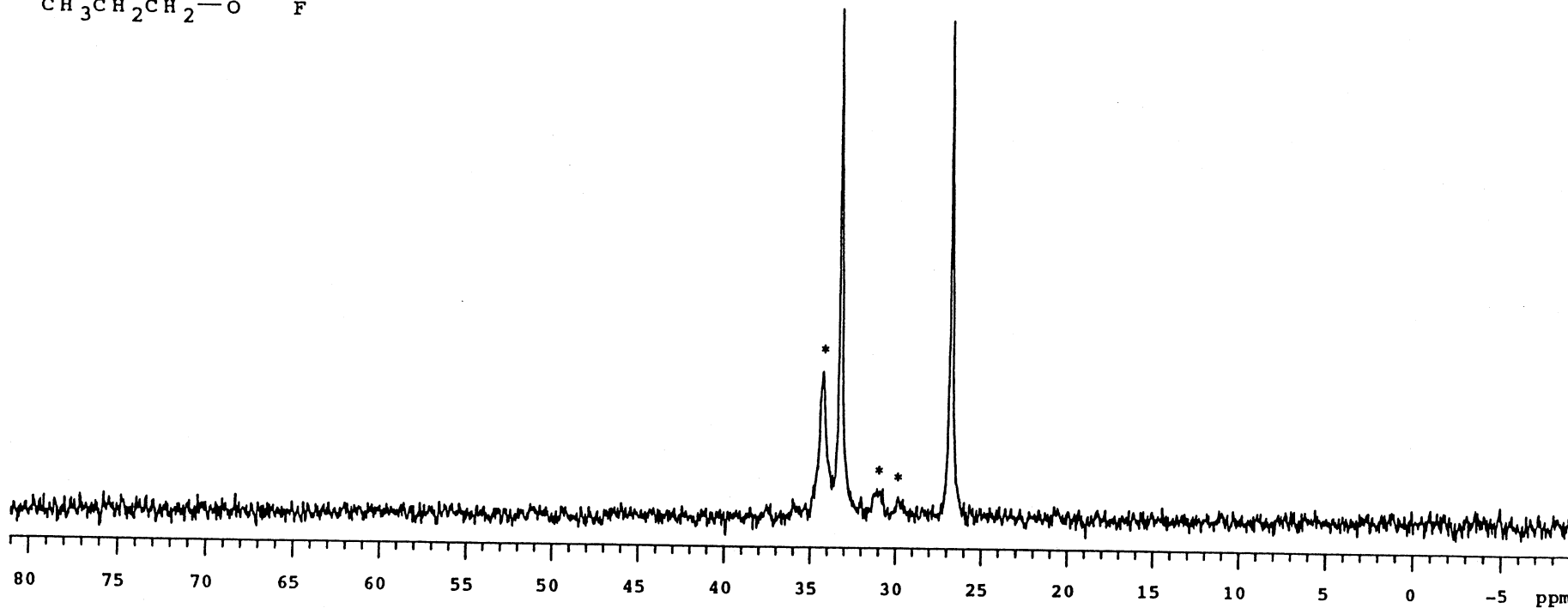
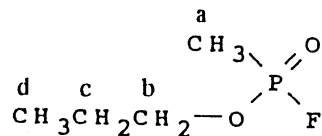


$^{31}\text{P}\{^1\text{H}\}$  NMR

## Propyl methylphosphonofluoridate

763-14-4



Solvent:	$\text{CDCl}_3$	Flip angle; Pulse width:	$45^\circ$ ; $4.6 \mu\text{s}$	nuc.	$\delta$ [ppm]	J [Hz]
Concentration:	19.9 mg/1.0 ml	No. of scans; Rep. time:	64; 18.2 s	P	29.99	1047.4 (F)
Reference substance:	ext. $\text{P}(\text{OH})_4\text{ClO}_4$	Weighting; Line broad.:	exp.; 5.0 Hz			
Sample temperature:	$29.5^\circ\text{C}$	Spectral resolution:	23.5 Hz (P)			
Resonance frequency:	161.984 MHz	Instrument:	Bruker AMX-400			
Spectral width:	14705.9 Hz	Source reference:	930706-737			
Data points (FID; spec.):	64 k; 64 k					

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