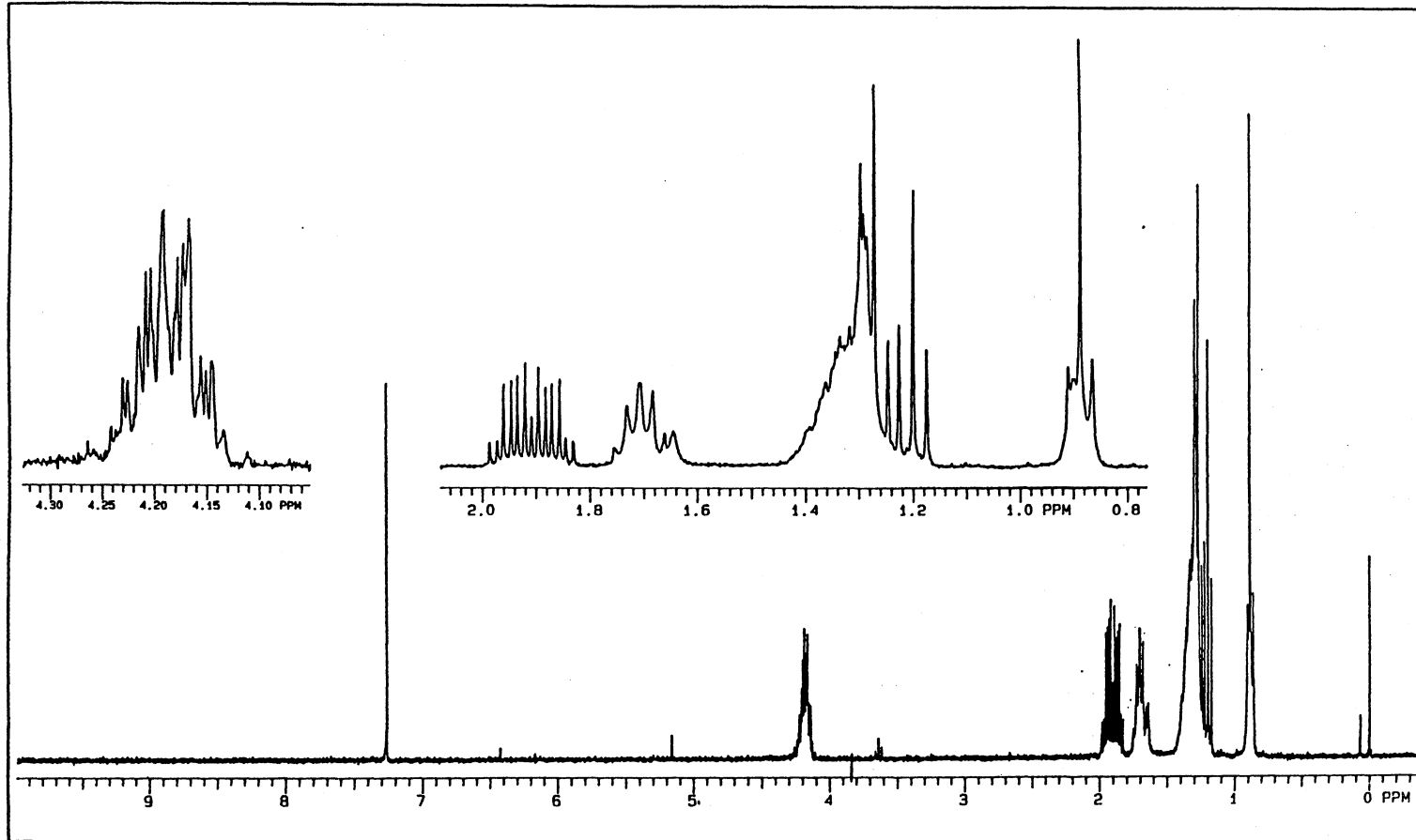
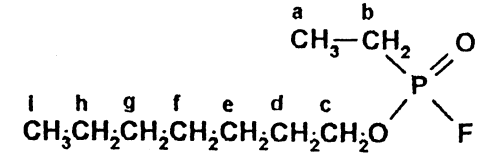


## n-Heptyl ethylphosphonofluoridate

[162085-85-0]

 $^1\text{H-NMR}$ nuc.       $\delta$  [ppm]

a	1.24
b	1.91
c	4.19
d	1.71
e, f, g, h	1.23-1.44
i	0.89

J(a, P)	21.5 Hz
J(b, P)	19.3 Hz
J(b, F)	4.2 Hz
J(a, b)	7.7 Hz
J(h, i)	7.1 Hz

Res. freq.    299.943 MHz  
 Solvent:      $\text{CDCl}_3$   
 Temperature: 24°C  
 Concentration: approx. 20mg/ml  
 Reference:    TMS (internal)

Spectral width: 4000 Hz  
 Data points (FID): 28992  
 Data points (spec.): 16K  
 Pulse width: 7  $\mu\text{s}$  (24°)  
 Number of scans: 51

Rep.time.: 3.62 s  
 Line broad.: not used  
 Resolution: 0.30 Hz (TMS)  
 Instrument: Varian VXR-300  
 Filename: PD1481/89