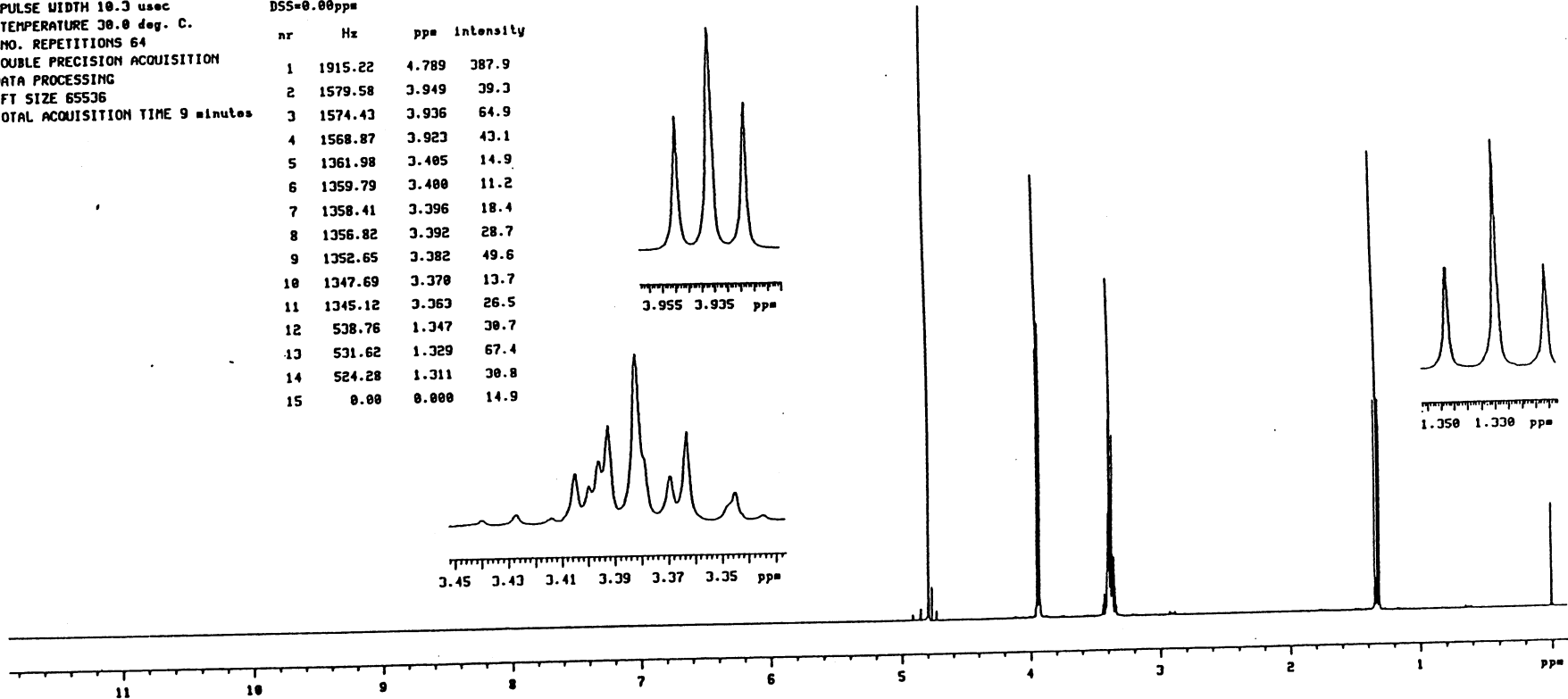


1H-NMR h1e06a2 + dr DCI + DSS
 ethyldiethanolamine in D2O
 214195126.005 jrn.307;026/200
 OBSERVE H1
 FREQUENCY 399.958 MHz
 SPECTRAL WIDTH 6499.8 Hz
 ACQUISITION TIME 5.041 sec
 RELAXATION DELAY 3.000 sec
 PULSE WIDTH 10.3 usec
 TEMPERATURE 30.0 deg. C.
 NO. REPETITIONS 64
 DOUBLE PRECISION ACQUISITION
 DATA PROCESSING
 FT SIZE 65536
 TOTAL ACQUISITION TIME 9 minutes

1H-NMR h1e06a2 + dr DCI + DSS
 ethyldiethanolamine in D2O
 214195126.005 jrn.307;026/200

SPECTRAL LINES for th=9.9
 rfl= 1345.3 rfp= 0.0
 file=h1e06a2
 DSS=0.00ppm

| nr | Hz | ppm | intensity |
|----|---------|-------|-----------|
| 1 | 1915.22 | 4.789 | 387.9 |
| 2 | 1579.58 | 3.949 | 39.3 |
| 3 | 1574.43 | 3.936 | 64.9 |
| 4 | 1568.87 | 3.923 | 43.1 |
| 5 | 1361.98 | 3.405 | 14.9 |
| 6 | 1359.79 | 3.400 | 11.2 |
| 7 | 1358.41 | 3.396 | 18.4 |
| 8 | 1356.82 | 3.392 | 28.7 |
| 9 | 1352.65 | 3.382 | 49.6 |
| 10 | 1347.69 | 3.378 | 13.7 |
| 11 | 1345.12 | 3.363 | 26.5 |
| 12 | 538.76 | 1.347 | 30.7 |
| 13 | 531.62 | 1.329 | 67.4 |
| 14 | 524.28 | 1.311 | 30.8 |
| 15 | 0.00 | 0.000 | 14.9 |



Ethyldiethanolamine hydrochloride
 CAS 139-87-7
 Nucleus : ¹H
 Frequency : 400.0 MHz
 Concentration : ca. 75 mg/0.7 ml D₂O + DCI (pH 1)
 Reference DSS internal 0.00 ppm. Res.: 0.4 Hz (DSS)
 Instrument : Varian VXR 400S

Temperature : 30 °C
 Spectral width : 6499.8 Hz
 Data point (FID) : 64 K
 Pulse angle : 10.3 μs (60°)
 Number of pulses : 64
 Repetition time : 8.0 s
 Line broadening : not used
 Data points (spec) : 64 K

a: 3.94 ppm J(ab) : ca 5.4 Hz
 b: ca 3.38 ppm J(cd) : 7.2 Hz
 c: ca 3.38 ppm
 d: 1.33 ppm