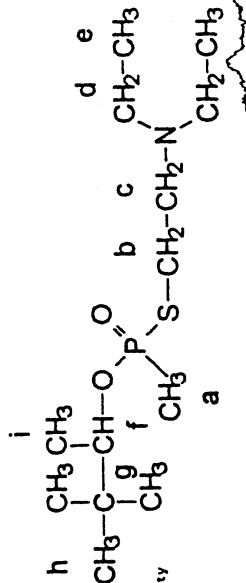
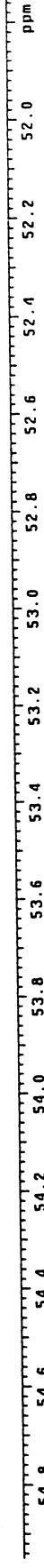
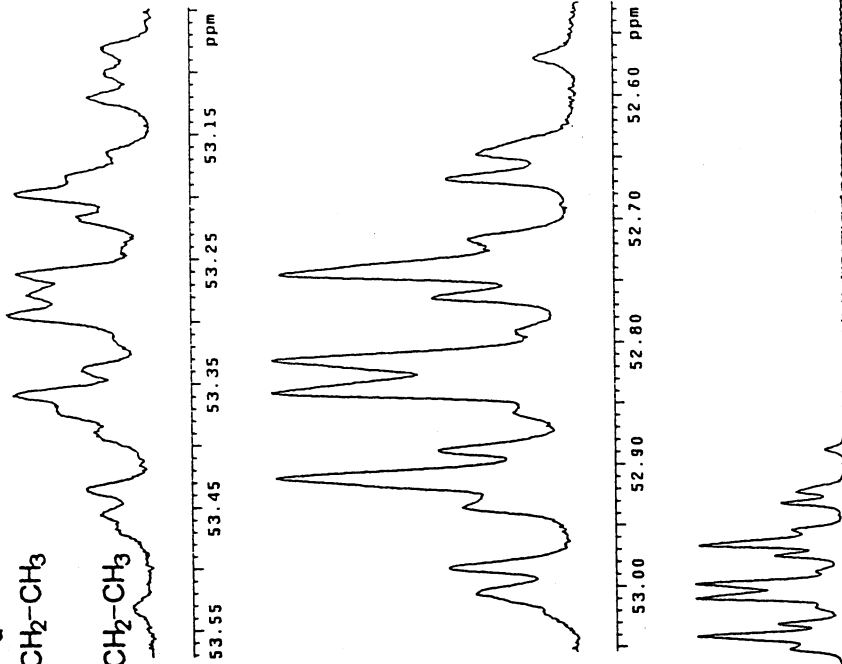


31P-NMR pic2ic 2sag 1,2,2-trimethylpropyl S-2-diethylaminoethyl methylphosphonothioate in 0.7ml CDCl3
 21419686-004 Jfn.407:036/100
 Solvent: CDCl3
 Temp. 30.0 C / 303.1 K
 User: pal
 VAR-4003 "pslvvr"

PULSE SEQUENCE
 Pulse 60.0 degrees
 Acq. time 7.807 sec
 Width 518.1 Hz
 500 repetitions
 OBSERVED FREQUENCY 161.907074 MHz
 Line broadening 0.1 Hz
 FT size 32768
 Total time 66 minutes



SPECTRAL LINES for th-4.2	
nr	ppm
1	53.434
2	53.358
3	53.335
4	53.293
5	53.278
6	53.260
7	53.215
8	53.196
9	53.004
10	52.993
11	52.833
12	52.807
13	52.886
14	52.837
15	52.810
16	52.762
17	52.741
18	52.714
19	52.665
20	52.646



Temperature : 30 °C I / II I / II
 Spectral width : 518.1 Hz P: 52.8/53.2 ppm J(aP) : 15.6/15.6 Hz
 Data point (FID) : 8 K
 Pulse angle : 10.3 µs (60°)
 Number of pulses : 500
 Repetition time : 7.9 s
 Line broadening : 0.1 Hz
 Data points (spec) : 32 K

1,2,2-trimethylpropyl S-2-diethylaminoethyl
 methylphosphonothioate (2 diastereoisomers I and II) ³¹P
 Nucleus :
 Frequency : 161.9 MHz
 Concentration : ca. 26 mg/0.7 ml CDCl₃
 Reference H₃PO₄ external. Res. : 2.7 Hz (52.9 ppm)
 Instrument : Varian VXR 400S