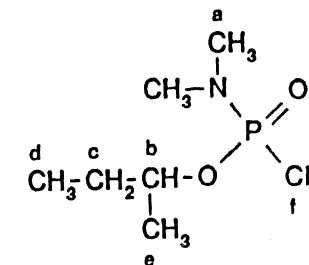


sec-Butyl N,N-dimethylphosphoramidocyanidate

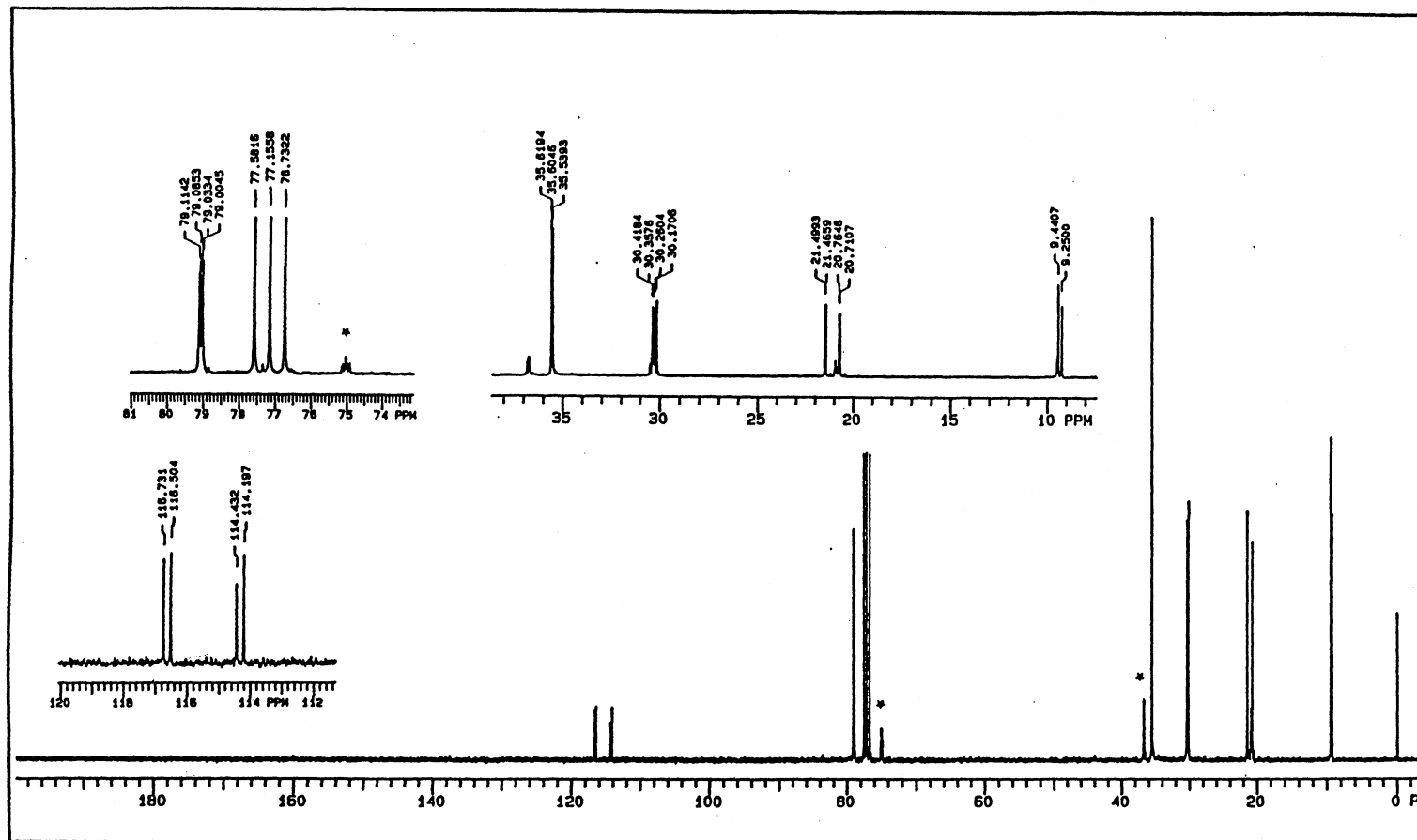
[]

 $^{13}\text{C}\{\text{H}\}\text{-NMR}$ 

nuc.	δ [ppm]
a	35.57, 35.58
b	79.04, 79.07
c	30.21, 30.38
d	9.25, 9.44
e	21.48, 20.73
f	115.35, 115.58

J(a,P)	5.0, 5.0 Hz
J(b,P)	6.1, 6.1 Hz
J(c,P)	6.9, 4.9 Hz
J(e,P)	4.3, 2.7 Hz
J(f,P)	174.2, 173.7 Hz

mixture of diastereomers



Res. freq. 75.429 MHz
 Solvent: CDCl_3
 Temperature: 24°C
 Concentration: approx. 100mg/ml
 Reference: TMS (internal)

Spectral width: 16502 Hz
 Data points (FID): 54080
 Data points (spec.): 32K
 Pulse width: 5.6 μs (38°)
 Number of scans: 12000

Rep.time.: 1.64 s
 Line broad.: exp., 0.5 Hz
 Resolution: 0.75 Hz (TMS)
 Instrument: Varian VXR-300
 Filename: