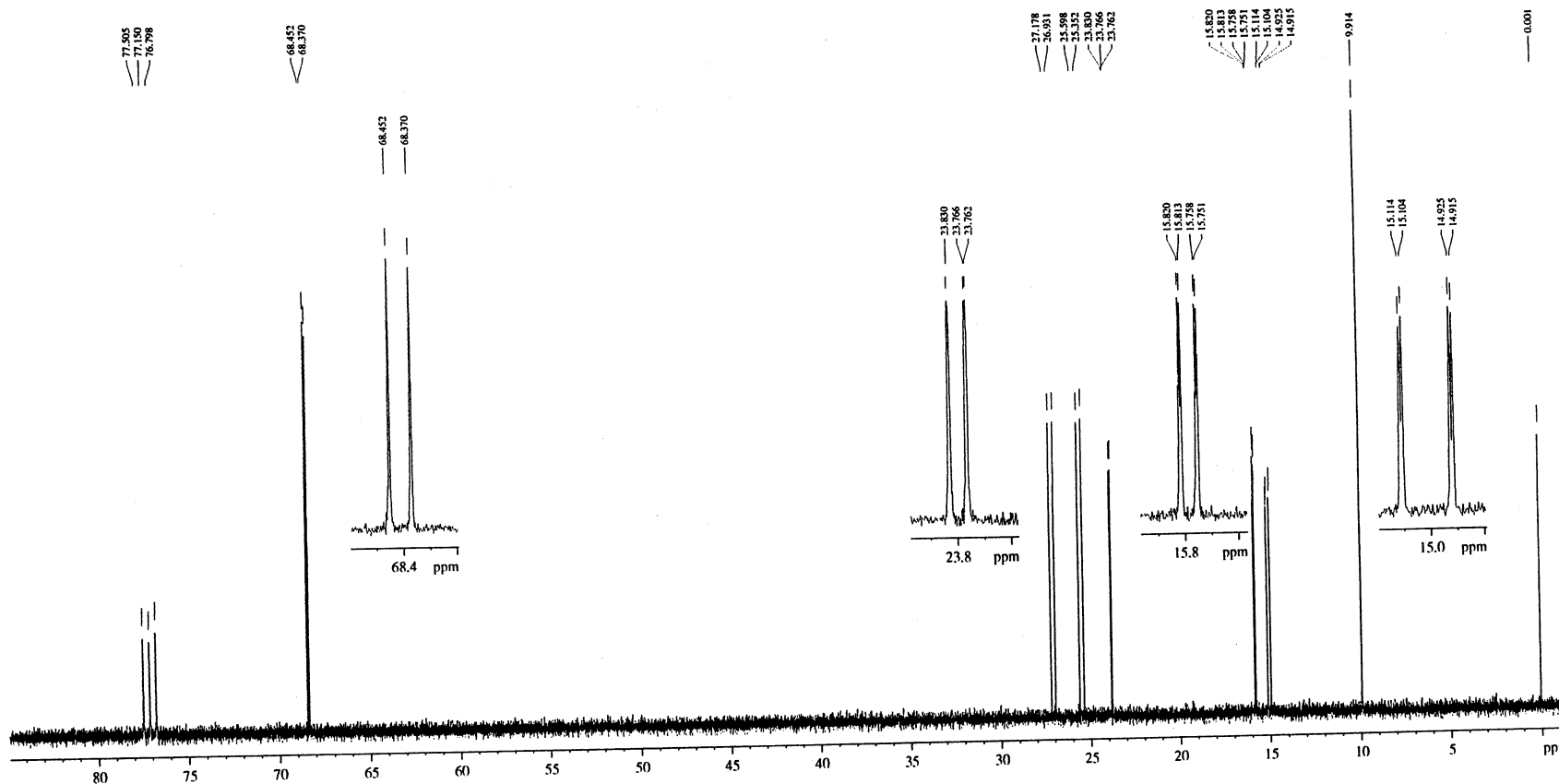


<sup>13</sup>C

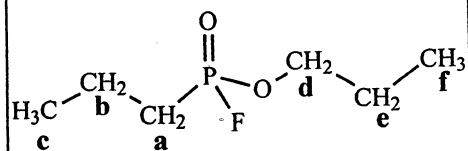
1-3-282



Apparatus : Bruker DPX 360  
 Frequency : 90.56 MHz  
 Temperature : 25°C  
 Pulse Width : 7.5 μs (90°)  
 Repetition Time : 2.6 s  
 Concentration : ≈ 20 mg/ml  
 Solvent/Lock : CDCl<sub>3</sub>/CDCl<sub>3</sub>  
 Reference : TMS internal  
 Spectral width : 8170 Hz  
 Data points : FID = 32 K  
                   SPC = 32 K  
 Line Broadening : No  
 Resolution : peak 9.91 ppm 0.8 Hz

**n-PROPYL n-PROPYLPHOSPHONOFUORIDATE**

MF : C<sub>6</sub>H<sub>14</sub>FO<sub>2</sub>P CAS :



**ASSIGNMENT**

- a : δ = 26.27 ppm ; J<sub>P-a</sub> = 143.0 Hz ; J<sub>F-a</sub> = 22.3 Hz
- b : δ = 15.78 ppm ; J<sub>P-b</sub> = 5.7 Hz ; J<sub>F-b</sub> = 0.6 Hz
- c : δ = 15.01 ppm ; J<sub>P-c</sub> = 17.0 Hz ; J<sub>F-c</sub> = 0.9 Hz
- d : δ = 68.41 ppm ; J<sub>P-d</sub> = 7.4 Hz
- e : δ = 23.79 ppm ; J<sub>P-e</sub> = 5.7 Hz ; J<sub>F-e</sub> = 0.4 Hz
- f : δ = 9.91 ppm

OPCW Code: 1-3-282 (P.1/1)