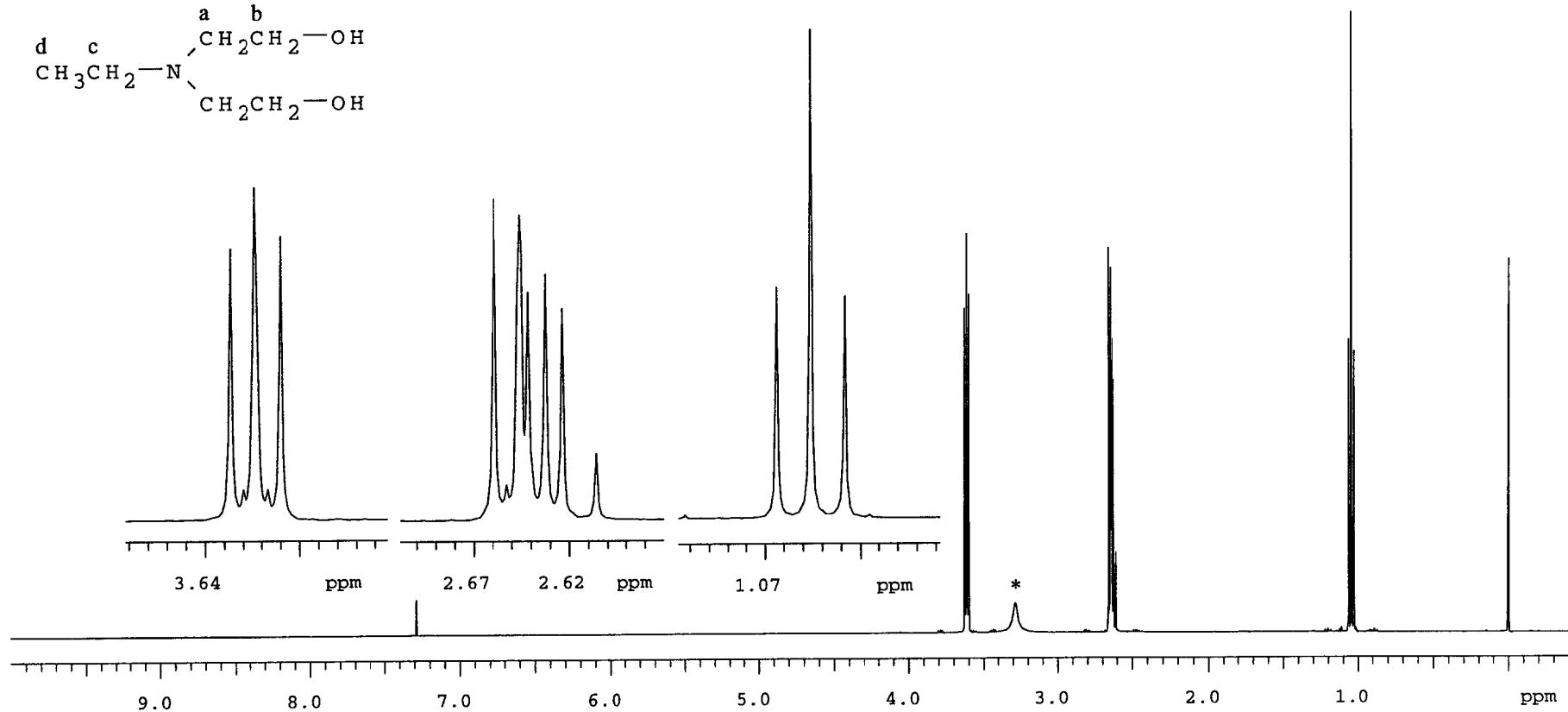
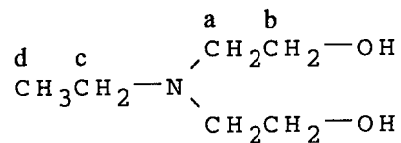


5-3-169:r

 $^1\text{H NMR}$ **Ethyldiethanolamine**

[139-87-7]



Solvent:	CDCl_3	Flip angle; Pulse width:	45° ; $6.0 \mu\text{s}$	nuc.	δ [ppm]	J [Hz]
Concentration:	$40 \mu\text{l} / 0.8 \text{ ml}$	No. of scans; Rep. time:	8; 23.4 s	a	2.646	-11.1 (a'); 4.3 (b); 6.5 (b')
Reference substance:	TMS	Weighting; Line broad.:	exp.; 0.1 Hz	b	3.613	-13.4 (b')
Sample temperature:	29.9°C	Spectral resolution:	0.2 Hz (TMS)	c	2.633	7.1 (d)
Resonance frequency:	400.132 MHz	Instrument:	Bruker AMX-400	d	1.042	
Spectral width:	4424.8 Hz	Source reference:	970201-3774			
Data points (FID; spec.):	64 k; 64 k	Signature:	<i>Markku Mesilaakso</i>			Iterative analysis
			Markku Mesilaakso			

OPCW Code: 05-3-0169:r (P1/1)