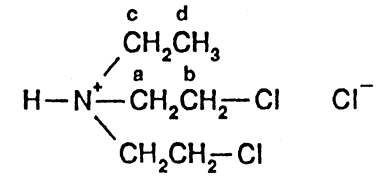
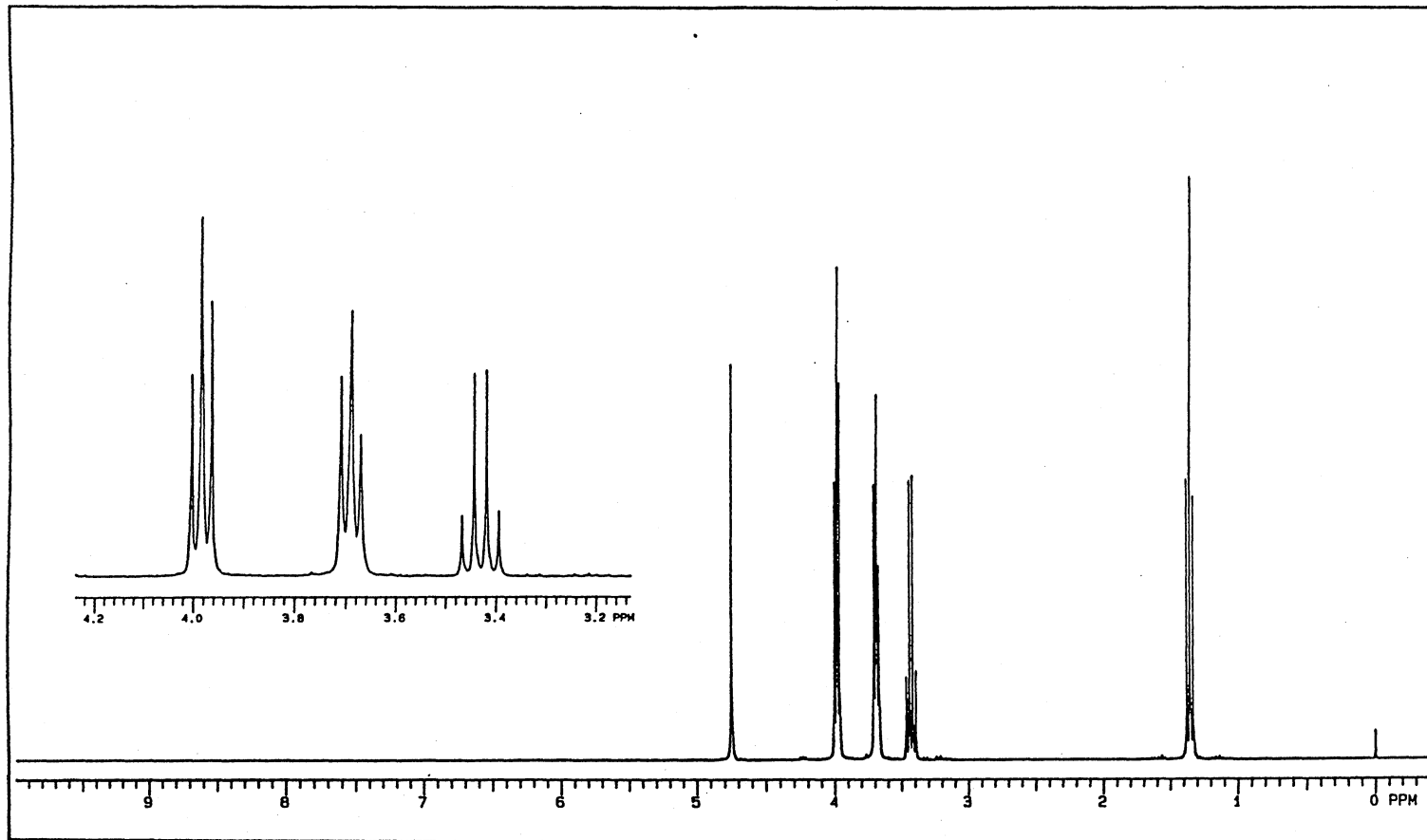


Bis(2-chloroethyl)ethylamine hydrochloride

[3590-07-6] (hydrochloride)

[538-07-8] (base)

¹H-NMR

nuc. δ [ppm]

a 3.69

b 3.98

c 3.43

d 1.35

J(a,b) 6.1 Hz

J(c,d) 7.3 Hz

Res. freq. 299.944 MHz
 Solvent: D2O
 Temperature: 24°C
 Concentration: approx. 50 mg/ml
 Reference: TSPA-d₄ (internal)

Spectral width: 4000 Hz
 Data points (FID): 33600
 Data points (spec.): 32K
 Pulse width: 7 μs (24°)
 Number of scans: 37

Rep.time.: 4.20 s
 Line broad.: not used
 Resolution: 0.55 Hz (TSPA-d₄)
 Instrument: Varian VXR-300
 Filename: