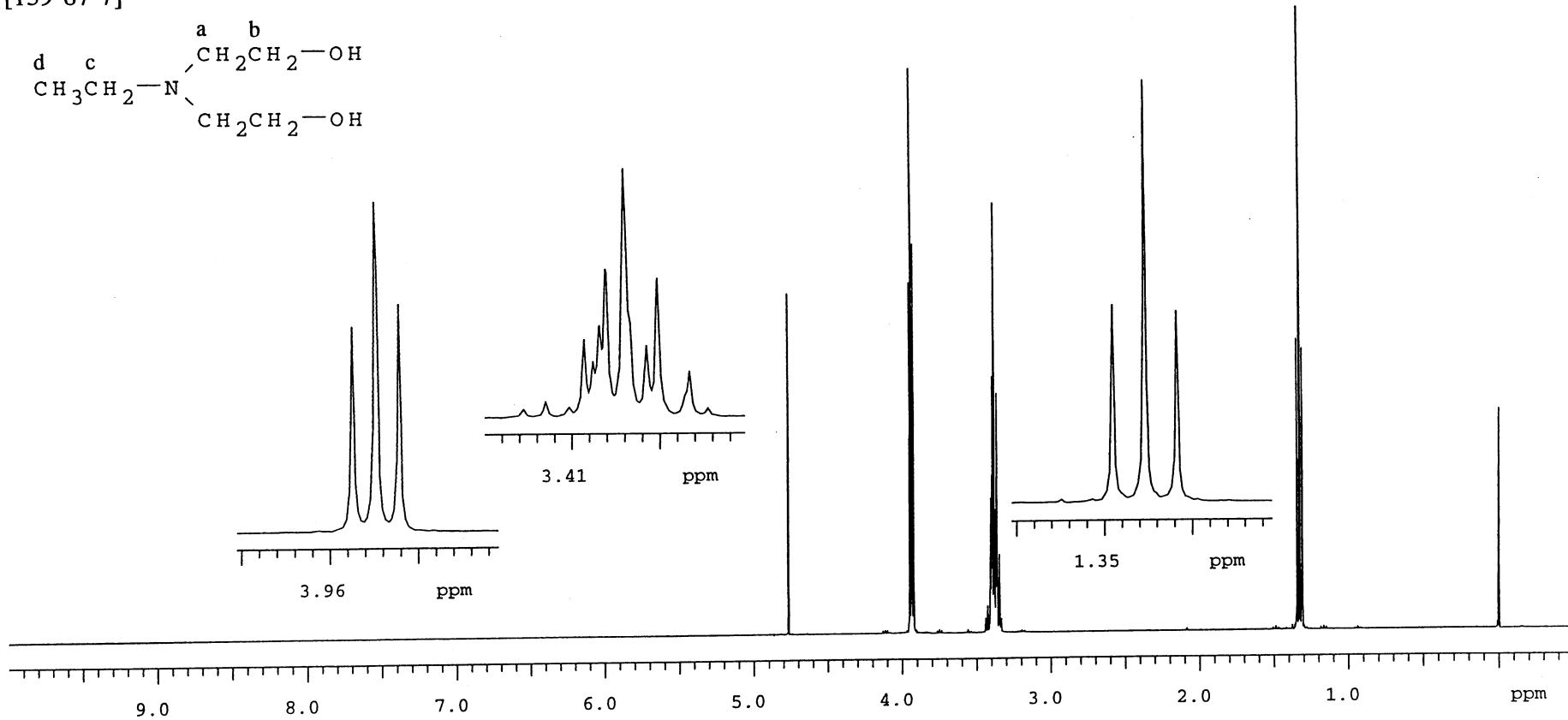
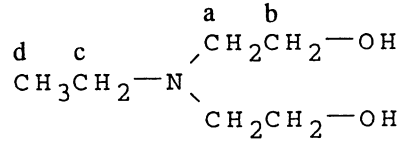


<sup>1</sup>H NMR

Ethyldiethanolamine

[139-87-7]



Solvent: D<sub>2</sub>O; pH 0.5  
Concentration: 20 µl/ 0.8 ml  
Reference substance: TSP-d<sub>4</sub>  
Sample temperature: 29.9 °C  
Resonance frequency: 400.132 MHz  
Spectral width: 4424.8 Hz  
Data points (FID; spec.): 64 k; 64 k

Flip angle; Pulse width: 45 °; 5.9 µs  
No. of scans; Rep. time: 16; 23.4 s  
Weighting; Line broad.: exp.; 0.1 Hz  
Spectral resolution: 0.3 Hz (TSP-d<sub>4</sub>)  
Instrument: Bruker AMX-400  
Source reference: 970202-3779  
Signature: *Markku Mesilaakso*  
Markku Mesilaakso

nuc.	δ [ppm]	J [Hz]
a	3.391	5.3 Hz splitting (AA'XX' type triplet)
b	3.934	5.3 Hz splitting (AA'XX' type triplet)
c	3.370	7.3 (d)
d	1.327	