

**(1-METHYLETHYL) PROPYLPHOSPHONOFUORIDATE**

CAS number : 18358-37-7  
 MF : C<sub>6</sub>H<sub>14</sub>FO<sub>2</sub>P  
 Solvent/Lock : CDCl<sub>3</sub>/CDCl<sub>3</sub>  
 Nucleus : <sup>1</sup>H  
 Apparatus : Bruker AMX 360  
 Frequency : 360.13 MHz  
 Temperature : 23°C  
 Concentration : ≈ 40 mg/ml

Reference : TMS internal  
 Spectral width : 2960 Hz  
 Pulse Width : 9.5 μs (90°)  
 Repetition Time : 4 s  
 Data points : FID = 16K, SPC = 16K  
 Line Broadning : 0.3 Hz  
 Peak Width 1/2 height : TMS 1.2 Hz

a : δ = 1.85 ppm ; J<sub>P-a</sub> = 18.6 Hz ; J<sub>F-a</sub> = 4.0 Hz  
 b : δ = 1.70 ppm ; J<sub>P-b</sub> = 14.8 Hz ; J<sub>a-b</sub> = 7.2 Hz  
 c : δ = 1.06 ppm ; J<sub>P-c</sub> ≈ J<sub>F-c</sub> ≈ 1 Hz ; J<sub>b-c</sub> = 7.4 Hz  
 d : δ = 4.91 ppm ; J<sub>P-d</sub> = 7.5 Hz ; J<sub>d-e</sub> = 6.2 Hz  
 e : δ = 1.38 & 1.37 ppm

