

<sup>13</sup>C-NMR c1124b2(1H) + TMS  
 O,O-dimethyl methylthiophosphonate  
 in ca 0.7ml CDCl<sub>3</sub>  
 214195126.006 Jrn.342;148/200

Solvent: CDCl<sub>3</sub>  
 Temp. 30.0 C / 303.1 K  
 User: pm1  
 File: c1124b2  
 VXR-400S "pmlvvr"

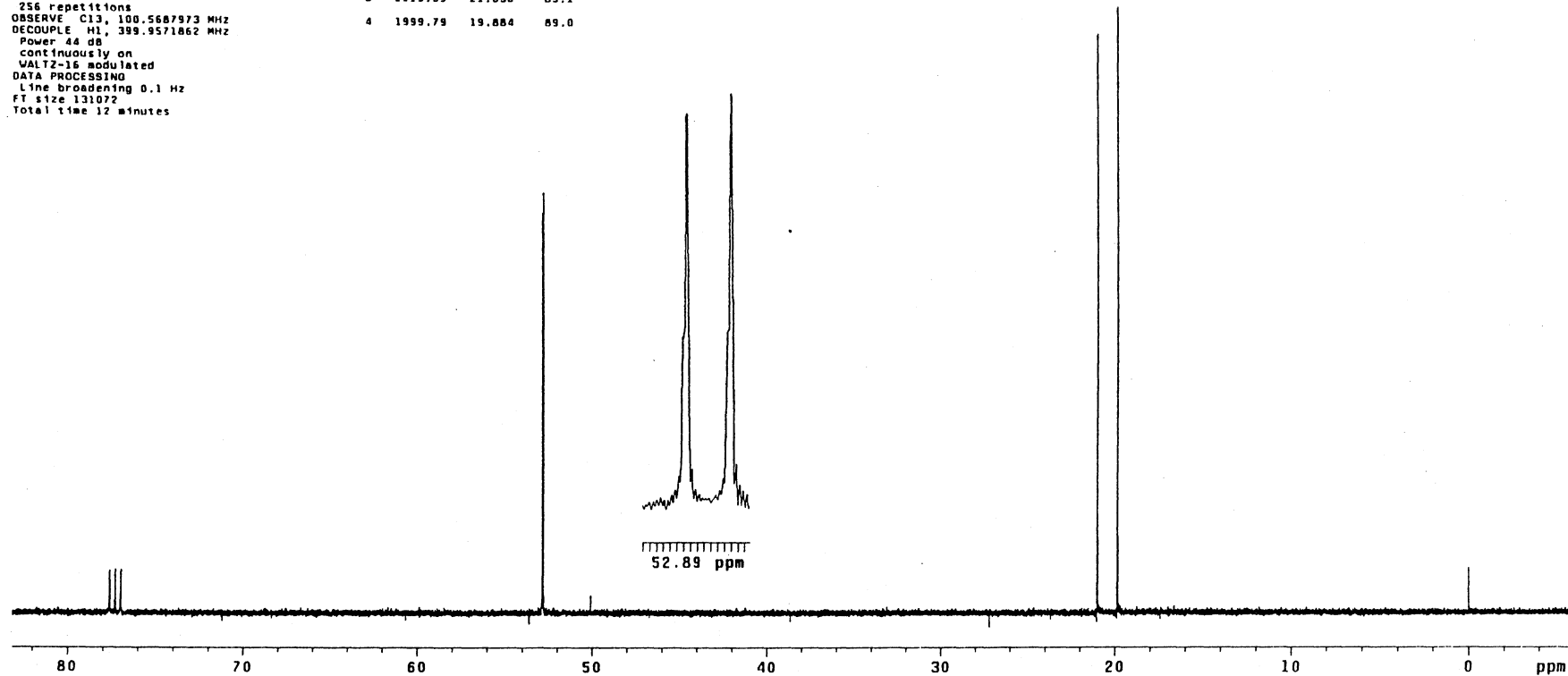
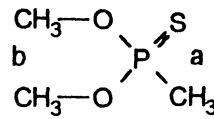
PULSE SEQUENCE  
 Relax. delay 1.000 sec  
 Pulse 60.0 degrees  
 Acq. time 1.830 sec  
 Width 8952.6 Hz  
 256 repetitions  
 OBSERVE C13, 100.5687973 MHz  
 DECOUPLE H1, 399.9571862 MHz  
 Power 44 dB  
 continuously on  
 WALTZ-16 modulated  
 DATA PROCESSING  
 Line broadening 0.1 Hz  
 FT size 131072  
 Total time 12 minutes

SPECTRAL LINES for th-36.6

rfl= 589.2 rfp= 0.0

TMS internal; res. 0.5Hz

nr	Hz	ppm	intensity
1	5317.71	52.874	58.3
2	5311.15	52.809	61.2
3	2115.09	21.030	85.1
4	1999.79	19.884	89.0



Dimethyl methylthiophosphonate

CAS 681-06-1

Nucleus : <sup>13</sup>C{<sup>1</sup>H}

Frequency : 100.6 MHz

Concentration : ca. 177 mg/0.7 ml CDCl<sub>3</sub>

Reference TMS internal. Resolution. : 0.5 Hz (TMS)

Instrument : Varian VXR 400S

Temperature : 30 °C

Spectral width : 8952.6 Hz

Data point (FID) : 32 K

Pulse angle : 13.2 μs (60°)

Number of pulses : 256

Repetition time : 2.8 s

Line broadening : 0.1 Hz

Data points (spec) : 128 K

a: 20.5 ppm J(aP) : 115.3 Hz

b: 52.8 ppm J(bP) : 6.6 Hz