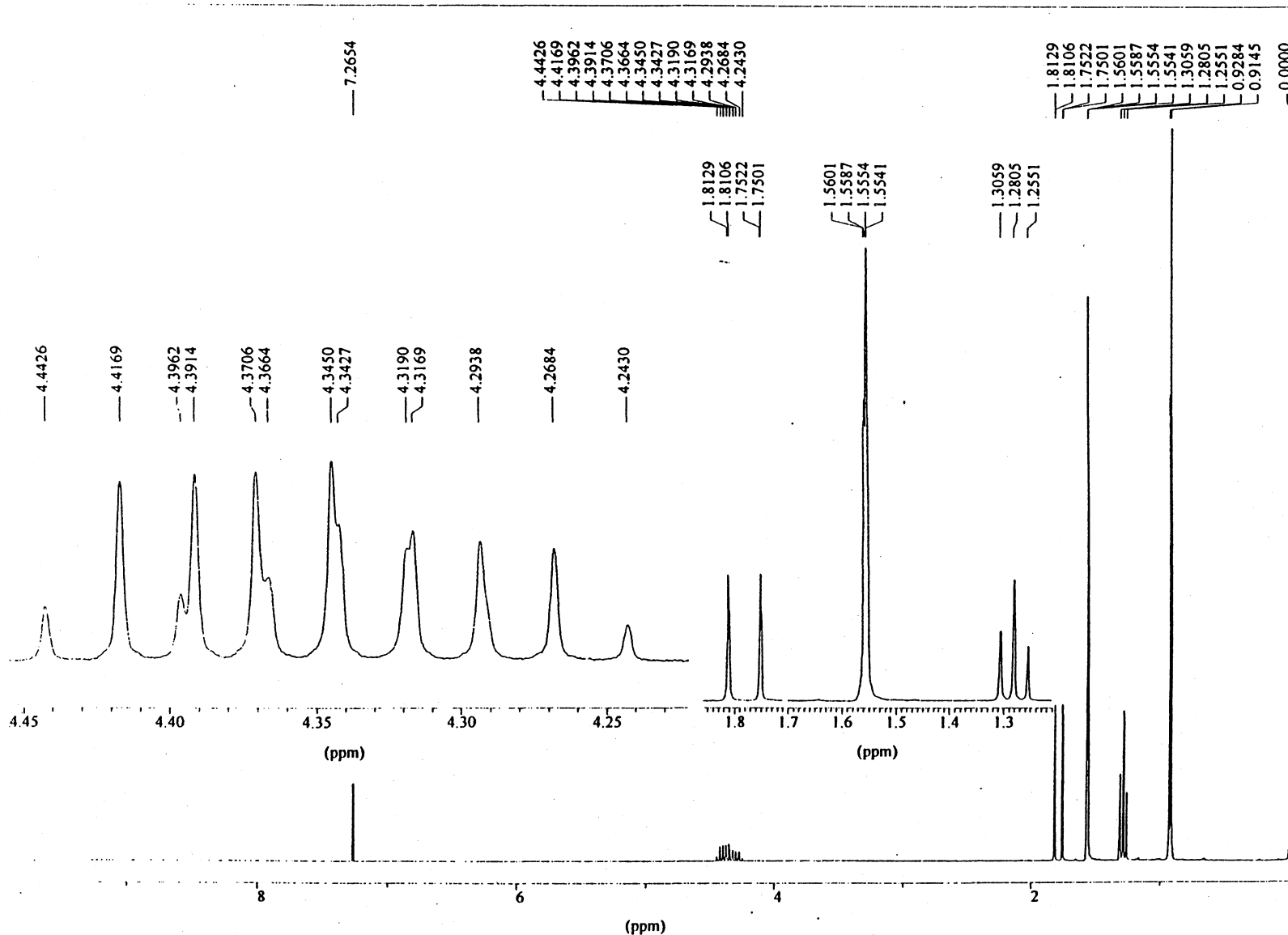


TERT-BUTYL PINACOLYL METHYLTHIOPHOSPHONATE

14-3-16

Instrument: Bruker AC-250
Nucleus: ¹H
Frequency: 250.13 Hz

Solvent: CDCl₃
Concentration: 16 mg/ml
Temperature: 23°C
Reference: TMS (int.)
Spectral width: 2873.6 Hz
Pulse width: 4.7 μs (45°)
Repetition time: 12.4 s
Data points
FID/Spectrum: 64 K/64 K
Scans: 64
Line broadening: 0.05 Hz (exp.)
Resolution: 0.5 Hz (TMS)



Assignments

- a: $\delta = 0.91, 0.93$
- b: $\delta = 1.27(d); J_{b-e} = 6.4 \text{ Hz}$
 $\delta = 1.29(d); J_{b-e} = 6.4 \text{ Hz}$
- c: $\delta = 1.55(d); J_{c-p} = 0.3 \text{ Hz}$
 $\delta = 1.56(d); J_{c-p} = 0.3 \text{ Hz}$
- d: $\delta = 1.780(d); J_{d-p} = 15.1 \text{ Hz}$
 $\delta = 1.782(d); J_{d-p} = 15.2 \text{ Hz}$
- e: $\delta = 4.31(dq); J_{e-p} = 12.2 \text{ Hz}$
 $J_{e-b} = 6.4 \text{ Hz}$
 $\delta = 4.38(dq); J_{e-p} = 11.6 \text{ Hz}$
 $J_{e-b} = 6.4 \text{ Hz}$

