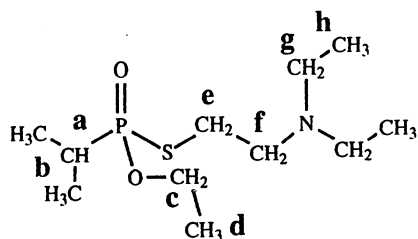


Apparatus : Bruker DPX 360  
 Frequency : 90.56 MHz  
 Temperature : 25°C  
 Pulse Width : 7.5 μs (90°)  
 Repetition Time : 2.6 s  
 Solvent/Lock : CDCl<sub>3</sub>/CDCl<sub>3</sub>  
 Reference : TMS internal  
 Spectral width : 10100 Hz  
 Data points : FID = 32 K  
 SPC = 32 K  
 Line Broadning : No  
 Resolution : peak 47.05 ppm 0.7 Hz

**ETHYL S-(2-DIETHYLAMINOETHYL) ISOPROPYLPHOSPHONOTHIOATE**

MF : C<sub>11</sub>H<sub>26</sub>NO<sub>2</sub>PS CAS :

**ASSIGNMENT**



a : δ = 32.58 ppm ; J<sub>P-a</sub> = 107.4 Hz  
 b : δ = 15.80 & 15.74 ppm ; J<sub>P-b</sub> = 5.7 Hz  
 c : δ = 61.05 ppm ; J<sub>P-c</sub> = 7.7 Hz  
 d : δ = 16.23 ppm ; J<sub>P-d</sub> = 6.6 Hz

e : δ = 28.04 ppm ; J<sub>P-e</sub> = 2.8 Hz  
 f : δ = 54.10 ppm ; J<sub>P-f</sub> = 3.7 Hz  
 g : δ = 47.05 ppm  
 h : δ = 12.02 ppm