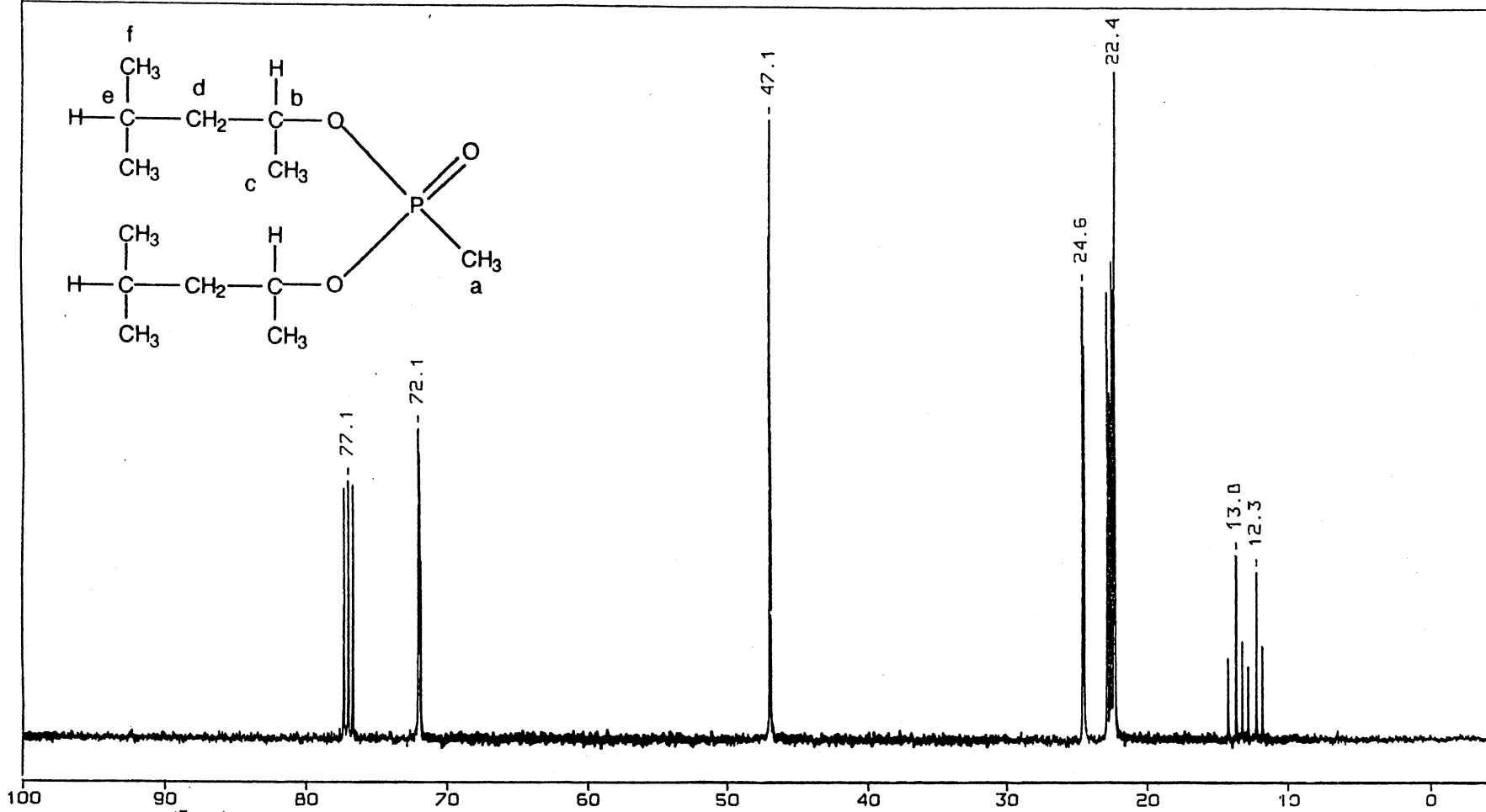


BIS(1,3-DIMETHYLBUTYL) METHYLPHOSPHONATE  
 $C_{13}H_{29}O_3P$

1Y1&1Y1&OPD&1&OY1&1Y1&1

$^{13}C$  ( $^1H$ ) NMR



Experiment:	$^{13}C$ ( $^1H$ ) NMR	Obs.frequency:	100.6 MHz	shifts (ppm)	couplings (Hz)
Solvent:	CDCl <sub>3</sub>	Spectral width:	10500 Hz	a 13.6 13.1	cP 145.2 145.0 146.5
Concentration:	67mg/0.7ml	Data points (FID):	20992	. 12.6	
Reference:	CDCl <sub>3</sub>	Pulse angle:	7 $\mu$ s	b 72.1	
Temperature:	30 °C	Number of pulses:	384	c 22.6 22.4	
Instrument:	Vartan VXR400S	Repetition time:	2 s	d 47	
Date:	Mar 17 89	Line broadening:	1 s	e 24.6	
Spec.nr (NL):	ccc17b	Data points (spec):	16 k		

OPCW Code:6-3-144 (P1/1)