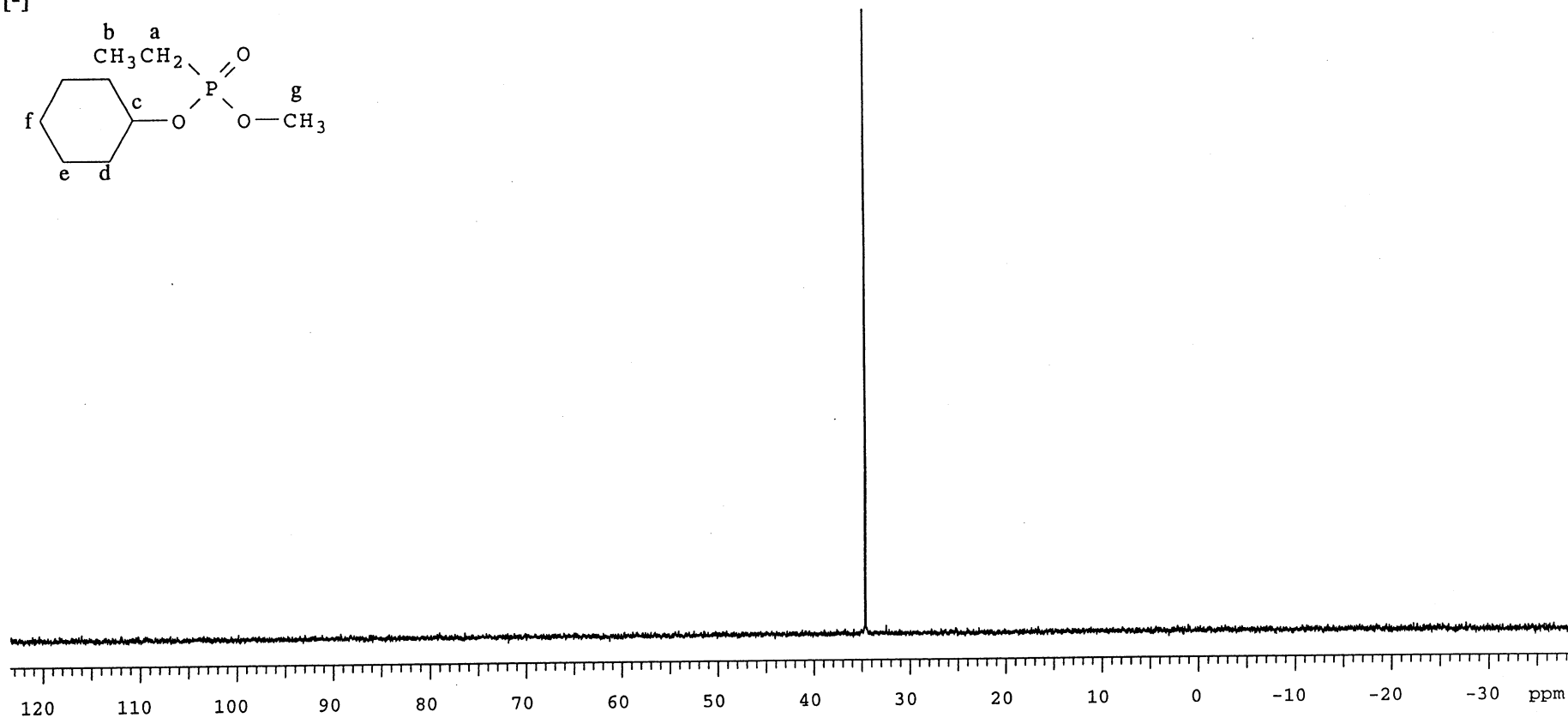
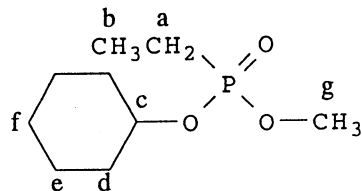


$^{31}\text{P}\{^1\text{H}\}$ NMR

O-Cyclohexyl O-methyl ethylphosphonate

[-]



Solvent: $(\text{CD}_3)_2\text{CO}$
Concentration: 5.0 μl / 0.6 ml
Reference substance: ext. $\text{P}(\text{OH})_4\text{ClO}_4$
Sample temperature: 25.0 $^\circ\text{C}$
Resonance frequency: 161.982 MHz
Spectral width: 26315.8 Hz
Data points (FID; spec.): 64 k; 64 k

Flip angle; Pulse width: 55 $^\circ$; 7.6 μs
No. of scans; Rep. time: 64; 5.5 s
Weighting; Line broad.: exp.; 1.0 Hz
Spectral resolution: 0.4 Hz (P)
Instrument: Bruker AMX-400
Source reference: 950126-2300
Signature: *Markku Mesilaakso*
Markku Mesilaakso

nuc. δ [ppm]
P 34.64

$\delta(\text{P}(\text{OH})_4\text{ClO}_4) = 0.66$ vs. $\delta(\text{H}_3\text{PO}_4) = 0.00$

5 - 3 - 1 2 1

OPCW Code:05-3-0121(p1/1)