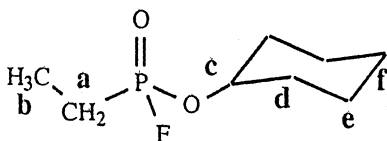


### CYCLOHEXYL ETHYLPHOSPHONOFUORIDATE



CAS number : 7284-84-6  
 MF : C<sub>8</sub>H<sub>16</sub>FO<sub>2</sub>P  
 Solvent/Lock : CDCl<sub>3</sub>/CDCl<sub>3</sub>  
 Nucleus : <sup>31</sup>P  
 Apparatus : Bruker AMX360  
 Frequency : 145.78 MHz  
 Temperature : 23°C  
 Concentration : ≈ 40 mg/ml

Reference : H<sub>3</sub>PO<sub>4</sub> external  
 Spectral width : 4810 Hz  
 Pulse Width : 3 μs (# 90°)  
 Repetition Time : 1 s  
 Data points : FID = 8K, SPC = 8K  
 Line Broadening : No  
 Peak Width 1/2 height : peak 28.62 ppm 2.3 Hz

δ = 32.46 ppm      J<sub>P-F</sub> = 1067.5 Hz  
 J<sub>P-a</sub> = 19.4 Hz  
 J<sub>P-b</sub> = 21.4 Hz  
 J<sub>P-c</sub> = 7.3 Hz