



BENZYL(1,2,2-TRIMETHYLPROPYL) METHYLPHOSPHONATE (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 : TMS / internal
 Spectral width : 3300 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 0.8 Hz

a : $\delta = 1.45$ & 1.46 ppm ; $J_{P-a} = 17.6$ Hz
 b : $\delta = 5.08 + 5.01$ ppm ; $J_{P-b} = 8.1 + 8.3$ Hz ; $J_{b-b} = 11.9$ Hz
 & $5.12 + 5.08$ ppm ; $J_{P-b} = 8.0 + ?$ Hz ; $J_{b-b} = 11.9$ Hz
 d, e, f : $\delta = 7.27 - 7.42$ ppm
 g : $\delta = 4.28$ & 4.21 ppm ;
 $J_{P-g} = 8.2$ & 8.4 Hz ; $J_{g-j} = 6.4$ Hz
 i : $\delta = 0.92$ & 0.90 ppm
 j : $\delta = 1.25$ & 1.28 ppm