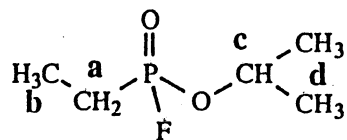


(1-METHYLETHYL) ETHYLPHOSPHONOFUORIDATE



CAS number : 1189-87-3
 MF : $C_5H_{12}FO_2P$
 Solvent/Lock : $CDCl_3/CDCl_3$
 Nucleus : ^{13}C
 Apparatus : Bruker AMX360
 Frequency : 90.56 MHz
 Temperature : 23°C
 Concentration : ≈ 40 mg/ml

Reference internal : $CDCl_3$ at 77.26 ppm
 Spectral width : 8620 Hz
 Pulse Width : 4 μs (90°)
 Repetition Time : 1 s
 Data points : FID = 32K, SPC = 32K
 Line Broadning : No
 Peak Width 1/2 height : peak 19.01 ppm 0.6 Hz

a : $\delta = 17.98$ ppm ; $J_{P-a} = 146.7$ Hz ; $J_{F-a} = 24.6$ Hz
 b : $\delta = 6.06$ ppm ; $J_{P-b} = 7.1$ Hz ; $J_{F-b} = 0.8$ Hz
 c : $\delta = 72.45$ ppm ; $J_{P-c} = 7.4$ Hz
 d : $\delta = 23.80$ & 23.76 ppm ; $J_{P-d} = 3.4$ & 5.9 Hz ;
 $J_{F-d} = 0.0$ & 1.7 Hz