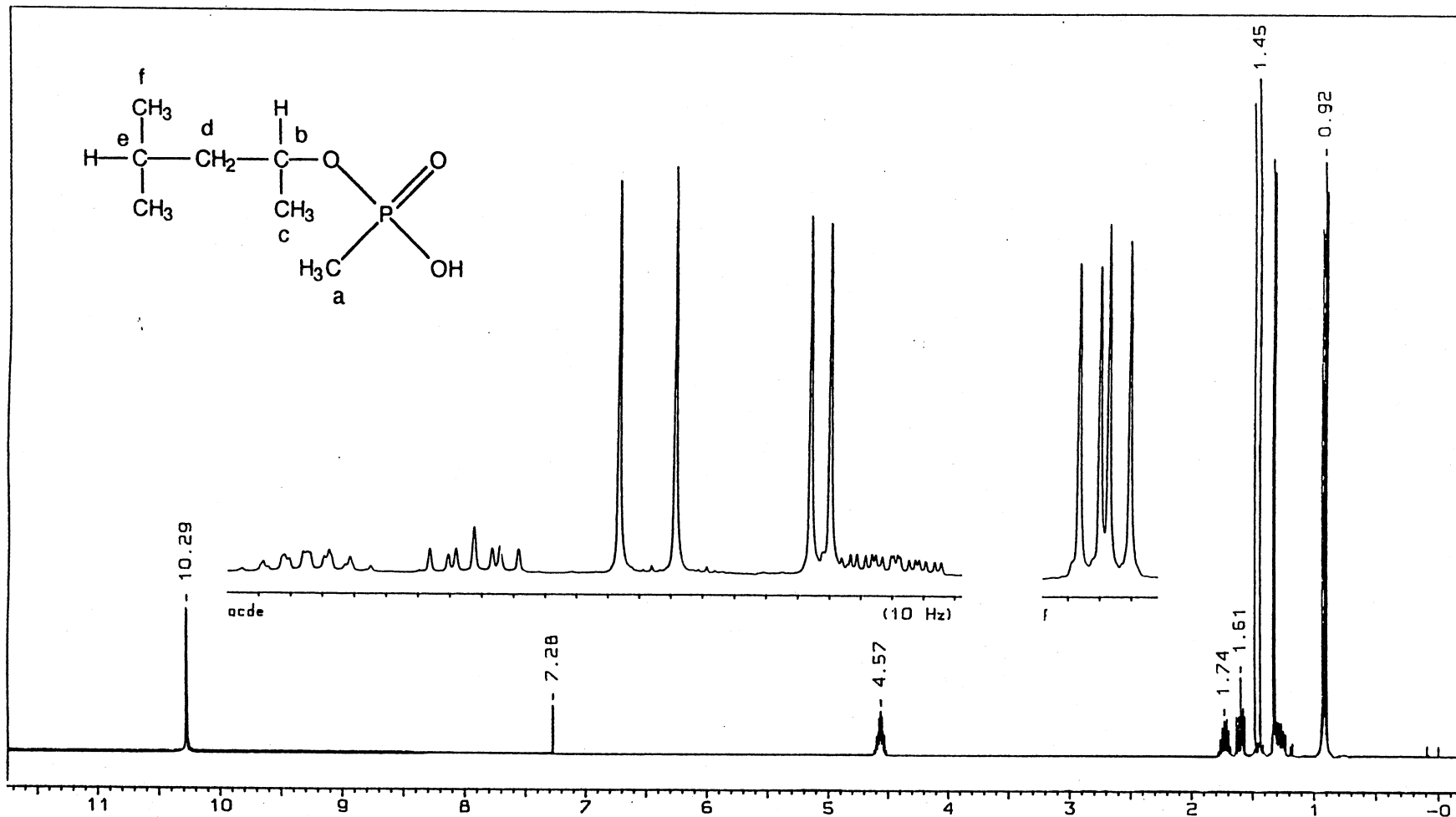


1,3-DIMETHYLBUTYL HYDROGEN METHYLPHOSPHONATE / HYDROXYSOMAN-X

 $C_7H_{17}O_3P$

OPD&1&OY1&1Y1&1

 1H NMR

Experiment:	1H NMR	Obs. frequency:	400.0 MHz	shifts (ppm)		couplings (Hz)	
Solvent:	$CDCl_3$	Spectral width:	6500 Hz	a	1.47	aP	17.9
Concentration:	67mg/0.7ml	Data points (FID):	51968	b	4.57	bc	6.2
Reference:	TMS	Pulse angle:	13 μ s 43°	c	1.33	bd	8.3
Temperature:	30 °C	Number of pulses:	16	d	1.60 1.28	dd	13.8
Instrument:	Varian VXR400S	Repetition time:	7 s	e	1.74	ef	6.6 6.8
Date:	Mar 7 89			f	0.93 0.91		
Spec.nr (NL):	hcb28a	Data points (spec):	32 k	OH	10.29		