



BENZYL(1,2-DIMETHYLPROPYL)METHYLPHOSPHONATE (diastereo isomers)

CAS number : unknown
 MF : $C_{13}H_{21}O_3P$
 Solvent/Lock : $CDCl_3/CDCl_3$
 Nucleus : 1H
 Apparatus : Bruker AMX360
 Frequency : 360.13 MHz
 Temperature : 23°C
 Concentration : ≈ 40 mg/ml

Reference : TMS/internal
 Spectral width : 3255 Hz
 Pulse Width : 9.5 μs (90°)
 Repetition Time : 4 s
 Data points : FID = 16K, SPC = 16K
 Line Broadening : No
 Peak Width 1/2 height : TMS 0.6 Hz

a : $\delta = 1.45$ & 1.46 ppm ; $J_{P-a} = 17.6$ & 17.5 Hz
 b : $\delta = 5.01+5.07$ & $5.03+5.09$ ppm ;
 $J_{P-b} = 8.5$ & 7.8 Hz ; $J_{b-b} = 12.1$ & 11.9 Hz
 d, e, f : $\delta = 7.20-7.40$ ppm
 g : $\delta = 4.37$ & 4.34 ppm ; $J_{P-g} = 8.3$ Hz ; $J_{g-j} = 6.4$ Hz
 h : $\delta = 1.80$ & 1.78 ppm ; $J_{h-i} = 6.9$ Hz ; $J_{g-h} = 5.4$ Hz
 i : $\delta = 0.91 + 0.92$ & $0.90 + 0.89$ ppm
 j : $\delta = 1.23$ & 1.26 ppm

