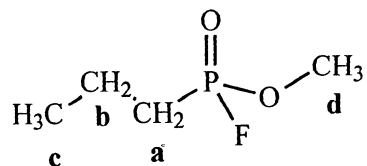


Apparatus : Bruker DPX 360
 Frequency : 360.13 MHz
 Temperature : 25°C
 Pulse Width : 18 μs (90°)
 Repetition Time : 4 s
 Solvent/Lock : $\text{CDCl}_3/\text{CDCl}_3$
 Reference : TMS internal
 Spectral width : 2980 Hz
 Data points : FID = 16K
 SPC = 16K
 Line Broadning : No
 Resolution : TMS 0.5 Hz

METHYL n-PROPYLPHOSPHONOFUORIDATE

MF : $\text{C}_4\text{H}_{10}\text{FO}_2\text{P}$ CAS :

ASSIGNMENT



- a** : $\delta \approx 1.90$ ppm ; $J_{\text{P-a}} = 18.7$ Hz ; $J_{\text{F-a}} = 4.1$ Hz ;
 $J_{\text{a-b}}$ not measured
- b** : $\delta \approx 1.71$ ppm ; $J_{\text{P-b}} = 14.4$ Hz
- c** : $\delta = 1.06$ ppm ; $J_{\text{P-c}} = 1.6$ Hz ; $J_{\text{F-c}} = 0.9$ Hz ; $J_{\text{b-c}} = 7.3$ Hz
- d** : $\delta = 3.86$ ppm ; $J_{\text{P-d}} = 11.2$ Hz ; $J_{\text{F-d}} = 0.9$ Hz