



### (2-METHYLCYCLOHEXYL) PROPYLPHOSPHONOFUORIDATE (Dias.cis & trans)

CAS number :  
MF :  
Solvent/Lock :  
Nucleus :  
Apparatus :  
Frequency :  
Temperature :  
Concentration :

$C_{10}H_{20}FO_2P$   
 $CDCl_3/CDCl_3$   
 $^{31}P$   
Bruker DPX 360  
145.78 MHz  
23°C  
~ 40 mg/ml

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

$H_3PO_4$  external  
2040 Hz  
9  $\mu s$  (90°)  
1 s  
FID = 64K, SPC = 64K  
No  
peak 34.86 ppm 1.2 Hz

TRANS ISOMERS (83 %)  
 $\delta = 31.17$  ppm ;  $J_{F-P} = 1069.7$  Hz  
 $\delta = 30.36$  ppm ;  $J_{F-P} = 1068.5$  Hz  
CIS ISOMERS (14 %)  
 $\delta = 31.32$  ppm ;  $J_{F-P} = 1067.3$  Hz  
 $\delta = 30.43$  ppm ;  $J_{F-P} = 1068.4$  Hz

