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1H-NMR hjb03a + TMS
ca 179mg iso-propyl methylthiophos-
phonofluoridate in ca 0.7ml CDCl3
214496036 jrn.342;173/200
OBSERVE H1
 FREQUENCY 399.958 MHz
 SPECTRAL WIDTH 6499.8 Hz
 ACQUISITION TIME 5.041 sec
 RELAXATION DELAY 3.000 sec
 PULSE WIDTH 16.4 usec
 TEMPERATURE 30.0 deg. C.
 NO. REPETITIONS 200
DOUBLE PRECISION ACQUISITION
DATA PROCESSING
 FT SIZE 131072
TOTAL ACQUISITION TIME 27 minutes
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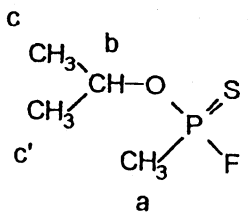
SPECTRAL LINES for th=7.1
rfl= 804.8 rfp= 0.0
TMS internal

nr	Hz	ppm	intensity
1	2014.37	5.036	8.5
2	2013.77	5.035	8.0
3	2003.76	5.010	8.6
4	2003.16	5.008	8.0
5	784.82	1.962	98.2
6	778.77	1.947	96.2
7	768.65	1.922	87.9
8	762.70	1.907	86.5
9	549.86	1.375	77.2
10	543.71	1.359	75.8
11	540.64	1.352	59.4
12	534.39	1.336	58.3
13	0.00	0.000	74.0



Isopropyl methylthiophosphonofluoridate(thiosarin)
CAS 4241-37-6

Nucleus :	^{1}H
Frequency :	400.0 MHz
Concentration :	ca. 179 mg/0.7 ml $CDCl_3$
Reference TMS internal. Resolution :	0.4 Hz (TMS)
Instrument :	Varian VXR 400S

Temperature :	30 °C
Spectral width :	6499.8 Hz
Data point (FID) :	64 K
Pulse angle :	16.4 µs (60°)
Number of pulses :	200
Repetition time :	8.0 s
Line broadening :	not used
Data points (spec) :	128 K

a:	1.94 ppm	J(bc) :	6.3 Hz	J(aP) :	16.1 Hz
b:	5.02 ppm	J(bc'):	6.3 Hz	J(bP) :	10.7 Hz
c:	1.34 ppm			J(aF) :	6.0 Hz
c':	1.37 ppm			J(bF) :	0.6 Hz