



BENZYL CYCLOHEXYL ETHYLPHOSPHONATE

CAS number : unknown
 MF : $C_{15}H_{23}O_3P$
 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 : 2960 Hz
 Pulse Width : $9.5 \mu s$ (90°)
 Repetition Time : 4 s
 Data points : FID = 16K, SPC = 16K
 Line Broadening : No
 Peak Width 1/2 height : TMS 0.6 Hz

a : $\delta = 1.73$ ppm ; $J_{P-a} = 18.2$ Hz ; $J_{a-b} = 7.9$ Hz
 b : $\delta = 1.14$ ppm ; $J_{P-b} = 20.1$ Hz
 c : $\delta = 5.07$ & 5.03 ppm ; $J_{P-c} = 8.3$ & 8.0 Hz ;
 $J_{c-c} = 12.0$ Hz
 e, f, g : $\delta = 7.25-7.40$ ppm ;
 h : $\delta = 4.39$ ppm ; $J_{P-h} = 8.0$ Hz ;
 $J_{h-i ax} = 9.1$ Hz ; $J_{h-i eq} = 4.1$ Hz
 i, j, k : $\delta = 1.25-1.90$ ppm