

31P-NMR p1116b2(1H) +cap 85X H3PO4
benzylsarin in ca 0.7ml CDCl3
214195126.006 jrn.342;140/200

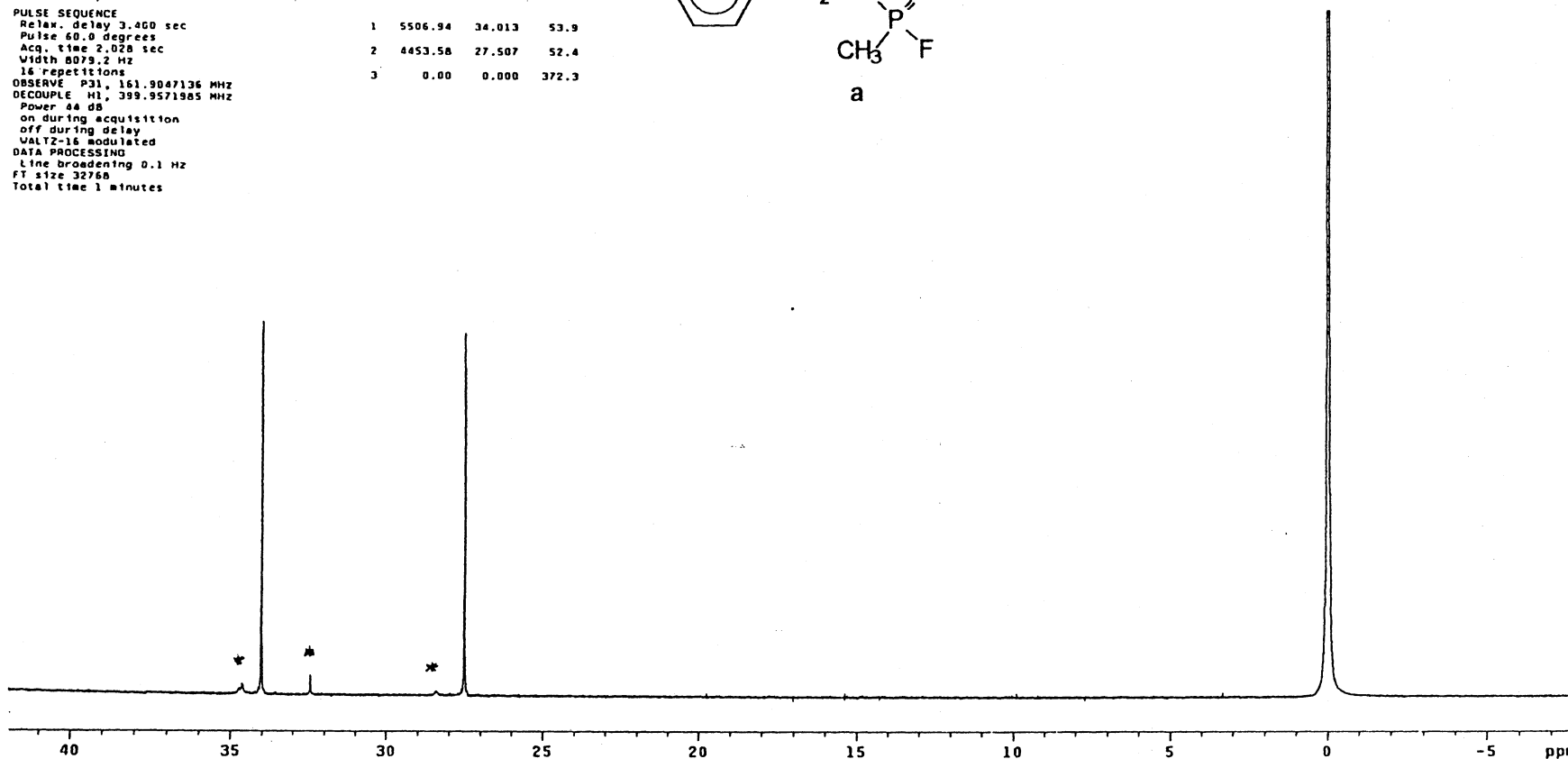
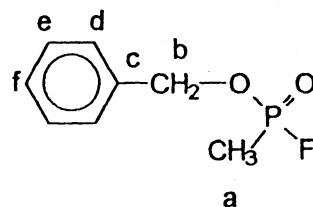
Solvent: CDCl3
Temp: 30.0 C / 303.1 K
User: pm1
File: p1116b2
VXR-400S "pulver"

PULSE SEQUENCE

Relax. delay 3.400 sec
Pulse 60.0 degrees
Acq. time 2.028 sec
Width 8079.2 Hz
16 repetitions
OBSERVE P31, 161.9047136 MHz
DECOUPLE H1, 399.9571985 MHz
Power 44 dB
on during acquisition
off during delay
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 1 minutes

SPECTRAL LINES for th-47.7

nr	Hz	ppm	intensity
1	5506.94	34.013	53.9
2	4453.58	27.507	52.4
3	0.00	0.000	372.3



Benzyl methylphosphonofluoridate (benzyl sarin)

CAS 14618-07-6

Nucleus :

 $^{31}\text{P}\{^1\text{H}\}$

Frequency :

161.9 MHz

Concentration :

ca. 85 mg/0.7 ml CDCl₃Reference H₃PO₄ external.

Res. : 3.4 Hz (34.0 ppm)

Instrument :

Varian VXR 400S

Temperature : 30 °C

P: 30.8 ppm J(PF) : 1053.7 Hz

Spectral width : 8079.2 Hz

Data point (FID) : 32 K

Pulse angle : 15.6 μs (60°)

Number of pulses : 16

Repetition time : 5.4 s

Line broadening : 0.1 Hz

Data points (spec) : 32 K