

31P-NMR pjb09b2(1H) + cap 85X H3PO4
23.7mg 96040M2 in ca 0.7ml CDCl3
214496036 Jrn.342;179/200

Solvent: CDCl3
Temp. 30.0 C / 303.1 K
User: pm1
File: pjb09b2
VXR-400S "pmlvr"

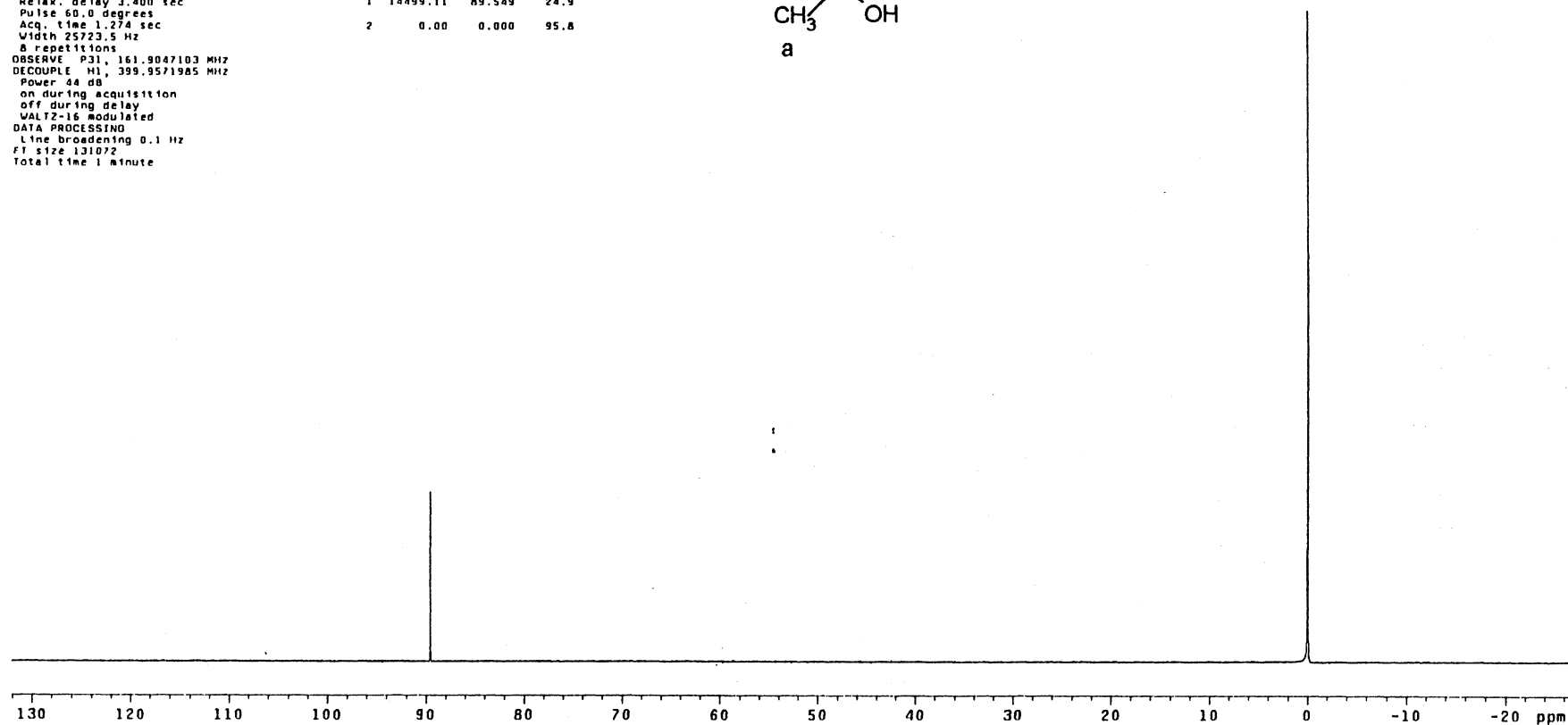
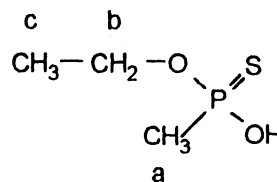
PULSE SEQUENCE
Relax. delay 3.400 sec
Pulse 60.0 degrees
Acq. time 1.274 sec
Width 25723.5 Hz
repetitions
OBSERVE P31, 161.9047103 MHz
DECOUPLE H1, 399.9571985 MHz
Power 44 dB
on during acquisition
off during delay
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.1 Hz
F1 size 131072
Total time 1 minute

SPECTRAL LINES for th=18.3

rf1= 4331.8 rfp= 0.0

H3PO4 external;dres 89.6ppm;2.9HZ

| nr | Hz | ppm | intensity |
|----|----------|--------|-----------|
| 1 | 14499.11 | 89.549 | 24.9 |
| 2 | 0.00 | 0.000 | 95.8 |



O-ethyl methylphosphonothioate
CAS 18005-40-8

Nucleus :

Frequency :

Concentration :

Reference H₃PO₄ external.

Instrument :

³¹P{1H}

161.9 MHz

ca. 24 mg/0.7 ml CDCl₃

Res. : 2.9 Hz (89.6 ppm)

Varian VXR 400S

Temperature : 30 °C

Spectral width : 25723.5 Hz

Data point (FID) : 64 K

Pulse angle : 10.3 μs (60°)

Number of pulses : 8

Repetition time : 4.7 s

Line broadening : 0.1 Hz

Data points (spec) : 128 K

P: 89.6 ppm