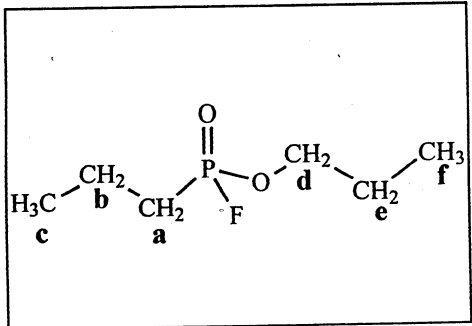


Apparatus : Bruker DPX 360
 Frequency : 145.78 MHz
 Temperature : 25°C
 Pulse Width : 8 μs (90°)
 Repetition Time : 3 s
 Concentration : ≈ 20 mg/ml
 Solvent/Lock : CDCl₃/CDCl₃
 Reference : H₃PO₄ external
 Spectral width : 8010 Hz
 Data points : FID = 32K
 SPC = 32K
 Line Broadning : No
 Resolution : peak 35.62 ppm 0.8 Hz

n-PROPYL n-PROPYLPHOSPHONOFLUORIDATE

MF : C₆H₁₄FO₂P CAS :



ASSIGNMENT

$\delta = 31.97$ ppm
 $J_{P-F} = 1069.0$ Hz
 $J_{P-a} = 18.6$ Hz*
 $J_{P-b} = 14.4$ Hz*
 $J_{P-c} = 1.4$ Hz*
 $J_{P-d} = 9.1 \text{ \& } 7.6$ Hz*

* extracted from 1D ¹H spectrum