



CYCLOPENTYL(2-METHOXYETHYL) METHYLPHOSPHONATE

CAS number : unknown
 MF : $C_9H_{19}O_4P$
 Solvent/Lock : $CDCl_3 / CDCl_3$
 Nucleus : 1H
 Apparatus : Bruker AMX 360
 Frequency : 360.13 MHz
 Temperature : 23°C
 Concentration : ≈ 40 mg/ml

Reference : TMS internal
 Spectral width : 2620 Hz
 Pulse Width : 9.5 μs (90°)
 Repetition Time : 4 s
 Data points : FID = 16K, SPC = 16K
 Line Broadning : No
 Peak Width 1/2 height : peak 3.40 ppm 1.0 Hz

a : $\delta = 1.49$ ppm ; $J_{P-a} = 17.7$ Hz
 b : $\delta = 4.19$ & 4.11 ppm ; $J_{P-b} = 8.2$ & 8.0 Hz ;
 $J_{b-b'} = 11.4$ Hz
 c : $\delta = 3.60$ ppm ; $J_{b-c} = 4.7$ Hz ; $J_{b'-c} = 4.5$ Hz
 d : $\delta = 3.40$ ppm ;
 e : $\delta = 4.93$ ppm ; $J_{P-e} = 7.5$ Hz ; $J_{e-f} = 4.2$ Hz
 f-g : $\delta = 1.54-1.88$ ppm ;

