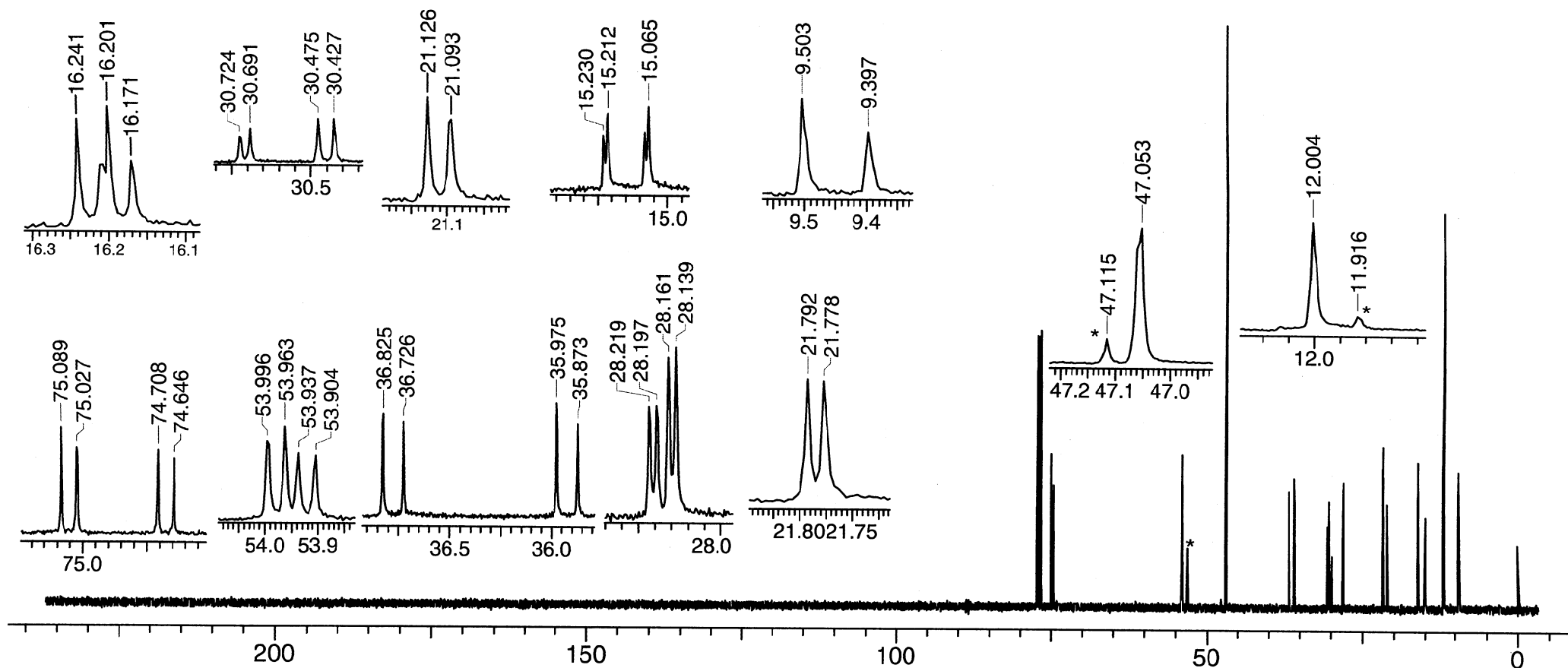


sec-Butyl S-2-diethylaminoethyl propylphosphonothiolate

¹³C{¹H} NMR

7-3-737



Res.freq: 125.697 MHz

Pulse Width: 3.5 μs [45°]

nuc δ[ppm]

J[Hz]

Solvent: CDCl₃

Number of Scans: 1024

a,a': 15.14, 15.16

J(a,P) = 18.4, J(a',P') = 18.9

Temperature: 28°C

Line Broadening: exp. 0.5 Hz

b,b': 16.19, 16.22

J(b,P) = 4.6, J(b',P') = 5.1

Concentration: 0.077 μl/ μl

Rep.time: 1.85 s

c,c': 36.30, 36.40

J(c,P) = J(c',P') = 106.8

Reference: TMS [internal]

Resolution: 1.0 Hz (TMS)

d,d': 9.40, 9.50

J(e,P) = 6.0, J(e',P') = 4.1

Spectral Width: 31298.9 Hz

Instrument: Varian INOVA 500

e,e': 30.45, 30.71

J(f,P) = 4.1, J(f',P') = 1.8

Data points [Fid]: 115712

f,f': 21.11, 21.79

J(g,P) = J(g',P') = 7.8

Data Points [Spectrum]: 256K

g,g': 74.68, 75.06

J(h,P) = J(h',P') = 2.8

mixture of diastereomers

Um Mein

h,h': 28.15, 28.21

J(i,P) = J(i',P') = 4.1

i,i': 53.92, 53.98

j,j': 47.06,

k,k': 12.00

