

TERT-BUTYL ISOPROPYL METHYLTHIOPHOSPHONATE

14-3-34

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

Solvent: CDCl_3
Concentration: 21 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,a': $\delta = 1.29(\text{d}), 1.32(\text{d});$
 $J_{a-d} = J_{a'-d} = 6.2 \text{ Hz}$
b: $\delta = 1.55(\text{d}); J_{b-p} = 0.4 \text{ Hz}$
c: $\delta = 1.76(\text{d}); J_{c-p} = 15.2 \text{ Hz},$
d: $\delta = 4.85(\text{d, sept.});$
 $J_{d-p} = 11.5 \text{ Hz}, J_{d-a} = 6.2 \text{ Hz}$

