



* : impurities

ETHYL (1-METHYLETHYL)PHOSPHONOFUORIDATE

CAS number : 1426-08-0
 MF : C₅H₁₂FO₂P
 Solvent/Lock : CDCl₃/CDCl₃
 Nucleus : ¹H
 Apparatus : Bruker DPX 360
 Frequency : 360.13 MHz
 Temperature : 23°C
 Concentration : ≈ 40 mg/ml

Reference : TMS internal
 Spectral width : 3250 Hz
 Pulse Width : 18 μs (90°)
 Repetition Time : 4 s
 Data points : FID = 16K, SPC = 16K
 Line Broadning : No
 Peak Width 1/2 height : TMS 0.6 Hz

a : δ = 2.13 ppm ; J_{P-a} = 19.9 Hz ; J_{F-a} = 2.2 Hz
 b : δ = 1.26 ppm ; J_{P-b} = 19.8 Hz ;
 J_{a-b} = 7.2 Hz ; J_{F-b} = 1.5 Hz
 c : δ = 4.29 & 4.26 ppm ; J_{P-c} = 9.5 & 9.3 Hz ;
 J_{c-c'} = 10.2 Hz ; J_{F-c} = 1.5 & < 0.5 Hz
 d : δ = 1.38 ppm ; J_{c-d} = 7.1 Hz