



### BENZYLETHYL ETHYLPHOSPHONATE

CAS number : 4537-61-5  
 MF :  $C_{11}H_{17}O_3P$   
 Solvent/Lock :  $CDCl_3/CDCl_3$   
 Nucleus :  $^1H$   
 Apparatus : Bruker AMX360  
 Frequency : 360.13 MHz  
 Temperature : 23°C  
 Concentration :  $\approx 40$  mg/ml

Reference :  
 Spectral width :  
 Pulse Width :  
 Repetition Time :  
 Data points  
 Line Broadening :  
 Peak Width 1/2 height :

TMS internal  
 2960 Hz  
 9.5  $\mu s$  ( $90^\circ$ )  
 4 s  
 FID = 16K, SPC = 16K  
 No  
 TMS 0.7 Hz

a :  $\delta = 1.73$  ppm ;  $J_{P-a} = 18.2$  Hz ;  $J_{a-b} = 7.8$  Hz  
 b :  $\delta = 1.13$  ppm ;  $J_{P-b} = 20.1$  Hz  
 c :  $\delta = 5.08$  &  $5.04$  ppm ;  $J_{P-c} = 8.5$  Hz ;  $J_{c-c} = 11.8$  Hz  
 e, f, g :  $\delta = 7.25 - 7.40$  ppm  
 h :  $\delta = 4.09$  &  $4.01$  ppm ;  $J_{P-h} = 8.2$  &  $7.8$  Hz ;  
 $J_{h-h} = 10.2$  Hz ;  $J_{h-i} = 7.1$  Hz  
 i :  $\delta = 1.27$  ppm

