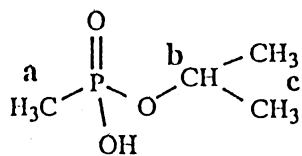


### (1-METHYLETHYL) METHYLPHOSPHONATE



CAS number : 1832-54-8  
 MF :  $C_4H_{11}O_3P$   
 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 Broadning : No  
 Peak Width 1/2 height : peak 11.76 ppm 1.0 Hz

a :  $\delta = 12.53$  ppm ;  $J_{P-a} = 140.4$  Hz  
 b :  $\delta = 68.25$  ppm ;  $J_{P-b} = 5.9$  Hz  
 c :  $\delta = 23.90$  ppm ;  $J_{P-c} = 4.2$  Hz