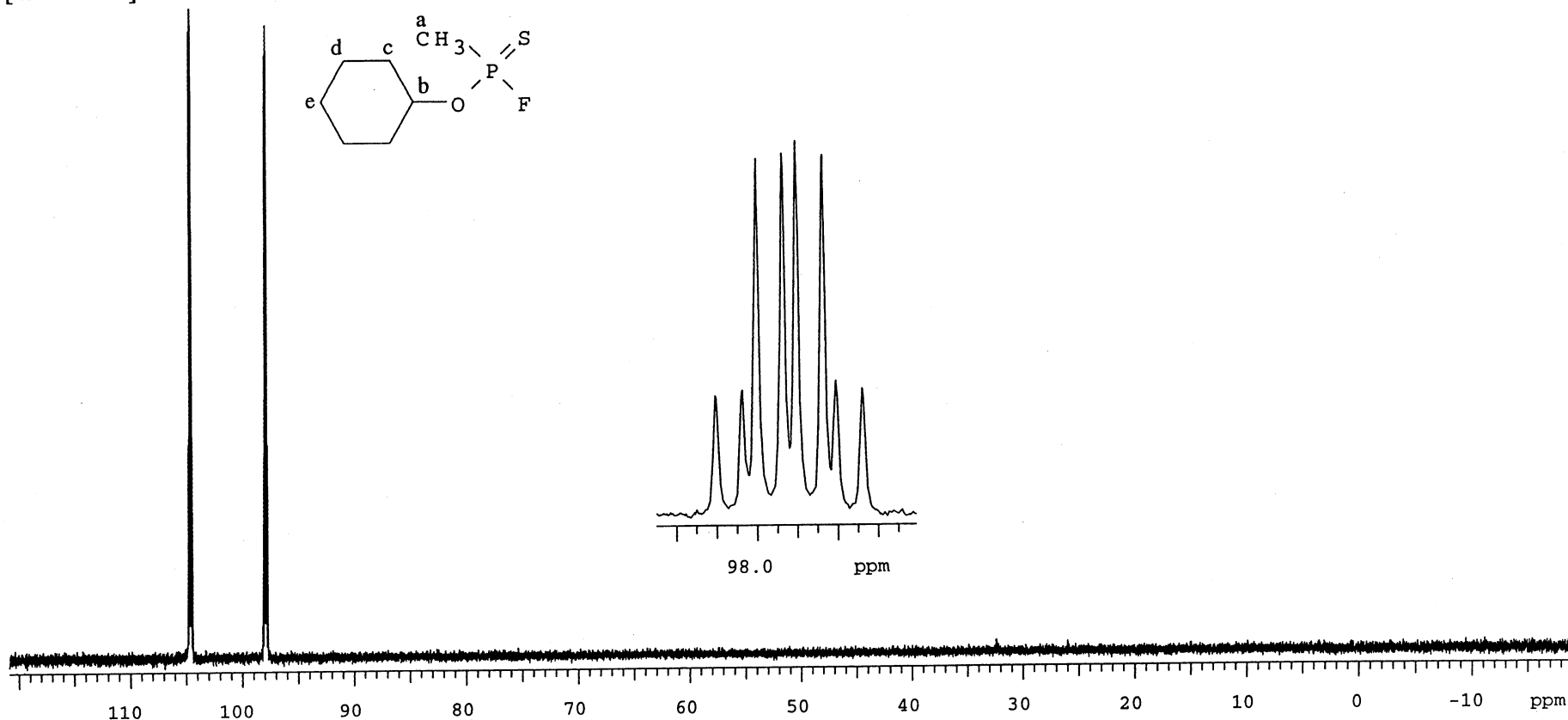
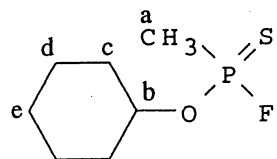


³¹P NMR

Cyclohexyl methylphosphonothionofluoridate
[4241-34-3]



Solvent: CDCl₃
Concentration: 20 µl/ 1.0 ml
Reference substance: ext. P(OH)₄ClO₄
Sample temperature: 30.0 °C
Resonance frequency: 161.980 MHz
Spectral width: 16666.7 Hz
Data points (FID; spec.): 64 k; 64 k

Flip angle; Pulse width: 45 °; 4.6 µs
No. of scans; Rep. time: 32; 18.0 s
Weighting; Line broad.: exp.; 1.0 Hz
Spectral resolution: 0.4 Hz (P)
Instrument: Bruker AMX-400
Source reference: 931022-947
Signature: *Markku Mesilaakso*
Markku Mesilaakso

nuc.	δ [ppm]	J [Hz]
P	101.28	1087.2 (F); 16.1 (H-a); 10.6 (H-b)

δ(P(OH)₄ClO₄) = 0.66 vs. δ(H₃PO₄) = 0.00

OPCW Code:05-3-0097(p1/1)

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