



### BENZYL(1,2-DIMETHYLPROPYL)METHYLPHOSPHONATE (diastereo isomers)

CAS number : unknown  
 MF :  $C_9H_{13}O_3P$   
 Solvent/Lock :  $CDCl_3/CDCl_3$   
 Nucleus :  $^{31}P$   
 Apparatus : Bruker AMX360  
 Frequency : 145.78 MHz  
 Temperature : 23°C  
 Concentration : = 40 mg/ml

Reference :  $H_3PO_4$  external  
 Spectral width : 4310 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 : at 30.86ppm : 0.9 Hz

$\delta = 30.86$  &  $30.48$  ppm ;  $J_{P-a}$  # 17.5 Hz ;  
 $J_{P-b}$  #  $J_{P-g}$  # 8.4 Hz

