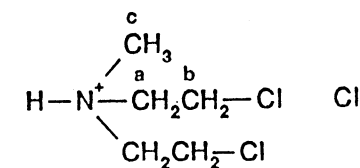
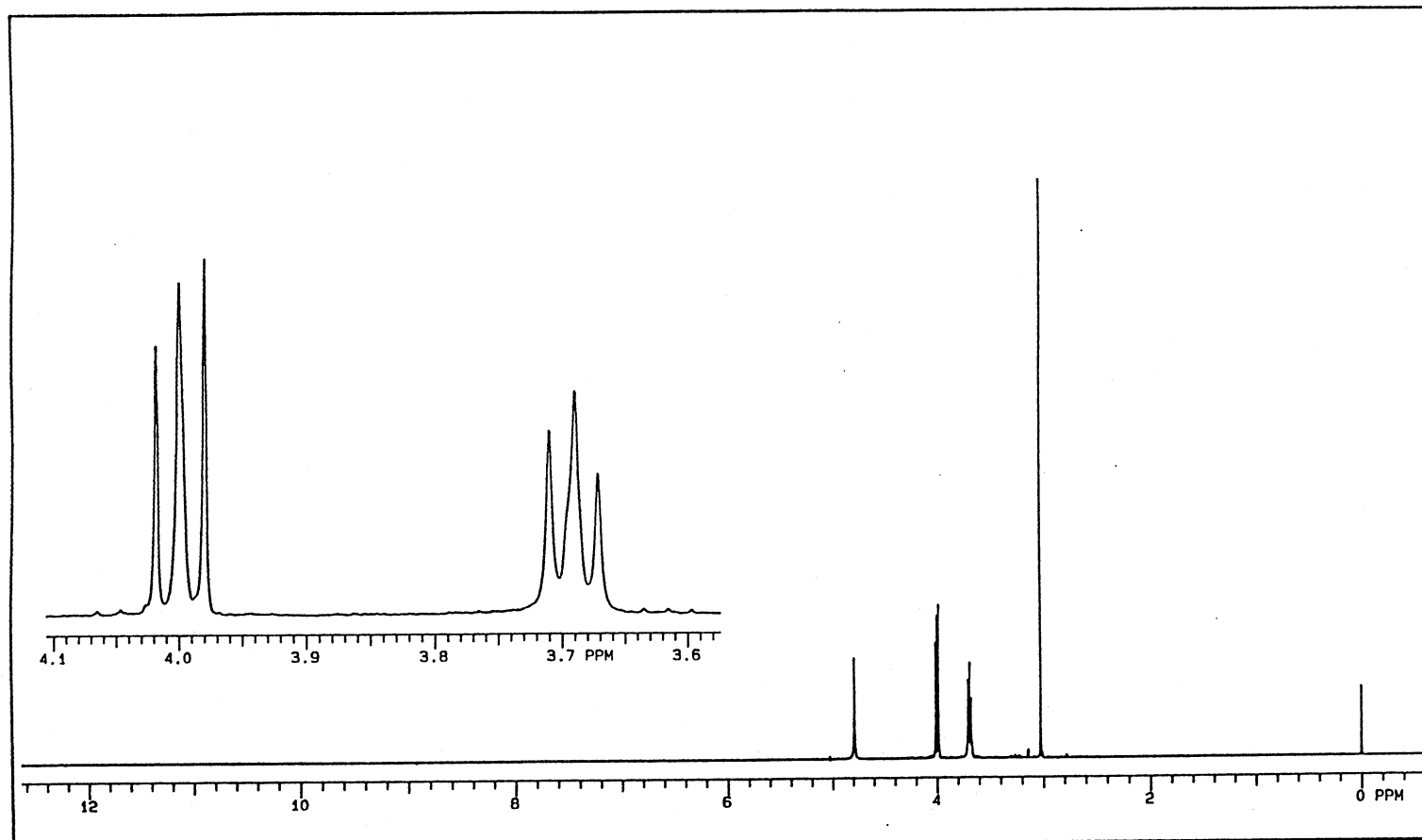


**Bis(2-chloroethyl)methylamine hydrochloride**

[55-86-7] (hydrochloride)

[51-75-2] (base)

<sup>1</sup>H-NMR

nuc.    δ [ppm]

a	3.69
b	3.98
c	3.03

J(a,b) 5.8 Hz

Res. freq. 299.944 MHz  
 Solvent: D<sub>2</sub>O (pH 4.5)  
 Temperature: 24°C  
 Concentration: 50mg/ml  
 Reference: TSPA-d<sub>4</sub> (internal)

Spectral width: 4000 Hz  
 Data points (FID): 33600  
 Data points (spec.): 32K  
 Pulse width: 7 μs (24°)  
 Number of scans: 11

Rep.time.: 4.20 s  
 Line broad.: not used  
 Resolution: 0.53 Hz (TSPA-d<sub>4</sub>)  
 Instrument: Varian VXR-300  
 Filename: