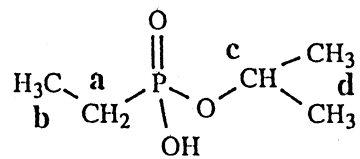


### (1-METHYLETHYL) ETHYLPHOSPHONIC ACID



CAS number : unknown  
 MF :  $C_5H_{13}O_3P$   
 Solvent/Lock :  $DMSO d_6/DMSO d_6$   
 Nucleus :  $^{31}P$   
 Apparatus : Bruker AMX360  
 Frequency : 145.78 MHz  
 Temperature : 23°C  
 Concentration :  $\approx 40$  mg/ml

Reference :  $H_3PO_4$  external  
 Spectral width : 9615 Hz  
 Pulse Width :  $4 \mu s (90^\circ)$   
 Repetition Time : 1 s  
 Data points : FID = 16K, SPC = 16K  
 Line Broadning : No  
 Peak Width 1/2 height : peak 30.56 ppm 2.3 Hz

$\delta = 30.56$  ppm ;  $J_{P-a} = 17.8$  Hz  
 $J_{P-b} = 19.4$  Hz  
 $J_{P-c} = 8.1$  Hz