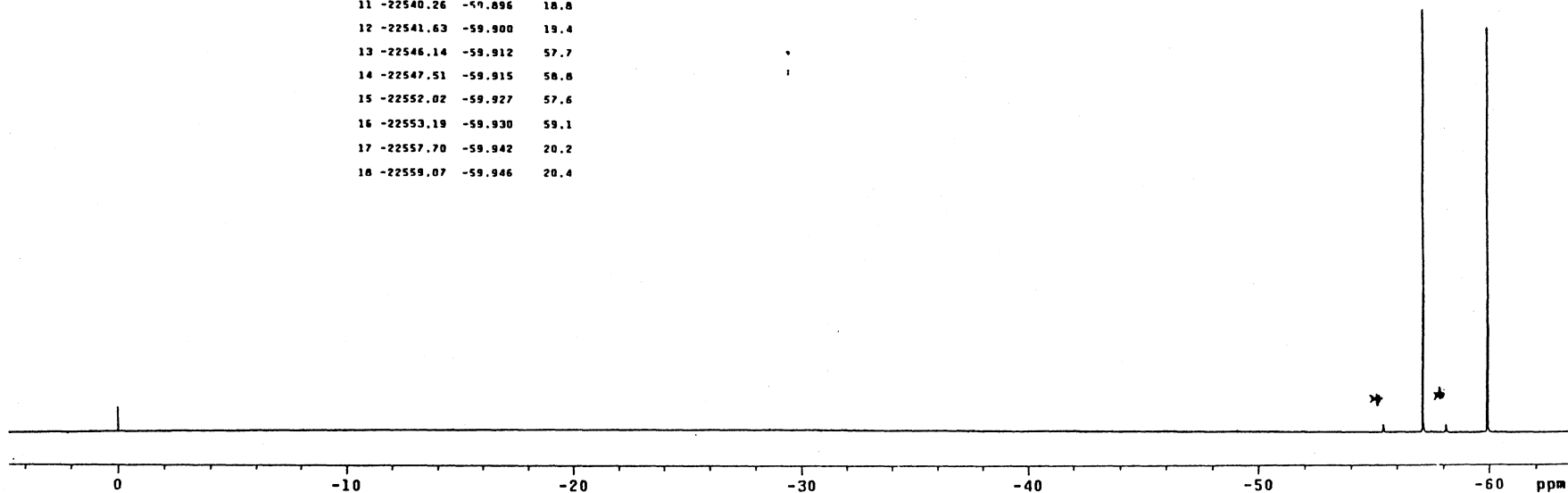
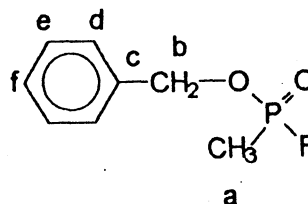


19F-NMR f1116a3 + sp CFC13
benzylsarin in ca 0.7ml CDCl3
214195126.006 Jrn.342;140/200
Solvent: CDCl3
Temp. 30.0 C / 303.1 K
User: pm1
File: f1116a3
VXR-400S "pmlvvr"
PULSE SEQUENCE
Relax. delay 7.400 sec
Pulse 60.0 degrees
Acq. time 2.491 sec
Width 25690.4 Hz
64 Repetitions
OBSERVE F19 376.3340619 MHz
DATA PROCESSING
FT size 262144
Total time 10 minutes

SPECTRAL LINES for th=1.9
rf1= 23921.7 rfp= 0.0
CFC13 internal=0.00ppm

nr	Hz	ppm	intensity
1	2.35	0.006	3.5
2	0.00	0.000	3.3
3	-21486.73	-57.097	19.3
4	-21487.91	-57.100	20.0
5	-21492.42	-57.112	60.1
6	-21493.79	-57.115	61.6
7	-21498.30	-57.127	61.2
8	-21499.67	-57.131	61.7
9	-21504.18	-57.143	20.7
10	-21505.35	-57.146	20.7
11	-22540.26	-59.896	18.8
12	-22541.63	-59.900	19.4
13	-22546.14	-59.912	57.7
14	-22547.51	-59.915	58.8
15	-22552.02	-59.927	57.6
16	-22553.19	-59.930	59.1
17	-22557.70	-59.942	20.2
18	-22559.07	-59.946	20.4



Benzyl methylphosphonofluoridate (benzyl sarin)

CAS 14618-07-6

Nucleus :

¹⁹F

Frequency :

376.3 MHz

Concentration :

ca. 85 mg/0.7 ml CDCl₃Reference CFC1₃ internal. Resolution : 0.9 Hz (CFC1₃)

Instrument :

Varian VXR 400S

Temperature : 30 °C

Spectral width : 25690.4 Hz

Data point (FID) : 127990

Pulse angle : 22.7 μs (60°)

Number of pulses : 64

Repetition time : 9.9 s

Line broadening : not used

Data points (spec) : 256 K

F: -58.5 ppm J(PF) : 1053.7 Hz J(aF): 5.8 Hz

J(b'F): 1.4 Hz