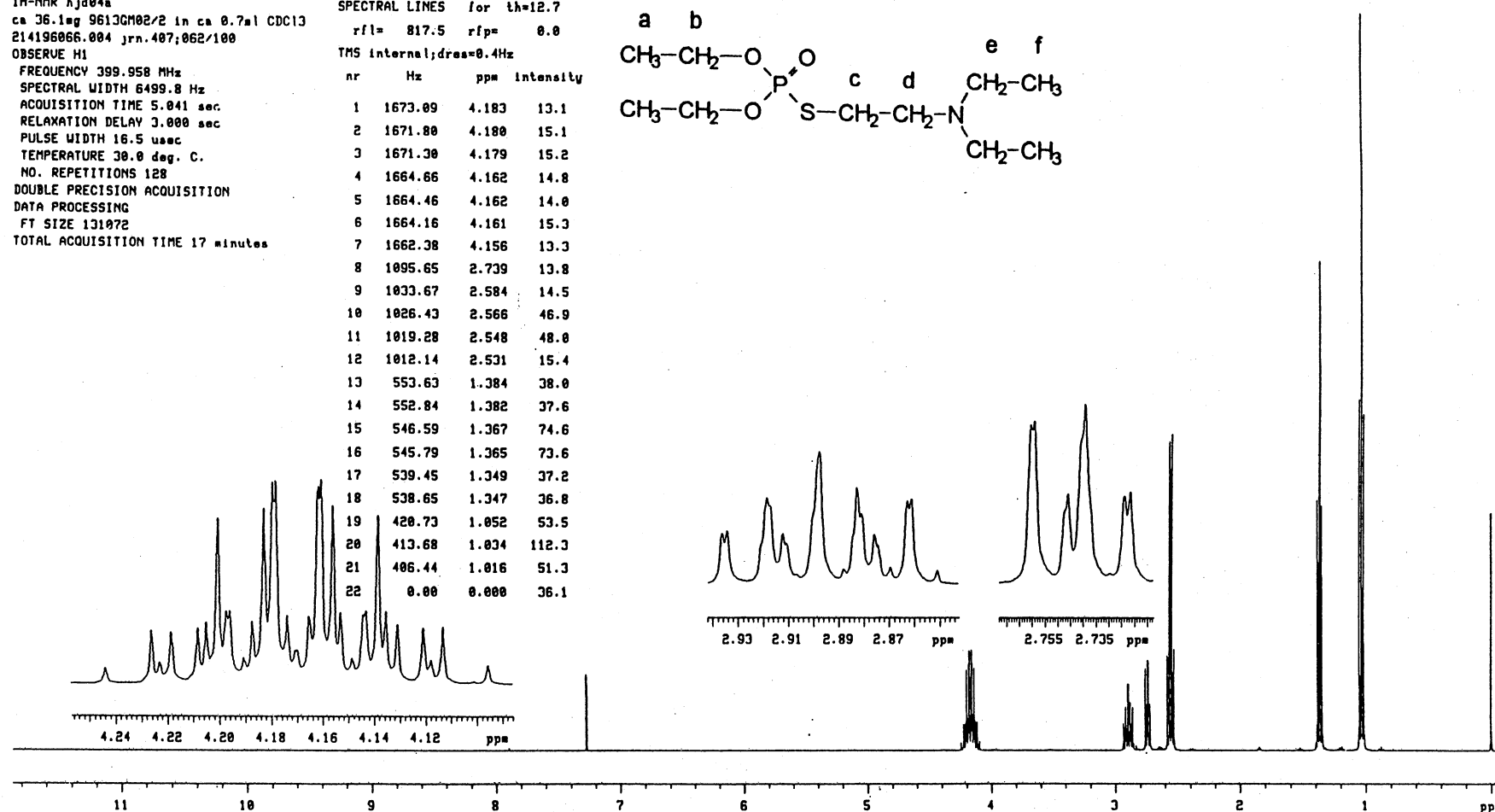


1H-NMR hjd04a  
 ca 36.1mg 9613GM02/2 in ca 0.7ml CDCl3  
 214196066.004 jrn.407;062/100  
 OBSERVE H1  
 FREQUENCY 399.958 MHz  
 SPECTRAL WIDTH 6499.8 Hz  
 ACQUISITION TIME 5.041 sec  
 RELAXATION DELAY 3.000 sec  
 PULSE WIDTH 16.5 usec  
 TEMPERATURE 30.0 deg. C.  
 NO. REPETITIONS 128  
 DOUBLE PRECISION ACQUISITION  
 DATA PROCESSING  
 FT SIZE 131072  
 TOTAL ACQUISITION TIME 17 minutes

SPECTRAL LINES for th=12.7  
 rfl= 817.5 rfp= 0.0  
 TMS internal; dres=0.4Hz

nr	Hz	ppm	intensity
1	1673.09	4.183	13.1
2	1671.80	4.180	15.1
3	1671.30	4.179	15.2
4	1664.66	4.162	14.8
5	1664.46	4.162	14.0
6	1664.16	4.161	15.3
7	1662.38	4.156	13.3
8	1095.65	2.739	13.8
9	1033.67	2.584	14.5
10	1026.43	2.566	46.9
11	1019.28	2.548	48.0
12	1012.14	2.531	15.4
13	553.63	1.384	38.0
14	552.84	1.382	37.6
15	546.59	1.367	74.6
16	545.79	1.365	73.6
17	539.45	1.349	37.2
18	538.65	1.347	36.8
19	420.73	1.052	53.5
20	413.68	1.034	112.3
21	406.44	1.016	51.3
22	0.00	0.000	36.1



O,O-diethyl S-2-diethylaminoethyl phosphorothiolate  
 CAS 78-53-5  
 Nucleus : <sup>1</sup>H  
 Frequency : 400.0 MHz  
 Concentration : ca. 36.1 mg/0.7 ml CDCl<sub>3</sub>  
 Reference TMS internal. Resolution : 0.4 Hz (TMS)  
 Instrument : Varian VXR 400S

Temperature : 30 °C  
 Spectral width : 6499.8 Hz  
 Data point (FID) : 64 K  
 Pulse angle : 16.5 μs (60°)  
 Number of pulses : 128  
 Repetition time : 8.0 s  
 Line broadening : not used  
 Data points (spec) : 128 K

a: 1.37 ppm J(ab) : 7.1 Hz J(aP) : 0.8 Hz  
 b: 4.15 ppm J(bb') : 10.1 Hz J(bP) : 8.9 Hz  
 b': 4.19 ppm J(ef) : 7.2 Hz J(b'P) : 8.3 Hz  
 c: 2.90 ppm  
 d: 2.74 ppm  
 e: 2.56 ppm  
 f: 1.03 ppm