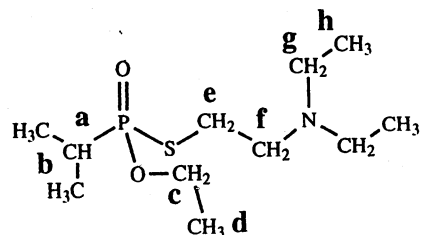


Apparatus : Bruker DPX 360  
 Frequency : 145.78 MHz  
 Temperature : 25°C  
 Pulse Width : 8 μs (90°)  
 Repetition Time : 3 s  
 Solvent/Lock : CDCl<sub>3</sub>/CDCl<sub>3</sub>  
 Reference : H<sub>3</sub>PO<sub>4</sub> external  
 Spectral width : 30000 Hz  
 Data points: FID = 64K  
 SPC = 64K  
 Line Broadning : No  
 Resolution : peak 63.55 ppm 0.9 Hz

## ETHYL S-(2-DIETHYLAMINOETHYL) ISOPROPYLPHOSPHONOTHIOATE

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

### ASSIGNMENT



$\delta = 63.55$  ppm ;

$J_{P-a} = 15.5$  Hz

$J_{P-b} = 20.3$  Hz

$J_{P-c} = 8.0$  &  $8.9$  Hz

$J_{P-e} = 11.3$  Hz