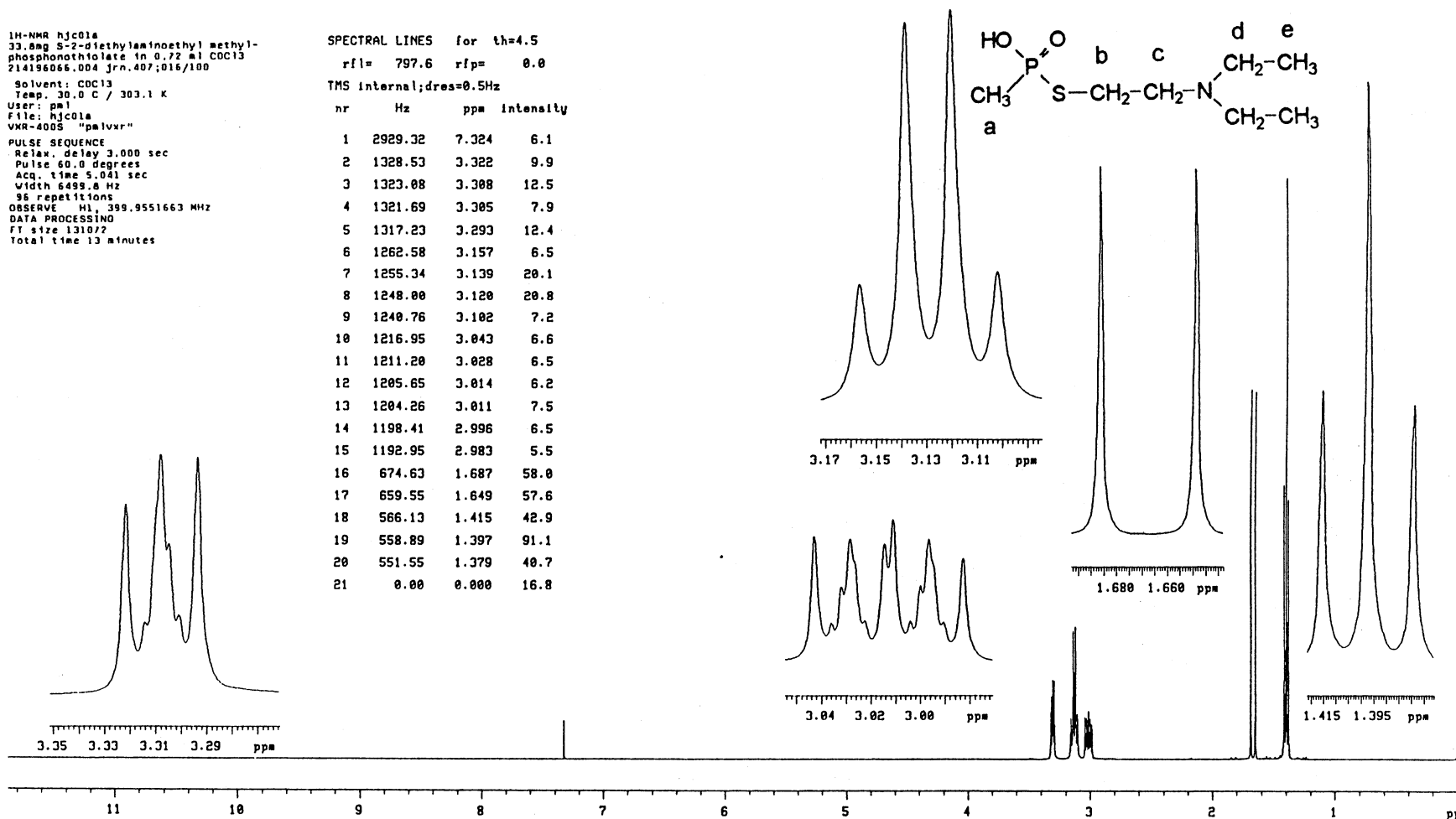


1H-NMR hjc01a
 33.8mg S-2-diethylaminoethyl methyl-
 phosphonothiolate in 0.72 ml CDCl3
 214196066.004 jrn.407;016/100
 Solvent: CDCl3
 Temp. 30.0 C / 303.1 K
 User: pm1
 File: hjc01a
 VXR-400S "pmlvnr"
 PULSE SEQUENCE
 Relax. delay 3.000 sec
 Pulse 60.0 degrees
 Acq. time 5.041 sec
 Width 6499.8 Hz
 95 repetitions
 OBSERVE H1, 399.9551663 MHz
 DATA PROCESSING
 FT size 131072
 Total time 13 minutes

SPECTRAL LINES for th=4.5
 rfl= 797.6 rfp= 0.0
 TMS internal;dres=0.5Hz

nr	Hz	ppm	intensity
1	2929.32	7.324	6.1
2	1328.53	3.322	9.9
3	1323.08	3.308	12.5
4	1321.69	3.305	7.9
5	1317.23	3.293	12.4
6	1262.58	3.157	6.5
7	1255.34	3.139	20.1
8	1248.00	3.120	20.8
9	1240.76	3.102	7.2
10	1216.95	3.043	6.6
11	1211.20	3.028	6.5
12	1205.65	3.014	6.2
13	1204.26	3.011	7.5
14	1198.41	2.996	6.5
15	1192.95	2.983	5.5
16	674.63	1.687	58.0
17	659.55	1.649	57.6
18	566.13	1.415	42.9
19	558.89	1.397	91.1
20	551.55	1.379	40.7
21	0.00	0.000	16.8



S-2-diethylaminoethyl methylphosphonothiolate

CAS

Nucleus :

Frequency :

Concentration :

Reference TMS internal. Resolution :

Instrument :

¹H

400.0 MHz

ca. 33.8 mg/0.72 ml CDCl₃

0.5 Hz (TMS)

Varian VXR 400S

Temperature : 30 °C

Spectral width : 6499.8 Hz

Data point (FID) : 64 K

Pulse angle : 16.4 μs (60°)

Number of pulses : 32

Repetition time : 8.0 s

Line broadening : not used

Data points (spec) : 128 K

a: 1.67 ppm

b: 3.01 ppm

c: 3.31 ppm

d: 3.13 ppm

e: 1.40 ppm

J(de) : 7.3 Hz

J(aP) : 15.1 Hz

J(bP) : 12.7 Hz