H-NMR hic38a2 + dr. dioxaan
9508GM12A in D2O
213194534 jrn.271;163/200
OBSERVE H1
FREQUENCY 399.959 MHz
SPECTRAL WIDTH 6499.8 Hz
ACQUISITION TIME 5.041 sec
RELAXATION DELAY 3.000 sec
PULSE WIDTH 16.5 usec
TEMPERATURE 30.0 deg. C.
NO. REPETITIONS 388
DOUBLE PRECISION ACQUISITION
DATA PROCESSING
FT SIZE 65536
TOTAL ACQUISITION TIME 52 minutes

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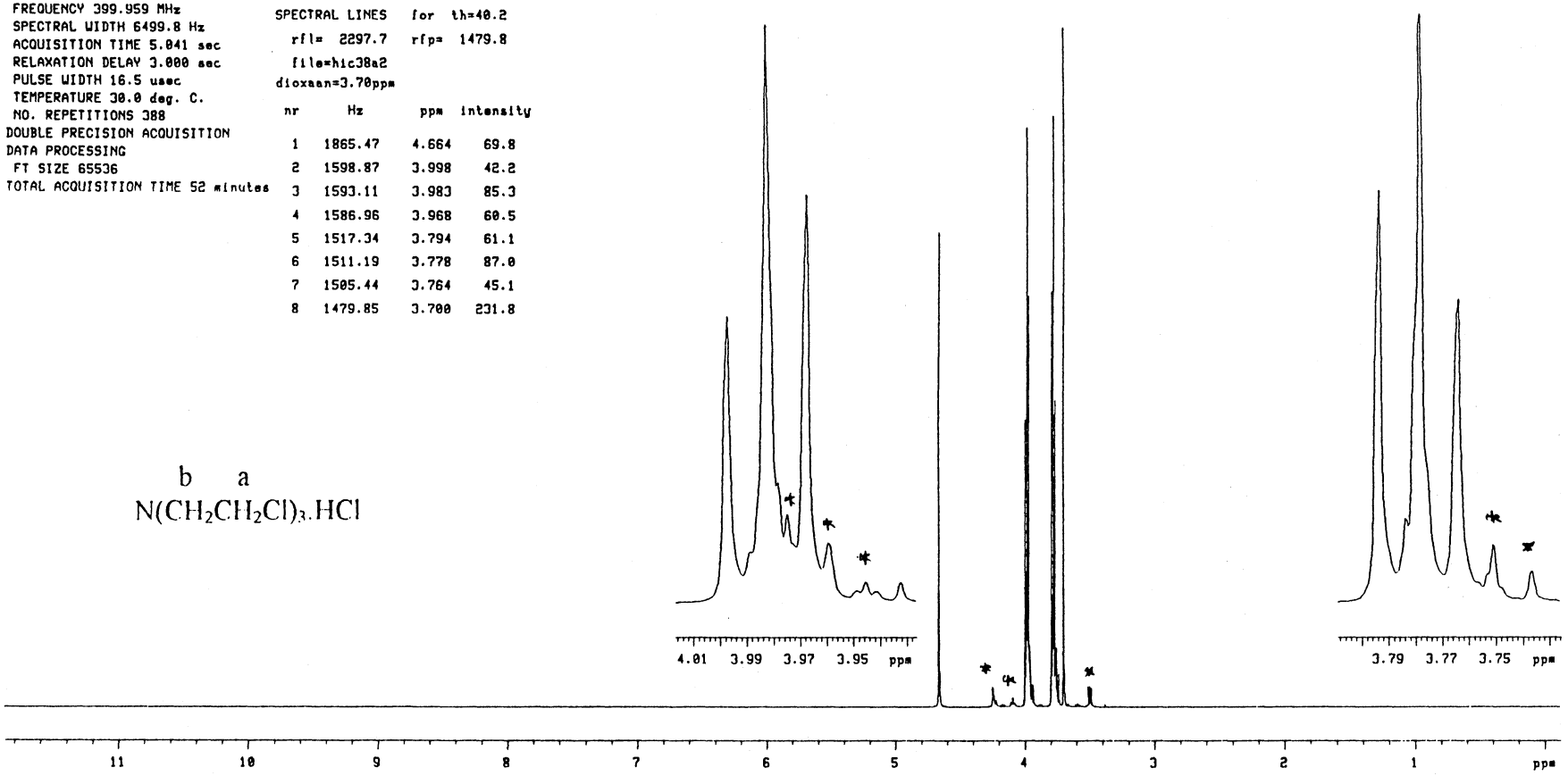
SPECTRAL LINES for th=40.2
rfl= 2297.7 rfp= 1479.8
file=hic38a2
dioxaan=3.70ppm

nr	Hz	ppm	intensity
1	1865.47	4.664	69.8
2	1598.87	3.998	42.2
3	1593.11	3.983	85.3
4	1586.96	3.968	60.5
5	1517.34	3.794	61.1
6	1511.19	3.778	87.0
7	1505.44	3.764	45.1
8	1479.85	3.700	231.8

b a
$N(CH_2CH_2Cl)_3.HCl$



Tris(2-chloroethyl)amine hydrochloride
CAS 817-09-4
Nucleus : ^1H
Frequency : 400.0 MHz
Concentration : ca. 16 mg/0.7 ml D_2O (pH=1)
Ref. p-dioxane int. 3.70 ppm. Res.: 0.6 Hz (p-dioxane)
Instrument : Varian VXR 400S

Temperature : 30 °C
Spectral width : 6499.8 Hz
Data point (FID) : 64 K
Pulse angle : 16.5 µs (60°)
Number of pulses : 388
Repetition time : 8.0 s
Line broadening : not used
Data points (spec) : 64 K

a: 3.98 ppm J(ab) : ca 6 Hz
b: 3.78 ppm