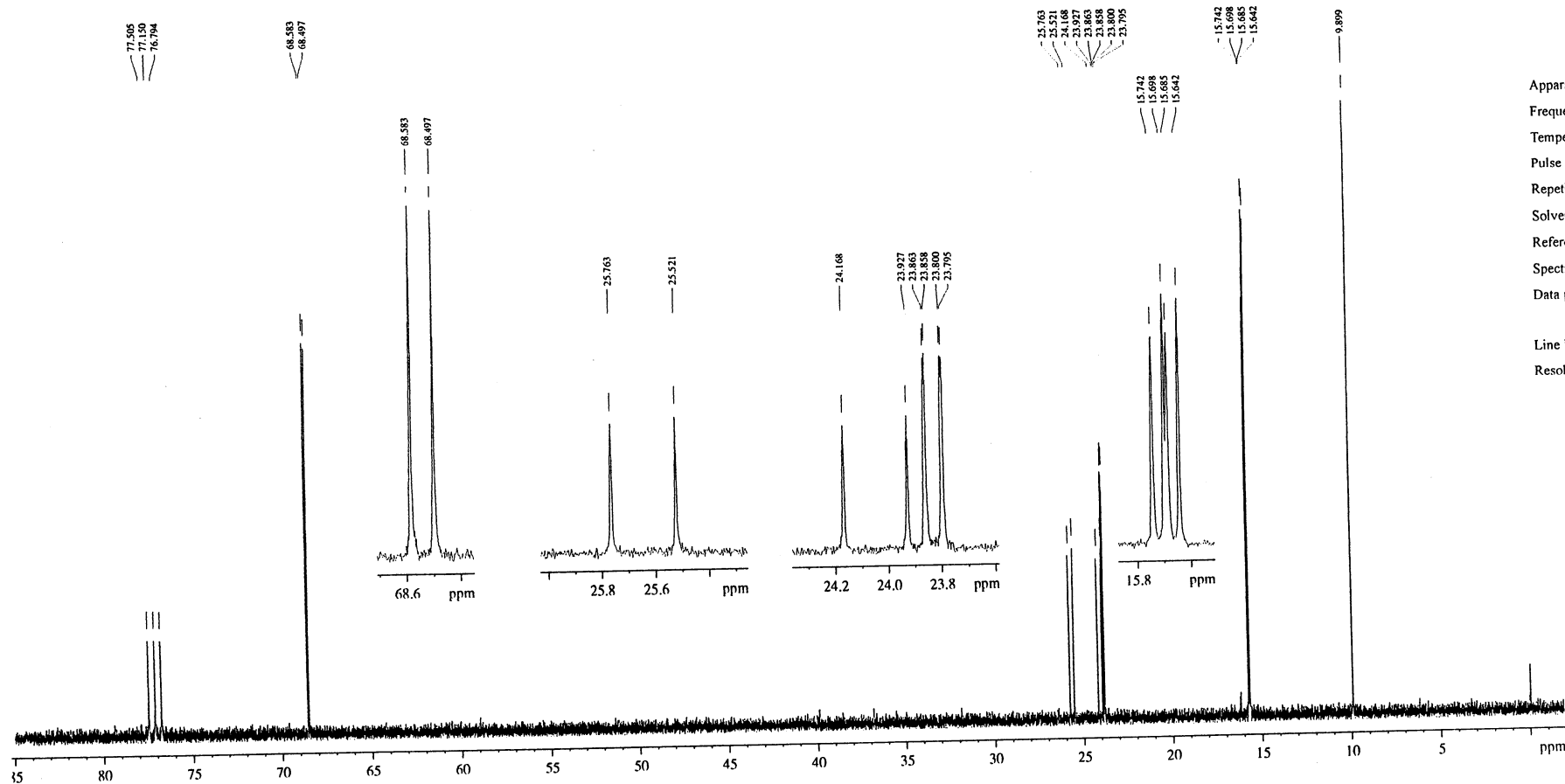


<sup>13</sup>C

1-3-270

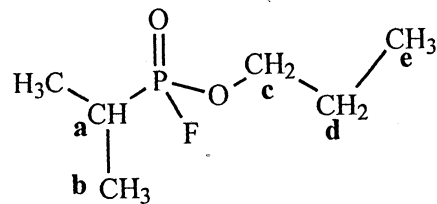


Apparatus : Bruker DPX 360  
 Frequency : 90.56 MHz  
 Temperature : 25°C  
 Pulse Width : 7.5 μs (90°)  
 Repetition Time : 2.6 s  
 Solvent/Lock : CDCl<sub>3</sub>/CDCl<sub>3</sub>  
 Reference : TMS internal  
 Spectral width : 8170 Hz  
 Data points : FID = 32 K  
                   SPC = 32 K  
 Line Broadning : 0.1 Hz  
 Resolution : peak 9.90 ppm 0.7 Hz

### n-PROPYL ISOPROPYLPHOSPHONOFUORIDATE

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

#### ASSIGNMENT



- a : δ = 24.85 ppm ; J<sub>P-a</sub> = 144.4 Hz ; J<sub>F-a</sub> = 21.8 Hz
- b : δ = 15.71 & 15.67 ppm ; J<sub>P-b</sub> = 5.2 & 5.1 Hz
- c : δ = 68.54 ppm ; J<sub>P-c</sub> = 7.7 Hz
- d : δ = 23.83 ppm ; J<sub>P-d</sub> = 5.6 Hz ; J<sub>F-d</sub> = 0.5 Hz
- e : δ = 9.90 ppm

OPCW Code: 1-3-270 (P.1/1)