

ISOPROPYL METHYL METHYLTHIOPHOSPHONATE

CAS RN 38315-92-3 (S), 38315-91-2 (R)

14-3-2

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

Solvent: CDCl_3
Concentration: 21 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: 1.0 Hz (TMS)

Assignments

a, a': $\delta = 23.69(\text{d}); J = 5.2 \text{ Hz}$,
 $\delta = 23.80(\text{d}); J = 3.8 \text{ Hz}$
b: $\delta = 21.84(\text{d}); J = 115.9 \text{ Hz}$
c: $\delta = 52.27(\text{d}); J = 6.7 \text{ Hz}$
d: $\delta = 71.45(\text{d}); J = 6.7 \text{ Hz}$

