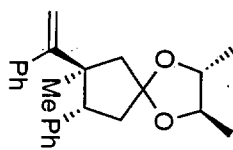


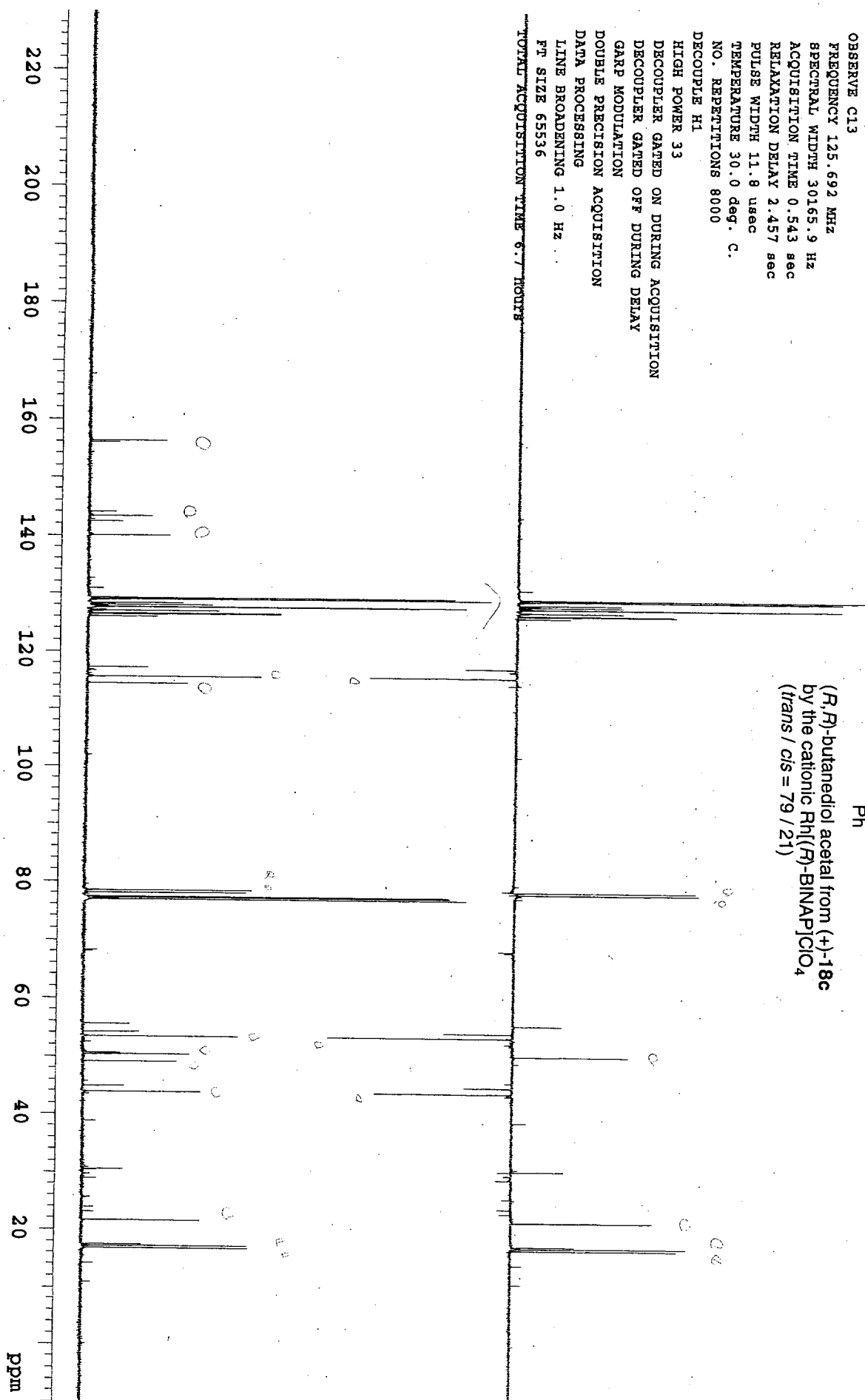
MI-166, dept
PULSE SEQUENCE dept
DATE Aug 2 99
SOLVENT CDCl3
OBSERVE C13

FREQUENCY 125.692 MHz
SPECTRAL WIDTH 30165.9 Hz
ACQUISITION TIME 0.543 sec
RELAXATION DELAY 2.457 sec
PULSE WIDTH 11.8 usec
TEMPERATURE 30.0 deg. C.
NO. REPEATITIONS 8000
DECOUPLE H1

HIGH POWER 33
DECOUPLER GATED ON DURING ACQUISITION
DECOUPLER GATED OFF DURING DELAY
GARP MODULATION
DOUBLE PRECISION ACQUISITION
DATA PROCESSING
LINE BROADENING 1.0 Hz
FT SIZE 65536
TOTAL ACQUISITION TIME 6.7 HOURS



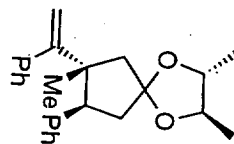
(*R,R*)-butanediol acetal from (+)-18c
by the cationic Rh[(*R*)-BINAP]ClO₄
(*trans* / *cis* = 79 / 21)



MI-219, dept
PULSE SEQUENCE dept
DATE Nov 25 99
SOLVENT CDCl3
OBSERVE C13

FREQUENCY 125.692 MHz
SPECTRAL WIDTH 27643.4 Hz
ACQUISITION TIME 0.593 sec
RELAXATION DELAY 2.407 sec
PULSE WIDTH 11.8 usec
TEMPERATURE 30.0 deg. C.
NO. REPERITIONS 3000

DECOUPLE H1
HIGH POWER 33
DECOUPLER GATED ON DURING ACQUISITION
DECOUPLER GATED OFF DURING DELAY
GARP MODULATION
DOUBLE PRECISION ACQUISITION
DATA PROCESSING
LINE BROADENING 1.0 Hz
FT SIZE 65536
TOTAL ACQUISITION TIME 2.5 HOURS



(*R,R*)-butanediol acetal from (*-*)-18c
by the cationic Rh[(*S*)-BINAP]ClO₄
(*trans* / *cis* = 79 / 21)

