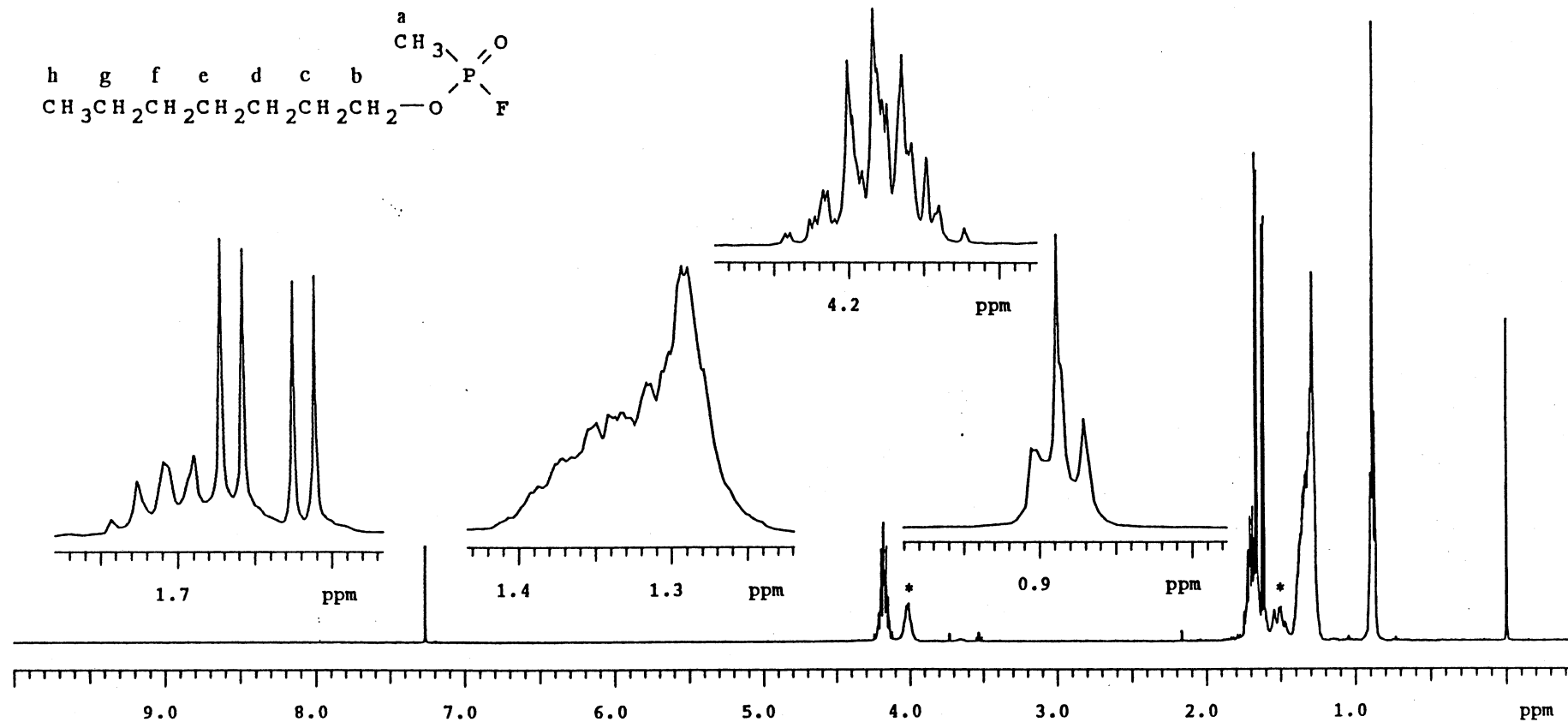


5-3-32

 $^1\text{H NMR}$

Heptyl methylphosphonofluoridate

162085-82-7



| | | | | | | | | |
|---------------------------|----------------------|--------------------------|--------------------------------|------|----------------|-------------------|------|----------------|
| Solvent: | CDCl_3 | Flip angle; Pulse width: | 45° ; $6.2 \mu\text{s}$ | nuc. | δ [ppm] | J [Hz] | nuc. | δ [ppm] |
| Concentration: | 19.4 mg/1.0 ml | No. of scans; Rep. time: | 32; 22.2 s | a | 1.642 | 18.7 (P); 5.7 (F) | g | 1.27-1.35 |
| Reference substance: | TMS | Weighting; Line broad.: | exp.; 0.1 Hz | b | 4.16-4.20 | | h | 0.889 |
| Sample temperature: | 29.5°C | Spectral resolution: | 0.4 Hz (TMS) | c | 1.71 | | | |
| Resonance frequency: | 400.140 MHz | Instrument: | Bruker AMX-400 | d | 1.32-1.37 | | | |
| Spectral width: | 5263.2 Hz | Source reference: | 930620-707 | e | 1.27-1.35 | | | |
| Data points (FID; spec.): | 64 k; 32 k | | | f | 1.27-1.35 | | | |

OPCW Code:5-3-32 (p1/1)