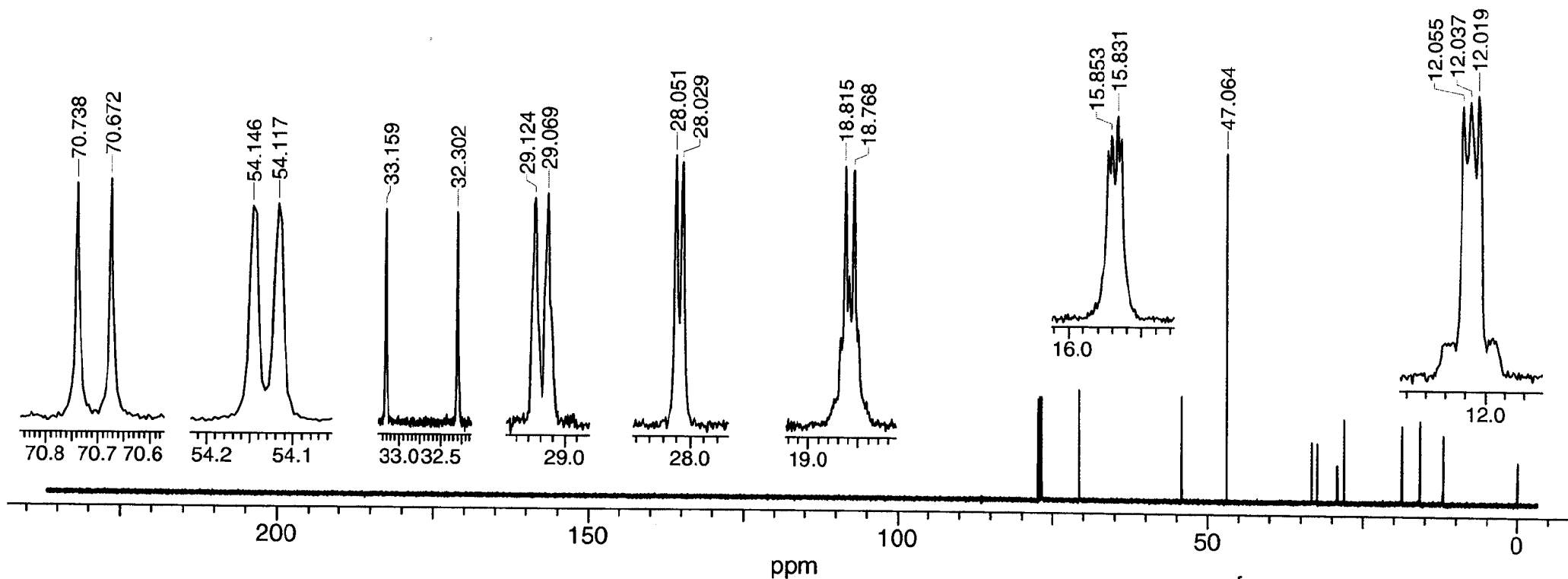


Isobutyl S-2-diethylaminoethyl isopropylphosphonothiolate

$^{13}\text{C}\{^1\text{H}\}$

7-3-689



Res.freq: 125.697 MHz

Solvent: CDCl_3

Temperature: 28°C

Concentration: 0.077 $\mu\text{l}/\mu\text{l}$

Reference: TMS [internal]

Spectral Width: 31298.9 Hz

Data points [Fid]: 115712

Data Points [Spectrum]: 256K

Pulse Width: 3.5 μs [45°]

Number of Scans: 1024

Line Broadening: exp. 0.5 Hz

Rep.time: 1.85 s

Resolution: 0.8 Hz (TMS)

Instrument: Varian INOVA 500

UnMeir

nuc δ [ppm]

a: 12.02-12.06

b: 47.06

c: 54.13

d: 28.04

e: 32.73

f,f': 15.84, 15.85

g: 70.71

h: 29.10

i,i': 18.77, 18.82

J[Hz]

$J(\text{c},\text{P}) = 3.6$

$J(\text{d},\text{P}) = 2.8$

$J(\text{e},\text{P}) = 107.7$

$J(\text{f},\text{P}) = J(\text{f}',\text{P}) = 4.1$

$J(\text{g},\text{P}) = 8.3$

$J(\text{h},\text{P}) = 6.9$

