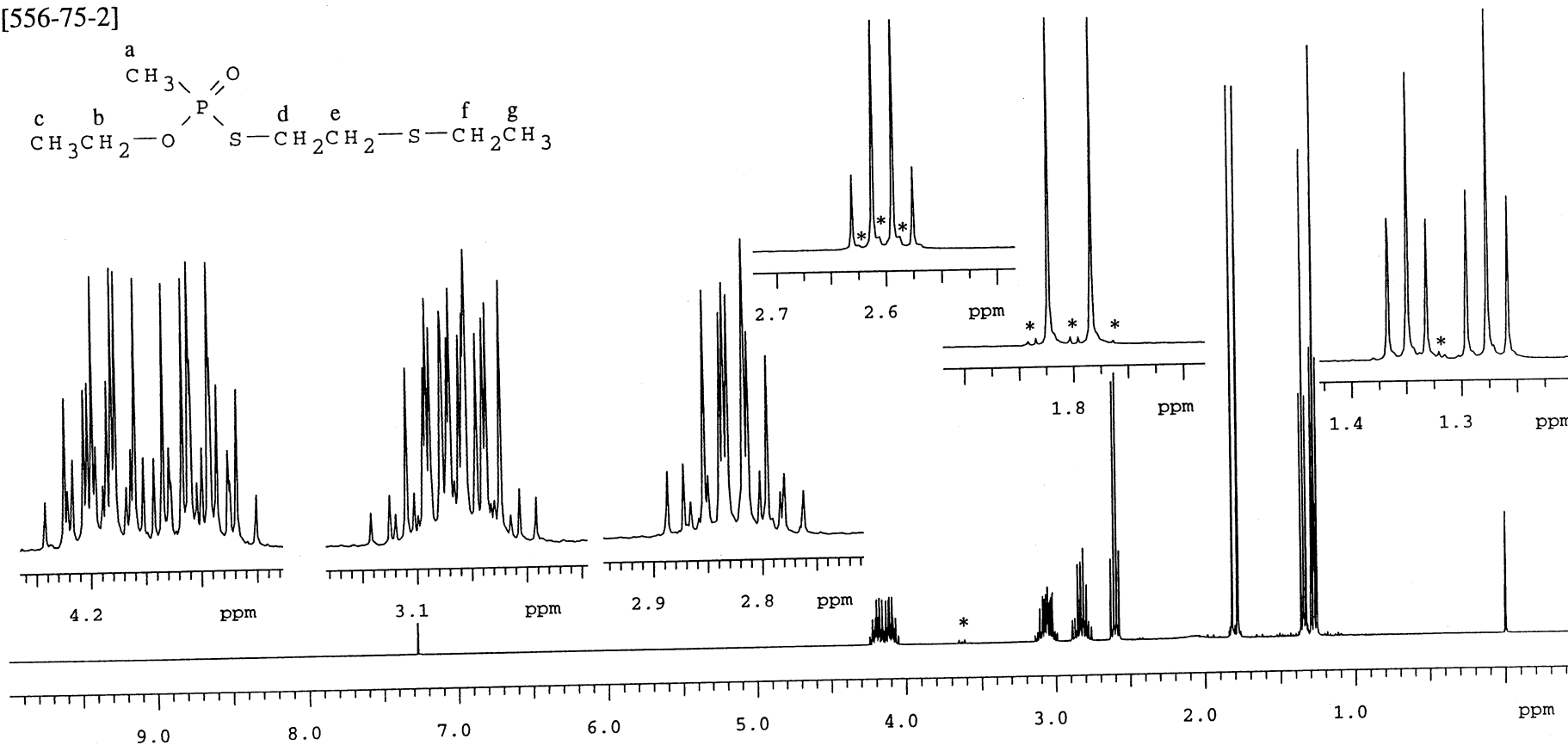
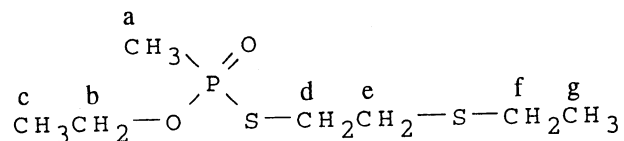


¹H NMR

O-Ethyl S-2-(ethylthio)ethyl methylphosphonothiolate

[556-75-2]



		Flip angle; Pulse width: 45 °; 6.2 μs		nuc.	δ [ppm]	J [Hz]	nuc.	δ [ppm]	J [Hz]
Solvent:	CDCl ₃	No. of scans; Rep. time: 32; 23.0 s		a	1.803	15.7 (P)	e	2.806	-13.5 (e')
Concentration:	22.8 mg/ 1.0 ml	Weighting; Line broad.: exp.; 0.1 Hz		b	4.103	9.4 (P); -10.1 (b'); 7.1 (c)	e'	2.846	
Reference substance:	TMS	Spectral resolution: 0.4 Hz (TMS)		b'	4.191	8.4 (P); 7.1 (c)	f	2.603	7.4 (g)
Sample temperature:	29.0 °C	Instrument: Bruker AMX-400		c	1.349		g	1.277	
Resonance frequency:	400.139 MHz	Source reference: 930709-752		d	3.048	13.0 (P); -13.1 (d'); 9.7 (e); 5.7 (e')			
Spectral width:	4672.9 Hz	Signature: <i>Markku Mesilaakso</i>		d'	3.082	13.3 (P); 6.0 (e); 9.8 (e')			
Data points (FID; spec.):	64 k; 64 k	Markku Mesilaakso							Iterative analysis

OPCW Code:05-3-0139(p1/1)