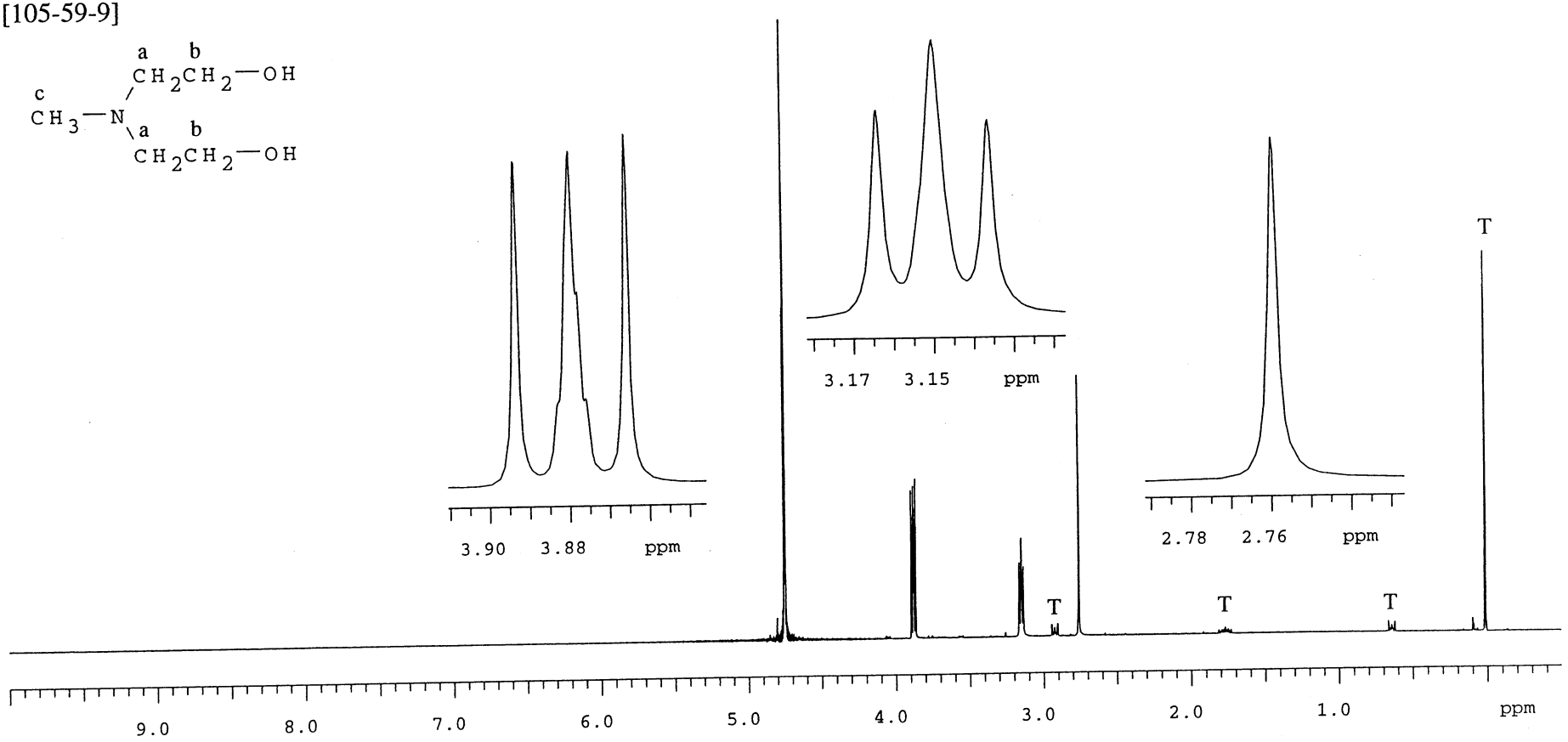
$^1$H NMR

# Methyldiethanolamine

[105-59-9]




| | |
|---|---|
| Solvent: | $D_2O$; pH 8.7 |
| Concentration: | 6.2 mg/ 0.7 ml |
| Reference substance: | TSPSA |
| Sample temperature: | 25.5 °C |
| Resonance frequency: | 400.132 MHz |
| Spectral width: | 4717.0 Hz |
| Data points (FID; spec.): | 32 k; 64 k |

| | |
|---|---|
| Flip angle; Pulse width: | 45 °; 6.7 µs |
| No. of scans; Rep. time: | 32; 19.5 s |
| Weighting; Line broad.: | exp.; 0.1 Hz |
| Spectral resolution: | 0.3 Hz (TSPSA) |
| Instrument: | Bruker AMX-400 |
| Source reference: | 940527-1540 |
| Signature: | Markku Mesilaakso |

| nuc. | δ [ppm] | J [Hz] |
|---|---|---|
| a | 3.150 | 5.6 splitting (AA'XX' type triplet) |
| b | 3.878 | 5.6 splitting (AA'XX' type triplet) |
| c | 2.759 | |

T = TSPSA; δ(TSPSA) = 0.015 vs. δ(TSP-$d_4$) = 0.000