

¹³C-NMR cjc01b(1H)
33.8mg S-2-diethylaminoethyl methyl-
phosphonothiolate in ca 0.72ml CDCl₃
214196066.004 Jrn.407,016/200

Solvent: CDCl₃
Temp. 30.0 C / 303.1 K
User: pm1
File: cjc01b
VXR-400S "pmlvkr"

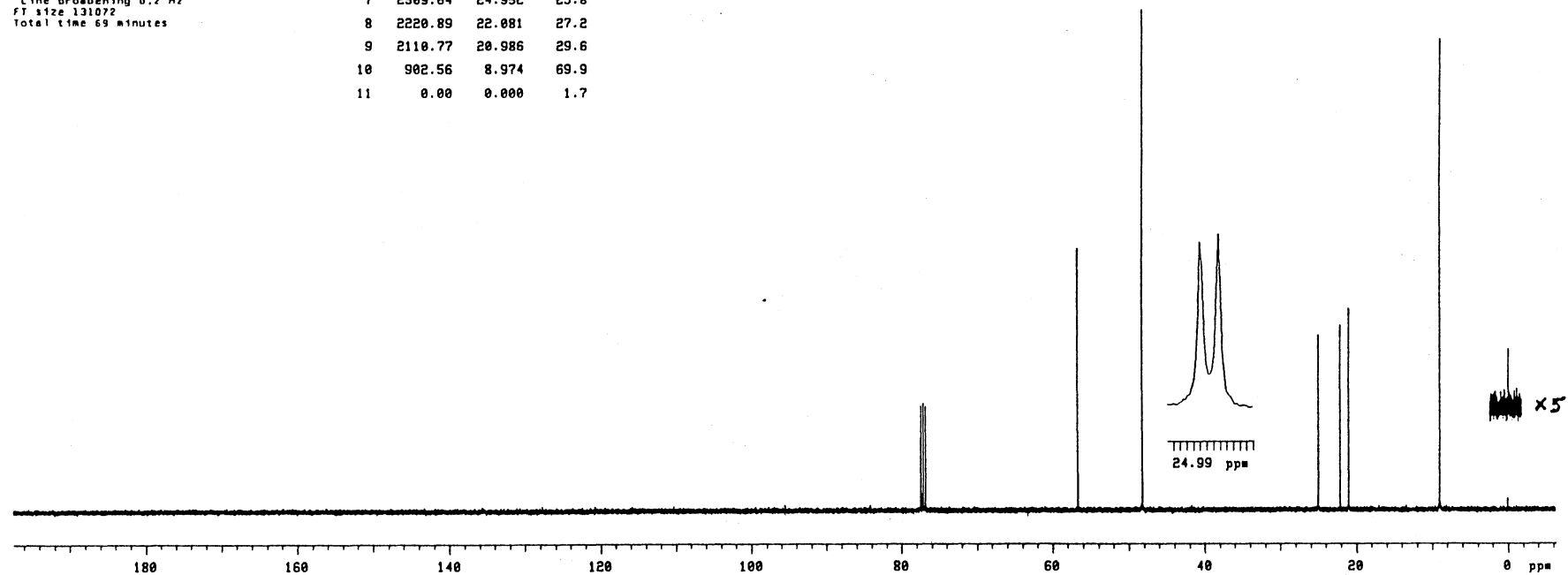
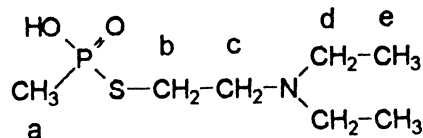
PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 60.0 degrees
Acq. time 1.598 sec
Width 20502.3 Hz
1600 repetitions
OBSERVE C13, 100.568004 MHz
DECUPLE H1, 399.9571862 MHz
Power 44 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.2 Hz
FT size 131072
Total time 69 minutes

SPECTRAL LINES for th=1.6

rfl= 642.3 rfp= 0.0

TMS=0.00ppm;dres=0.8Hz

nr	Hz	ppm	intensity
1	7792.03	77.472	15.5
2	7760.12	77.155	15.8
3	7727.90	76.835	15.4
4	5702.23	56.694	38.7
5	4849.41	48.215	74.4
6	2512.46	24.980	24.6
7	2509.64	24.952	25.8
8	2220.89	22.081	27.2
9	2110.77	20.986	29.6
10	902.56	8.974	69.9
11	0.00	0.000	1.7



S-2-diethylaminoethyl methylphosphonothiolate

CAS

Nucleus :

¹³C{1H}

Frequency :

100.6 MHz

Concentration :

ca. 33.8 mg/0.72 ml CDCl₃

Reference TMS internal. Resolution. :

0.8 Hz (TMS)

Instrument :

Varian VXR 400S

Temperature : 30 °C

Spectral width : 20502.3 Hz

Data point (FID) : 64 K

Pulse angle : 12.3 μs (60°)

Number of pulses : 1600

Repetition time : 2.6 s

Line broadening : 0.2 Hz

Data points (spec) : 128 K

a: 21.5 ppm

J(aP) : 110.1 Hz

b: 25.0 ppm

J(bP) : 2.8 Hz

c: 56.7 ppm

d: 48.2 ppm

e: 9.0 ppm