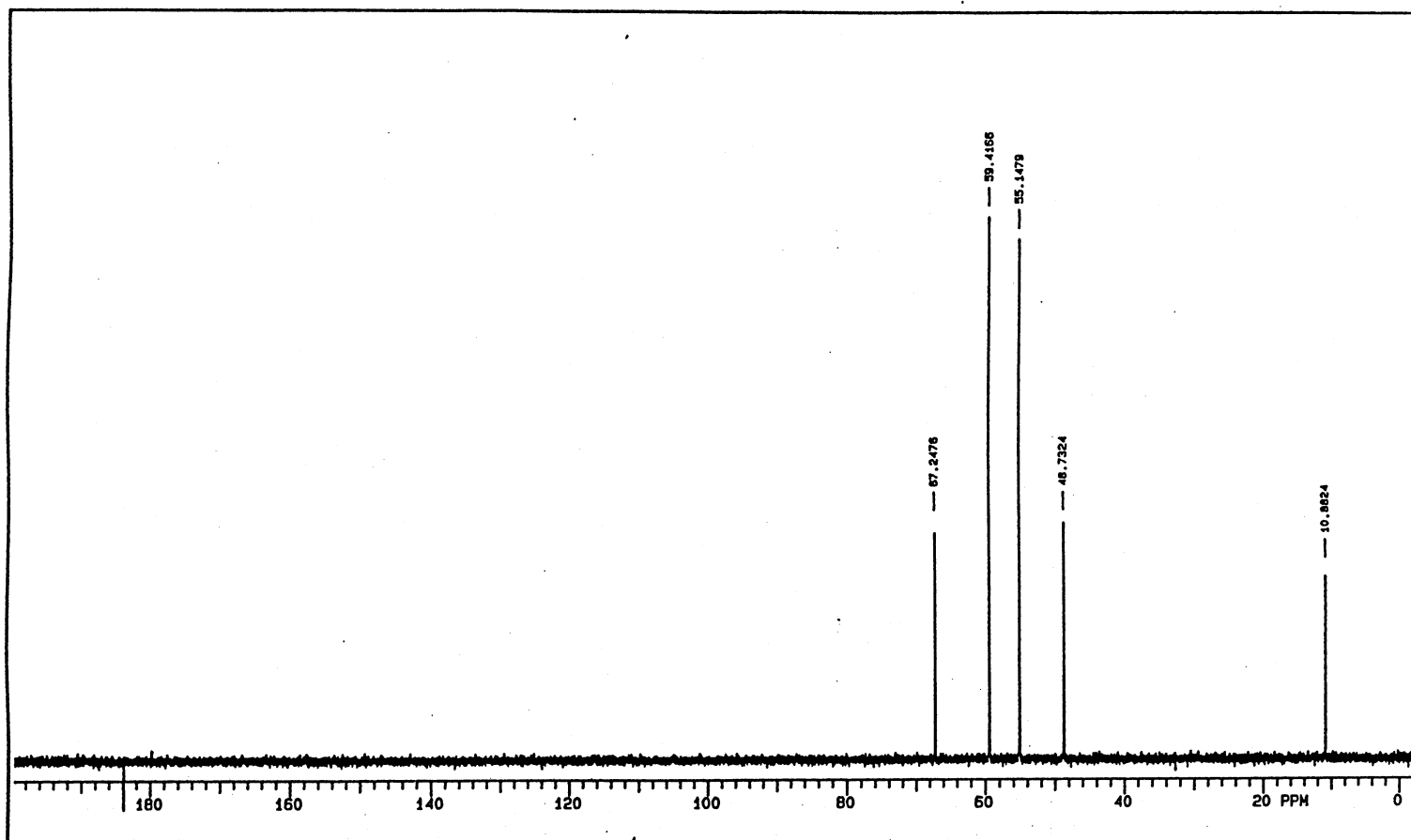
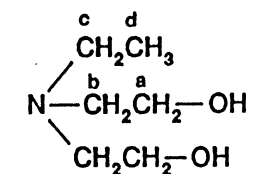


## Ethyl-bis(2-hydroxyethyl)amine

[139-87-7]

 $^{13}\text{C}\{\text{H}\}$ -NMR

nuc.	$\delta$ [ppm]
a	59.42
b	55.15
c	48.73
d	10.88

Res. freq. 75.429 MHz  
 Solvent: D2O  
 Temperature: 24°C  
 Concentration: approx. 100mg/ml  
 Reference: dioxane  
 (67.25ppm, internal)

Spectral width: 17699 Hz  
 Data points (FID): 65472  
 Data points (spec.): 32K  
 Pulse width: 5.6  $\mu\text{s}$  (38°)  
 Number of scans: 262

Rep.time.: 1.85 s  
 Line broad.: exp., 0.5 Hz  
 Resolution: 1.29 Hz (dioxane)  
 Instrument: Varian VXR-300  
 Filename: