



BENZYL(1-METHYLETHYL) ETHYLPHOSPHONATE

CAS number : unknown
 MF : $C_{12}H_{19}O_3P$
 Solvent/Lock : $CDCl_3/CDCl_3$
 Nucleus : ^{13}C
 Apparatus : Bruker AMX360
 Frequency : 90.56 MHz
 Temperature : 23°C
 Concentration : ≈ 40 mg/ml

Reference : $CDCl_3$ internal
 Spectral width : 15150 Hz
 Pulse Width : 4 μs (90°)
 Repetition Time : 1 s
 Data points : FID = 32K, SPC = 32K
 Line Broadening : 0.5 Hz
 Peak Width 1/2 height : peak 127.7 ppm 0.9 Hz

a : $\delta = 19.56$ ppm ; $J_{P-a} = 142.9$ Hz
 b : $\delta = 6.61$ ppm ; $J_{P-b} = 6.9$ Hz
 c : $\delta = 66.71$ ppm ; $J_{P-c} = 6.5$ Hz
 d : $\delta = 136.76$ ppm ; $J_{P-d} = 6.1$ Hz
 e & f : $\delta = 128.53$ & 127.71 ppm ;
 g : $\delta = 128.22$ ppm ;
 h : $\delta = 70.12$ ppm ; $J_{P-h} = 6.7$ Hz
 i : $\delta = 24.03$ & 23.99 ppm ; $J_{P-i} = 4.6$ & 3.7 Hz

