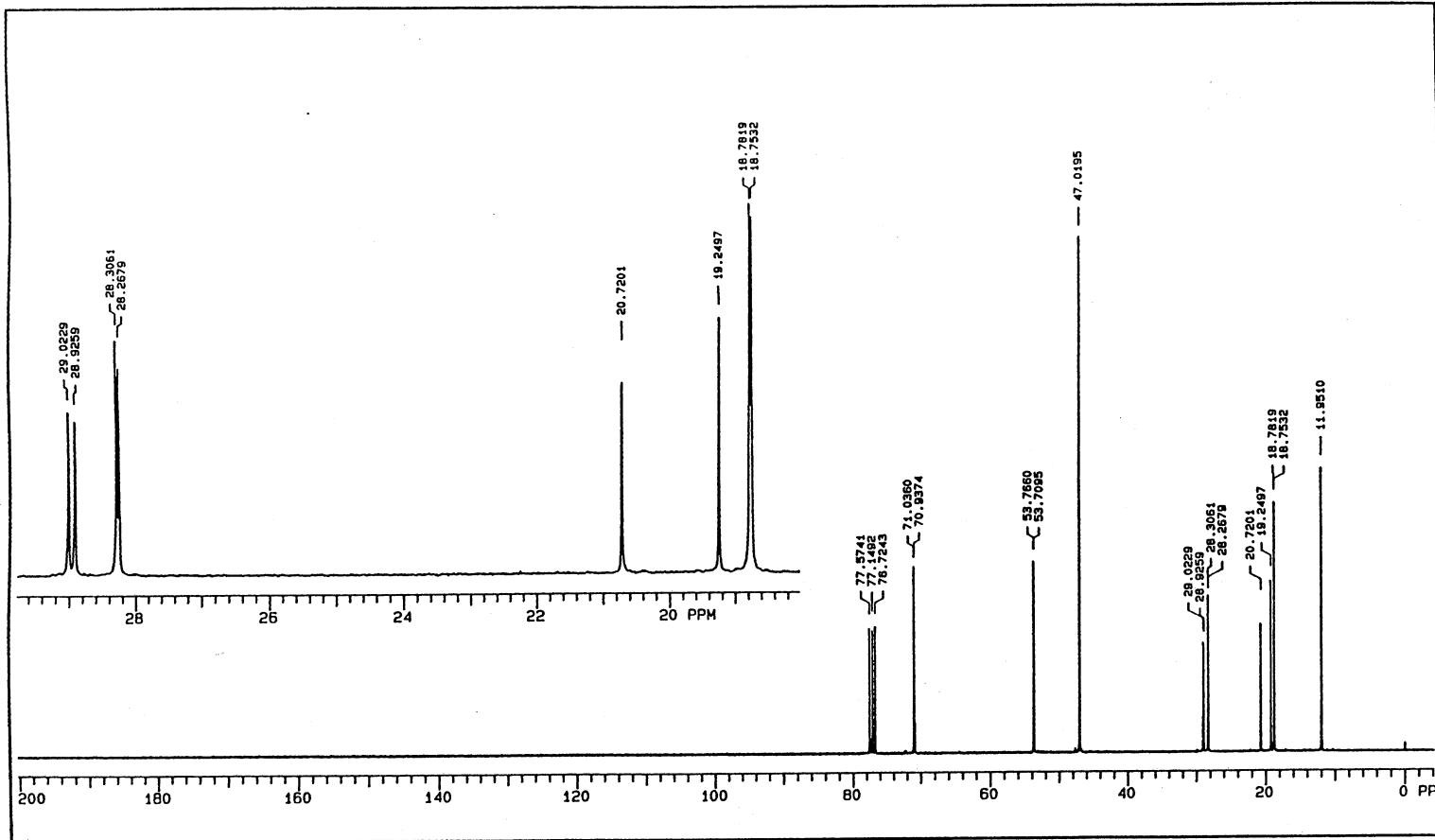
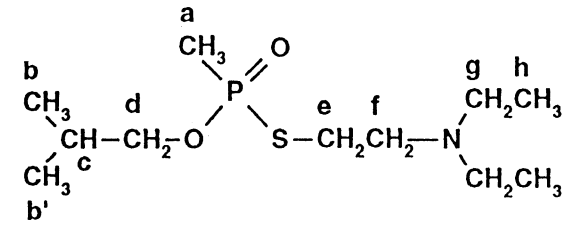


## Isobutyl S-2-(diethylamino)ethyl methylphosphonothiolate

[ ]

 $^{13}\text{C}\{\text{H}\}$ -NMR

nuc.	$\delta$ [ppm]
a	19.98
b, b'	18.78, 18.75
c	28.97
d	70.98
e	28.28
f	53.74
g	47.02
h	11.95
J(a, P)	110.7 Hz
J(c, P)	7.5 Hz
J(d, P)	7.4 Hz
J(e, P)	2.9 Hz
J(f, P)	4.2 Hz

Res. freq. 75.429 MHz  
 Solvent:  $\text{CDCl}_3$   
 Temperature:  $24^\circ\text{C}$   
 Concentration: 100 mg/ml  
 Reference: TMS (internal)

Spectral width: 17699 Hz  
 Data points (FID): 64K  
 Data points (spec.): 32K  
 Pulse width:  $5.6 \mu\text{s}$  ( $45^\circ$ )  
 Number of scans: 7086

Rep.time.: 1.85 s  
 Line broad.: exp., 0.5 Hz  
 Resolution: 0.73 Hz (TMS)  
 Instrument: Varian VXR-300  
 Sample Code: BI05396/2  
 Filename: BI0733/96