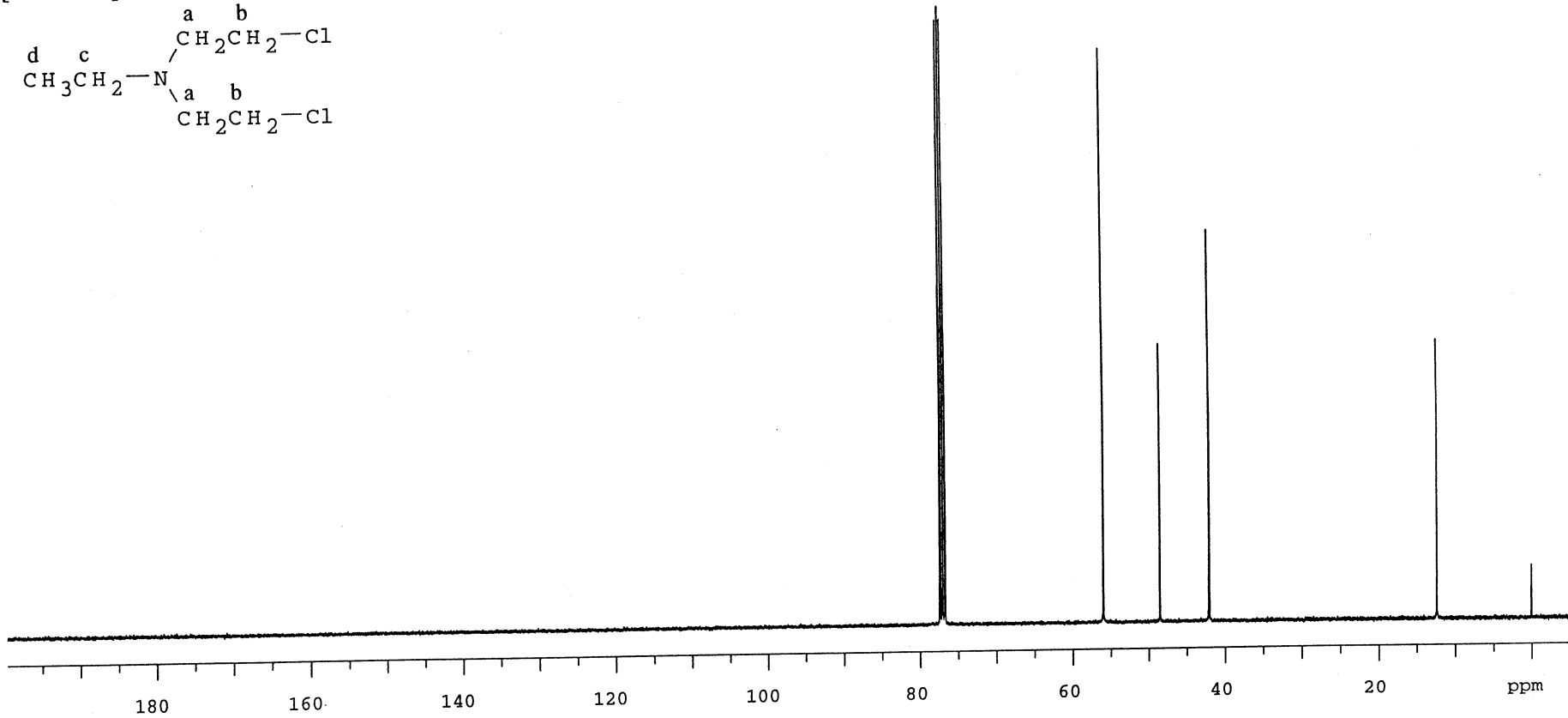
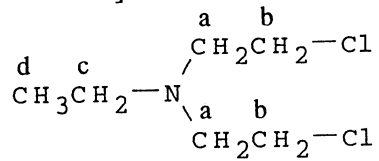


¹³C{¹H} NMR

HN-1 (Bis(2-chloroethyl)ethylamine)

[538-07-8]



Solvent:	CDCl ₃	Flip angle; Pulse width:	32 °; 2.6 μs	nuc.	δ [ppm]
Concentration:	30 μl/0.8 ml	No. of scans; Rep. time:	4096; 3.6 s	a	55.97
Reference substance:	TMS	Weighting; Line broad.:	exp.; 0.5 Hz	b	42.08
Sample temperature:	29.0 °C	Spectral resolution:	0.6 Hz (TMS)	c	48.52
Resonance frequency:	100.624 MHz	Instrument:	Bruker AMX-400	d	12.35
Spectral width:	23809.5 Hz	Source reference:	960220-3040		
Data points (FID; spec.):	64 k; 64 k	Signature:	<i>Markku Mesilaakso</i>		
			Markku Mesilaakso		

OPCW Code:05-3-0087(p1/1)