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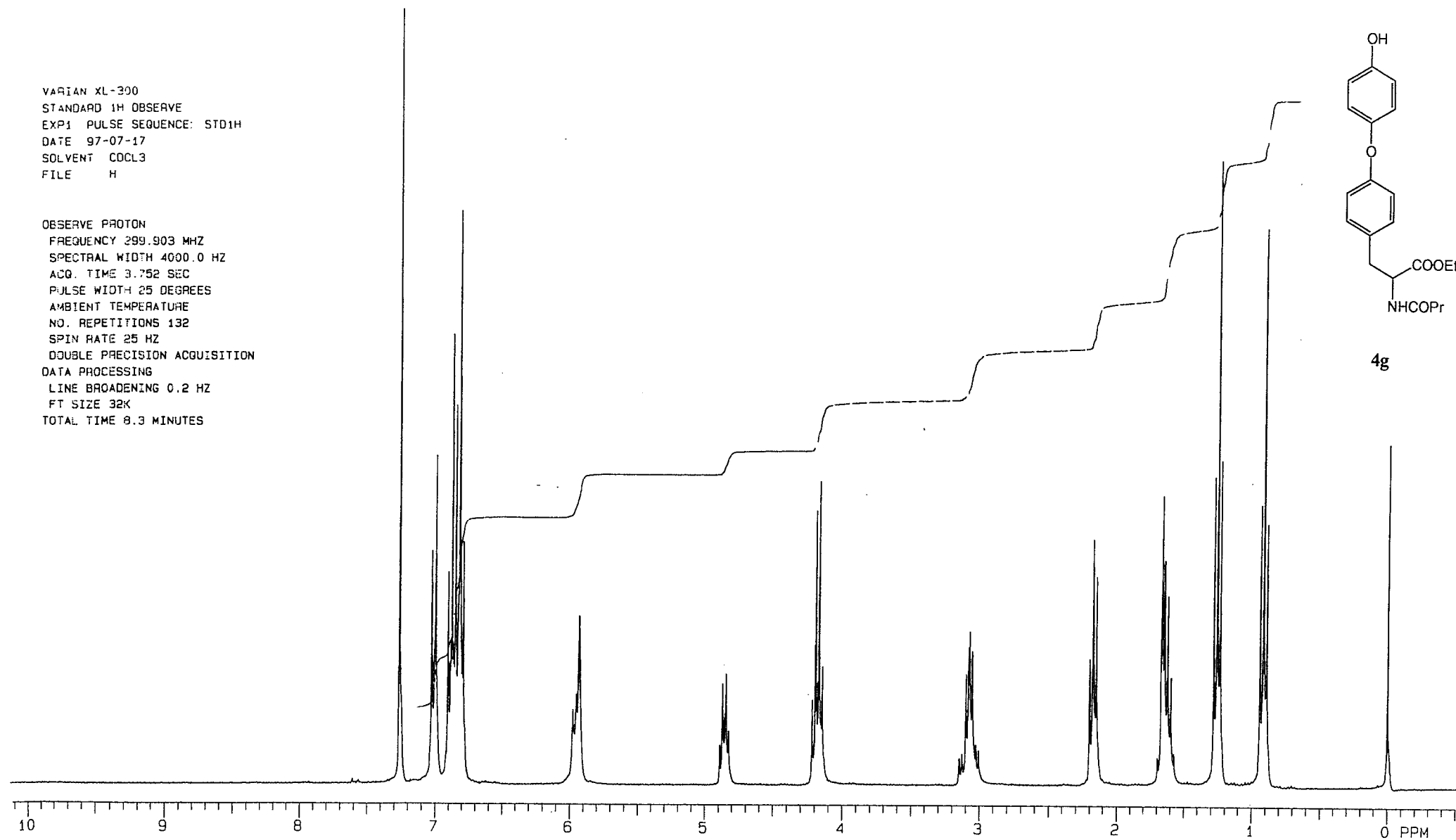
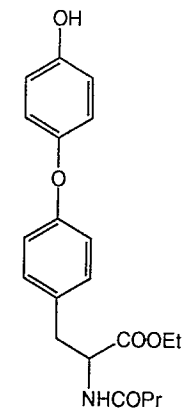
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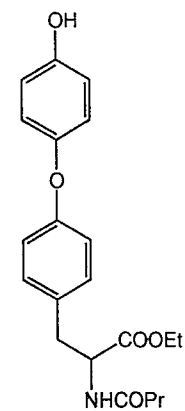
VARIAN XL-300
STANDARD 1H OBSERVE
EXP1 PULSE SEQUENCE: STD1H
DATE 97-07-17
SOLVENT CDCL3
FILE H

OBSERVE PROTON
FREQUENCY 299.903 MHZ
SPECTRAL WIDTH 4000.0 HZ
ACQ. TIME 3.752 SEC
PULSE WIDTH 25 DEGREES
AMBIENT TEMPERATURE
NO. REPETITIONS 132
SPIN RATE 25 HZ
DOUBLE PRECISION ACQUISITION
DATA PROCESSING
LINE BROADENING 0.2 HZ
FT SIZE 32K
TOTAL TIME 8.3 MINUTES



VARIAN XL-300 13C OBSERVE
EXP2 PULSE SEQUENCE: STD13C
DATE 97-07-17
SOLVENT CDCL3
FILE C

OBSERVE CARBON
FREQUENCY 75.419 MHZ
SPECTRAL WIDTH 16501.7 HZ
ACQ. TIME 0.909 SEC
RELAXATION DELAY 2.0 SEC
PULSE WIDTH 46 DEGREES
AMBIENT TEMPERATURE
NO. REPETITIONS 1500
DECOUPLE PROTON
LOW POWER 0 DB
WALTZ-16 MODULATED
CONTINUOUS DECOUPLING
SPIN RATE 25 HZ
DOUBLE PRECISION ACQUISITION
DATA PROCESSING
LINE BROADENING 1.0 HZ
FT SIZE 32K
TOTAL TIME 1 HOUR
17.6 MINUTES



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