c-a} = 6.2 \text{ Hz}$



OPCW Code: 14-3-4 (p1/1)