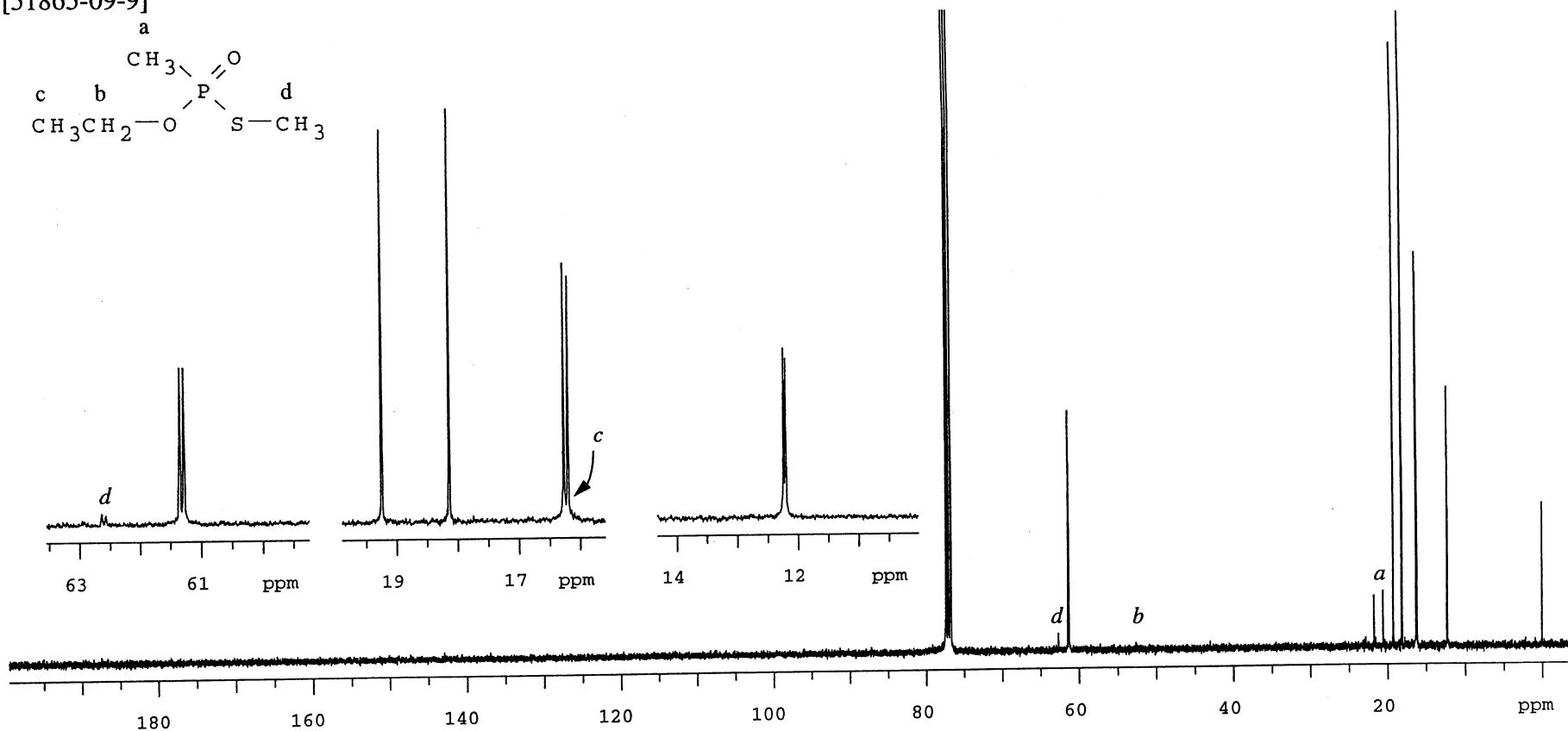
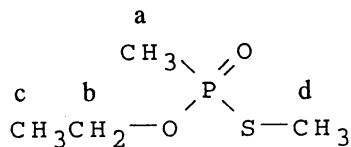


$^{13}\text{C}\{^1\text{H}\}$  NMR

### O-Ethyl S-methyl methylphosphonothiolate

[51865-09-9]



Solvent:  $\text{CDCl}_3$   
Concentration: 15  $\mu\text{l}$ / 0.8 ml  
Reference substance: TMS  
Sample temperature: 29.0  $^\circ\text{C}$   
Resonance frequency: 100.624 MHz  
Spectral width: 23809.5 Hz  
Data points (FID; spec.): 64 k; 64 k

Flip angle; Pulse width: 22  $^\circ$ ; 3.9  $\mu\text{s}$   
No. of scans; Rep. time: 10240; 3.7 s  
Weighting; Line broad.: exp.; 0.5 Hz  
Spectral resolution: 0.5 Hz (TMS)  
Instrument: Bruker AMX-400  
Source reference: 950711-2628  
Signature: *Markku Mesilaakso*  
Markku Mesilaakso

nuc.	$\delta$ [ppm]	J [Hz]
a	18.69	110.8 (P)
b	61.31	7.0 (P)
c	16.23	7.0 (P)
d	12.22	3.6 (P)

a, b, c and d from O-ethyl O-methyl methylphosphonothionate

5-3-107

OPCW Code:05-3-0107(p1/1)