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19F-NMR f1122a3 + CFCl3
cyclopentylthiosarin in ca 0.7ml CDCl3
214195126.006 jrn.342;146/200

 Solvent: CDCl3
 Temp. 30.0 C / 303.1 K
User: pml
File: f1122a3
VXR-400S  "pmlvxr"

PULSE SEQUENCE
 Relax. delay 7.400 sec
 Pulse 60.0 degrees
 Acq. time 3.477 sec
 Width 18407.7 Hz
 64 repetitions
OBSERVE  F19, 376.3340420 MHz
DATA PROCESSING
 Line broadening 0.1 Hz
FT size 262144
Total time 11 minutes
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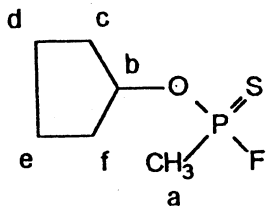
SPECTRAL LINES for th-2.2

rf1- 16860.6 rfp- 0.0

CFCl3 intern;res. 0.8Hz

nr	Hz	ppm	intensity
1	2.39	0.006	4.0
2	0.00	0.000	3.9
3	-14659.36	-38.954	29.8
4	-14665.40	-38.970	88.9
5	-14671.44	-38.986	88.8
6	-14677.48	-39.002	29.7
7	-15745.81	-41.841	28.9
8	-15751.85	-41.857	86.5
9	-15757.89	-41.873	86.4
10	-15763.93	-41.889	28.9



Cyclopentyl methylthiophosphonofluoridate
CAS 4241-35-4

Nucleus :	^{19}F
Frequency :	376.3 MHz
Concentration :	ca. 154 mg/0.7 ml $CDCl_3$
Reference $CFCl_3$ internal.	Resolution : 0.8 Hz ($CFCl_3$)
Instrument :	Varian VXR 400S

Temperature :	30 °C
Spectral width :	18407.7 Hz
Data point (FID) :	128 K
Pulse angle :	22.7 µs (60°)
Number of pulses :	64
Repetition time :	10.9 s
Line broadening :	0.1 Hz
Data points (spec) :	256 K

F: -40.4 ppm J(PF) : 1086.5 Hz
J(aF) : 6.0 Hz