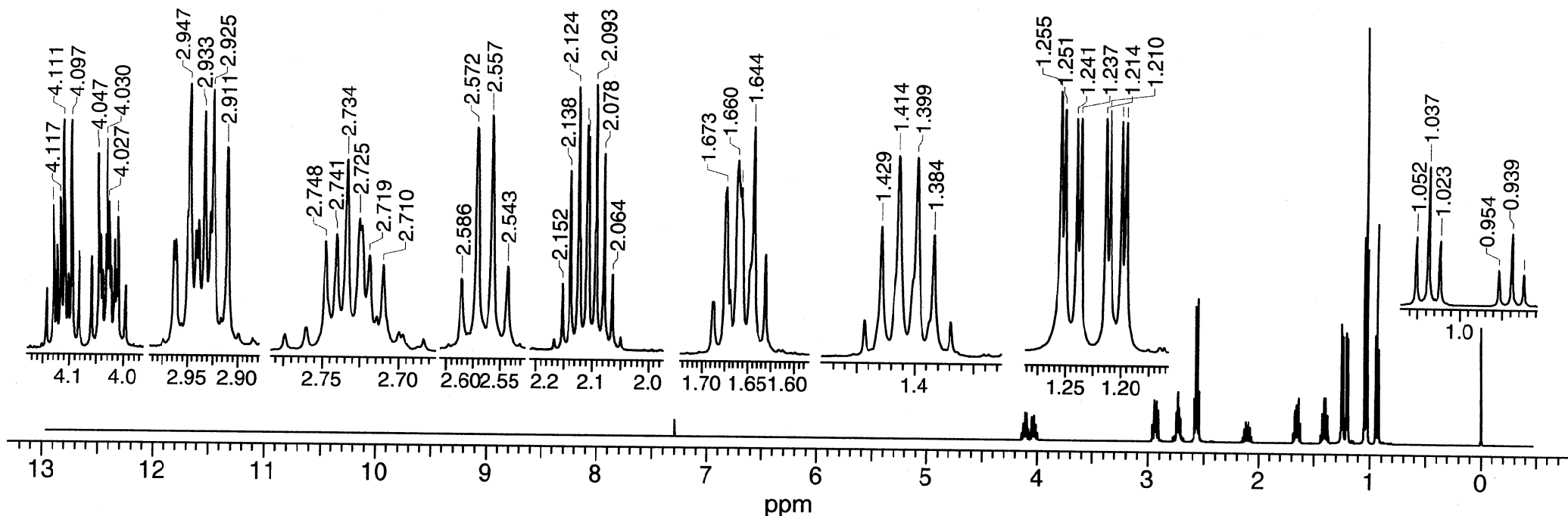


Butyl S-2-diethylaminoethyl isopropylphosphonothiolate

¹H NMR

7-3-760



Res.freq: 499.83 MHz
 Solvent: CDCl₃
 Temperature: 28°C
 Concentration: 0.077 μl/μl
 Reference: TMS [internal]
 Spectral Width: 6712.5 Hz
 Data points [Fid]: 56360
 Data Points [Spectrum]: 64K

Pulse Width: 1.7 μs [24°]
 Number of Scans: 16
 Line Broadening: no
 Rep.time: 4.2 s
 Resolution: 0.6 Hz (TMS)
 Instrument: Varian INOVA 500

Um Mein

nuc δ[ppm]
 a: 0.939
 b: 1.407
 c: 1.631-1.688
 d,d': 3.997-4.060, 4.084-4.144
 e: 2.108
 f,f': 1.224, 1.228
 g: 2.911-2.964
 h: 2.683-2.774
 i: 2.565
 j: 1.037

J[Hz]
 J(a,b) = 7.4

J(e,P) = 15.6, J(e,f) = 7.0
 J(f,P) = J(f',P) = 20.3, J(f,e) = 7.0, J(f',e) = 7.2

J(i,j) = 7.2

