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13C-NMR cjd04b(1H)
ca 36.1mg 9613GM02/2 in 0.7ml CDCl3
214196066.004 jrn.407;062/100
OBSERVE C13
 FREQUENCY 100.574 MHz
 SPECTRAL WIDTH 10655.3 Hz
 ACQUISITION TIME 1.538 sec
 RELAXATION DELAY 0.500 sec
 PULSE WIDTH 13.1 usec
 TEMPERATURE 30.0 deg. C.
 NO. REPETITIONS 2340
DECOUPLE H1
 HIGH POWER 44
 DECOUPLER CONTINUOUSLY ON
 WALTZ16 MODULATED
DOUBLE PRECISION ACQUISITION
DATA PROCESSING
 LINE BROADENING 0.2 Hz
 FT SIZE 131072
TOTAL ACQUISITION TIME 79 minutes
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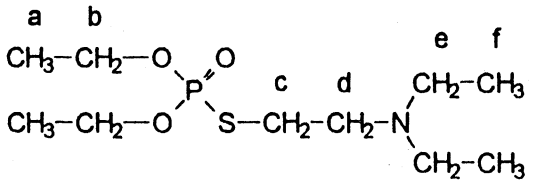
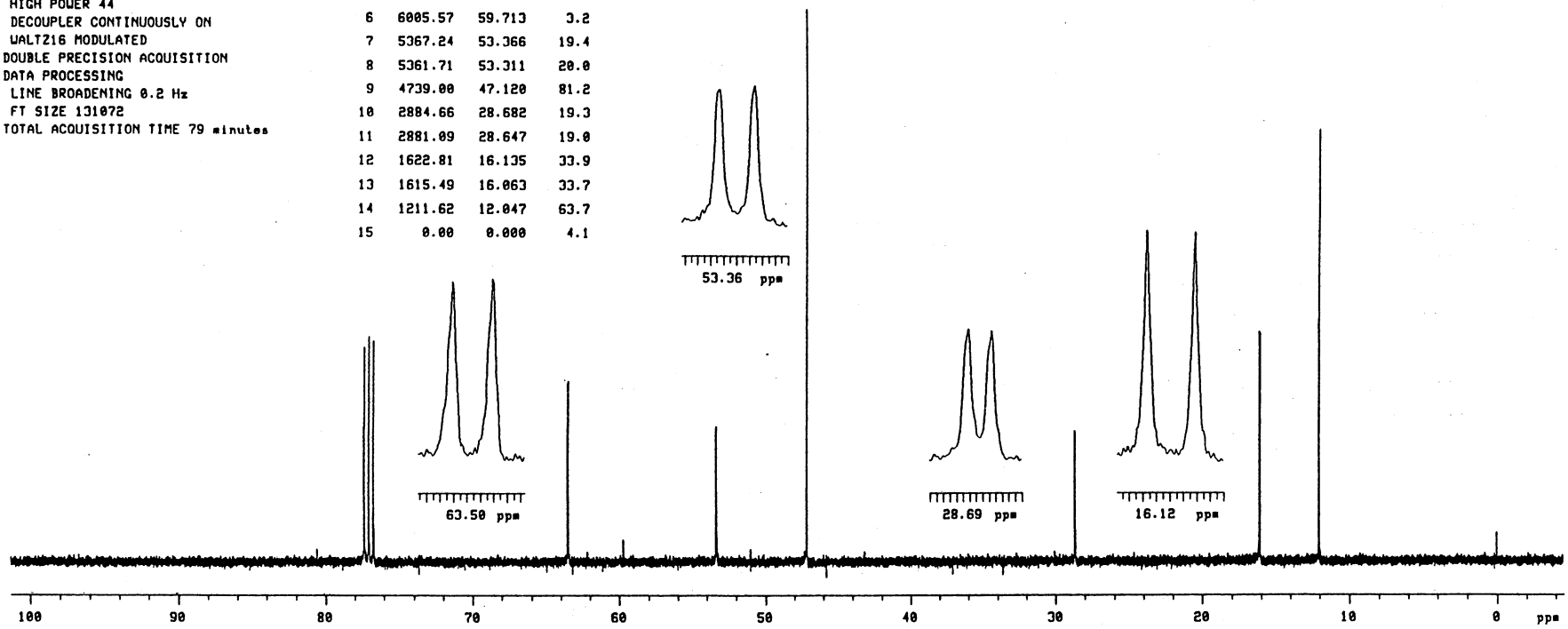
SPECTRAL LINES for th=2.6
rfl= 459.5 rfp= 0.0
TMS internal;dres=0.6Hz

nr	Hz	ppm	intensity
1	7781.37	77.370	31.6
2	7749.50	77.053	33.1
3	7717.47	76.735	32.4
4	6388.63	63.522	26.2
5	6382.61	63.462	26.6
6	6005.57	59.713	3.2
7	5367.24	53.366	19.4
8	5361.71	53.311	20.0
9	4739.00	47.120	81.2
10	2884.66	28.682	19.3
11	2881.09	28.647	19.0
12	1622.81	16.135	33.9
13	1615.49	16.063	33.7
14	1211.62	12.047	63.7
15	0.00	0.000	4.1





O,O-diethyl S-2-diethylaminoethyl phosphorothiolate
CAS 78-53-5

Nucleus :	$^{13}C\{1H\}$
Frequency :	100.6 MHz
Concentration :	ca. 36.1 mg/0.7 ml $CDCl_3$
Reference TMS internal. Resolution. :	0.6 Hz (TMS)
Instrument :	Varian VXR 400S

Temperature :	30 °C
Spectral width :	10655.3 Hz
Data point (FID) :	32 K
Pulse angle :	13.1 (60°)
Number of pulses :	2340
Repetition time :	2.0 s
Line broadening :	0.2 Hz
Data points (spec) :	128 K

a:	16.1 ppm	J(aP) :	7.3 Hz
b:	63.5 ppm	J(bP) :	6.0 Hz
c:	28.7 ppm	J(cP) :	3.6 Hz
d:	53.3 ppm	JdP) :	5.5 Hz
e:	47.1 ppm		
f:	12.0 ppm		