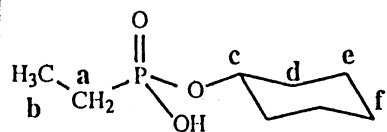


### CYCLOHEXYL ETHYLPHOSPHONATE



CAS number : unknown  
 MF :  $C_8H_{17}O_3P$   
 Solvent/Lock : DMSO  $d_6$ /DMSO  $d_6$   
 Nucleus :  $^{13}C$   
 Apparatus : Bruker AMX360  
 Frequency : 90.56 MHz  
 Temperature : 23°C  
 Concentration :  $\approx 40$  mg/ml

Reference : DMSO  $d_6$  internal  
 Spectral width : 9260 Hz  
 Pulse Width : 4  $\mu s$  (90°)  
 Repetition Time : 1 s  
 Data points : FID = 32K, SPC = 32K  
 Line Broadening : No  
 Peak Width 1/2 height : peak 24.76 ppm 0.9 Hz

a :  $\delta = 19.48$  ppm ;  $J_{P-a} = 140.3$  Hz  
 b :  $\delta = 6.82$  ppm ;  $J_{P-b} = 6.5$  Hz  
 c :  $\delta = 72.77$  ppm ;  $J_{P-c} = 6.4$  Hz  
 d :  $\delta = 33.39$  ppm ;  $J_{P-d} = 3.7$  Hz  
 e :  $\delta = 23.17$  ppm  
 f :  $\delta = 24.76$  ppm