



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

CAS number : unknown
 MF : $C_{14}H_{23}O_3P$
 Solvent/Lock : $CDCl_3/CDCl_3$
 Nucleus : 1H
 Apparatus : Bruker AMX360
 Frequency : 360.13 MHz
 Temperature : 23°C
 Concentration : ≈ 40 mg/ml

Reference :
 Spectral width :
 Pulse Width :
 Repetition Time :
 Data points
 Line Broadening :
 Peak Width 1/2 height :

TMS/internal
 2960 Hz
 9.5 μs (90°)
 4 s
 FID = 16K, SPC = 16K
 No
 TMS 0.6 Hz

a : $\delta = 1.73$ & 1.73 ppm ; $J_{P-a} = 18.3$ Hz ; $J_{a-b} = 7.6$ Hz
 b : $\delta = 1.14$ & 1.13 ppm ; $J_{P-b} = 20.1$ Hz
 c : $\delta = 5.06$ ppm ; J_{P-c} unmeasured
 e, f, g : $\delta = 7.25 - 7.40$ ppm ;
 h : $\delta = 4.39$ & 4.34 ppm ; $J_{P-h} = 8.0$ & 8.3 Hz ;
 i : $\delta = 1.82$ ppm ; $J_{h-i} = 5.2$ Hz ; $J_{i-j} = 6.9$ Hz
 j : $\delta = 0.92$ & 0.91 ppm + 0.90 & 0.89 ppm
 k : $\delta = 1.22$ & 1.26 ppm ; $J_{h-k} = 6.4$ Hz