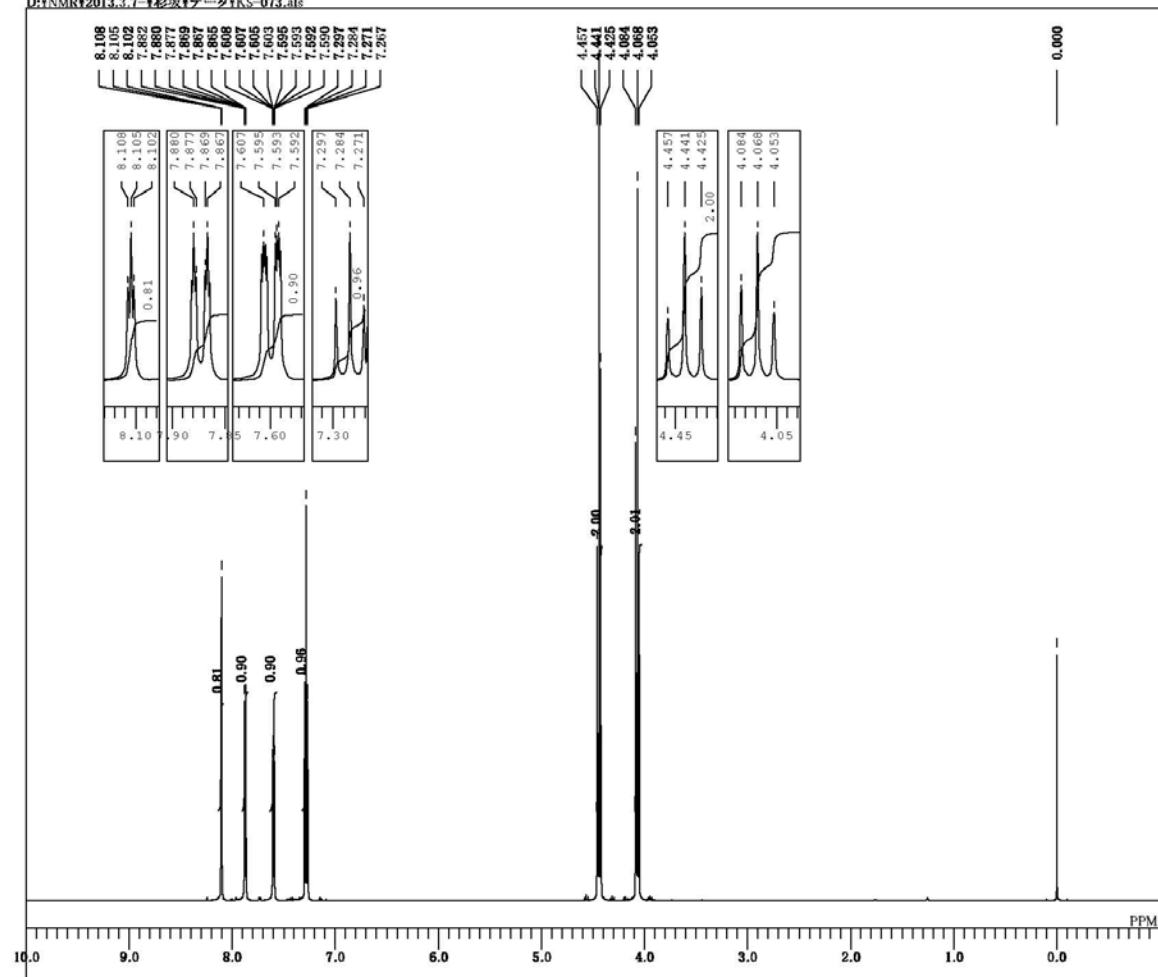
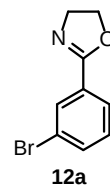


KS-073

D:\NMR\2013.3.7-ヤシタデータ\KS-073.als

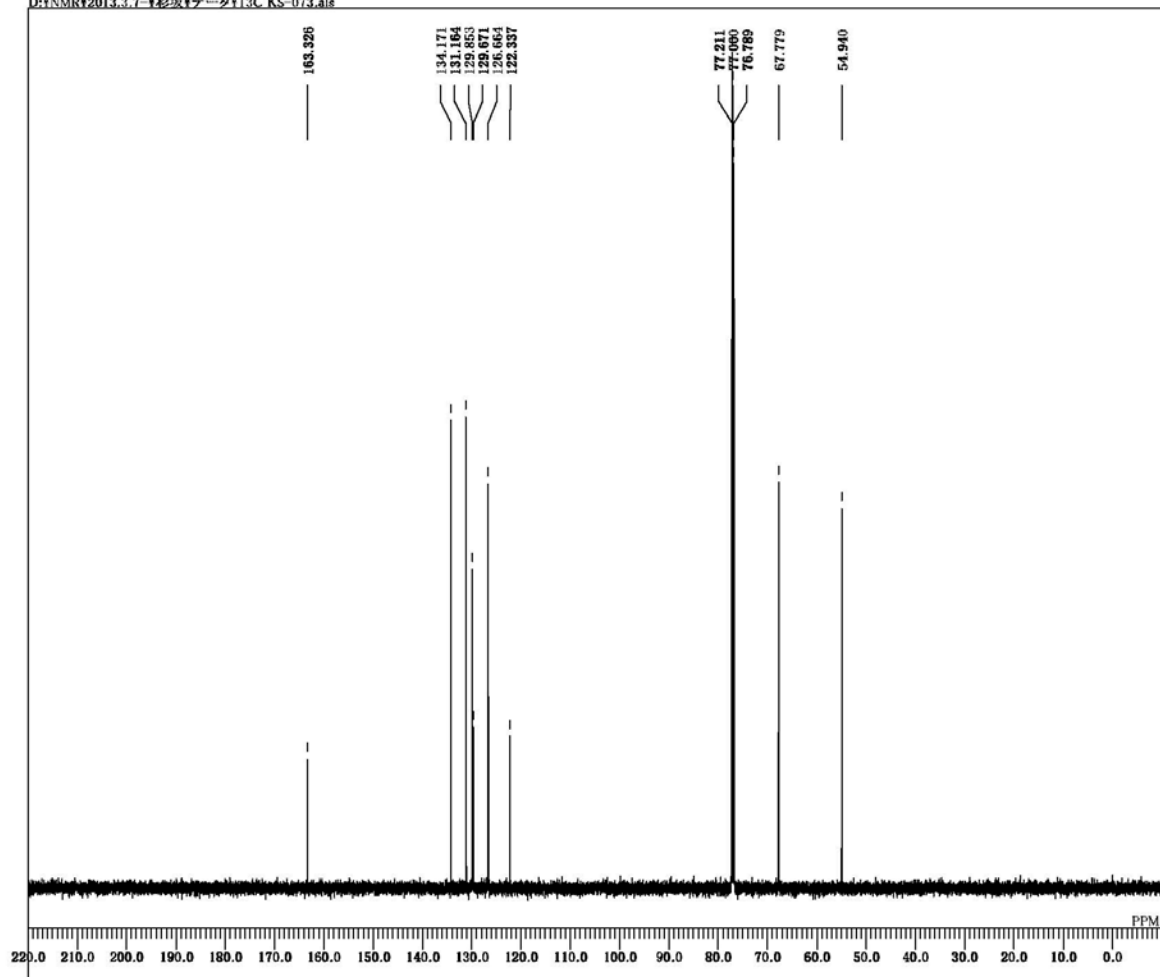


DFILE KS-073.als
COMNT KS-073
DATIM 13-03-2013 19:16:26
IH
EXMOD single_pulse.ex2
OBFRQ 600.17 MHz
OBSET 5.30 KHz
OBFIN 5.47 Hz
POINT 26214
FREQU 9008.87 Hz
SCANS 8
ACQTM 2.9098 sec
PD 2.0000 sec
PWI 6.75 usec
IH
IRNUC
CTBMP 21.2 c
SLVNT CDCL3
EXREF 0.00 ppm
BF 0.17 Hz
RGAIN 42

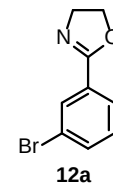


13C KS-073

D:\NMR\2013.3.7-異形体データ\13C KS-073.als

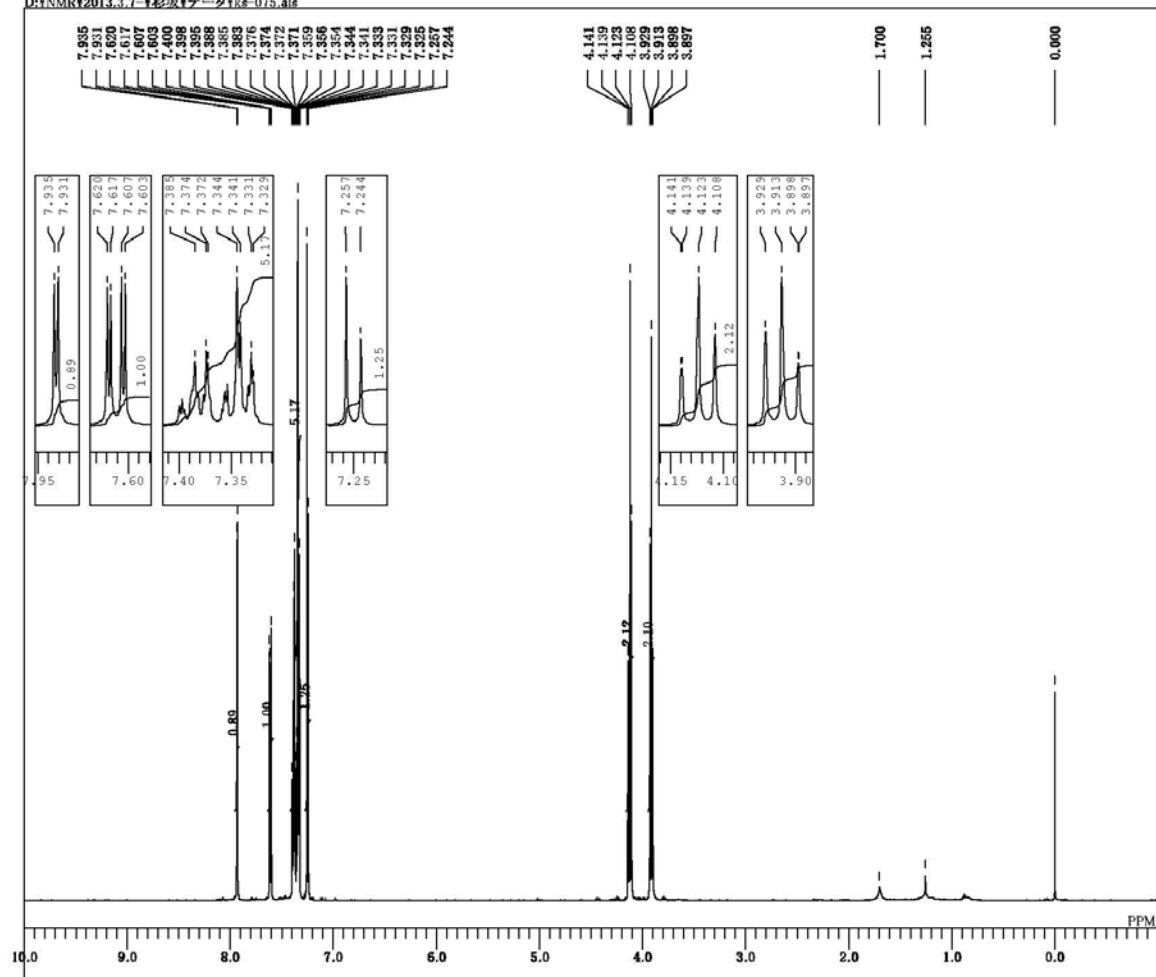


DFILE 13C KS-073.als
 COMNT 13C KS-073
 DATIM 13-03-2013 19:24:12
 OBNUC 13C
 EXMOD single_pulse_dec
 OBFRQ 150.92 MHz
 OBSET 8.52 KHz
 OBFIN 1.74 Hz
 POINT 26214
 FREQU 37878.21 Hz
 SCANS 202
 ACQTM 0.6921 sec
 PD 1.2000 sec
 PW1 2.77 usec
 IRNUC 1H
 CTBMP 21.6 c
 SLVNT CDCL3
 BXRBF 77.00 ppm
 BF 0.72 Hz
 RGAIN 56

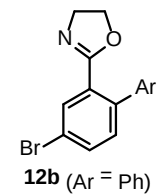


ks-075

D:\NMR\2013.3.7-異形体データ\ks-075.als

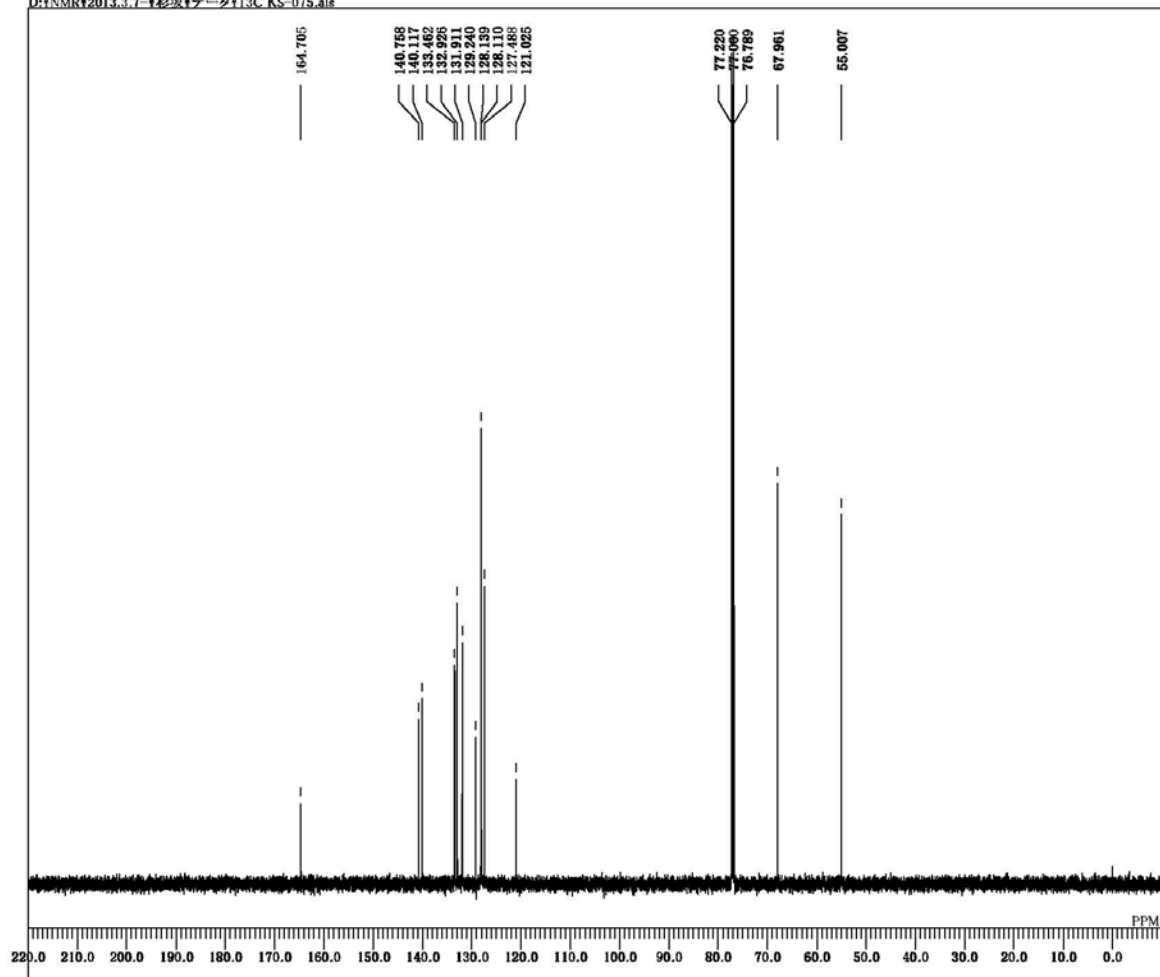


DFILE ks-075.als
 COMNT ks-075
 DATIM 13-03-2013 19:01:47
 IH
 EXMOD single_pulse.ex2
 OBFRQ 600.17 MHz
 OBSST 5.30 KHz
 OBFIN 5.47 Hz
 POINT 26214
 FREQU 9008.87 Hz
 SCANS 8
 ACQTM 2.9098 sec
 PD 2.0000 sec
 PW1 6.75 usec
 IRNUC IH
 CTBMP 21.6 c
 SLVNT CDCL3
 BXRBF 0.00 ppm
 BF 0.17 Hz
 RGAIN 40

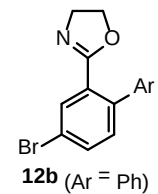


13C KS-075

D:\NMR\2013.3.7-異形体データ\13C KS-075.a1s

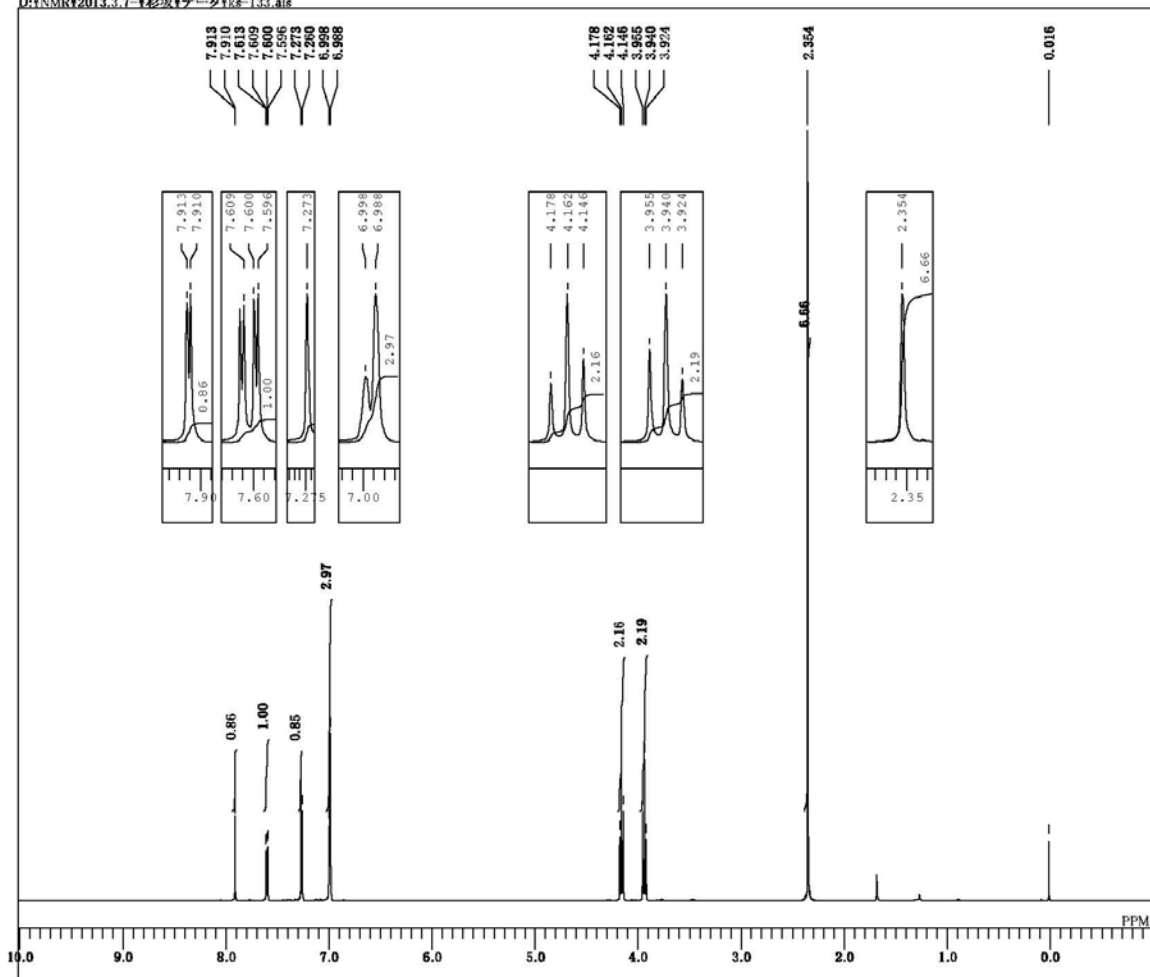


DFILE 13C KS-075.a1s
 COMNT 13C KS-075
 DATIM 13-03-2013 19:09:14
 OBNUC 13C
 EXMOD single_pulse_dec
 OBFRQ 150.92 MHz
 OBSST 8.52 KHz
 OBFIN 1.74 Hz
 POINT 26214
 FREQU 37878.21 Hz
 SCANS 202
 ACQTM 0.6921 sec
 PD 1.2000 sec
 PW1 2.77 usec
 IRNUC 1H
 CTBMP 22.0 c
 SLVNT CDCL3
 EXREF 77.00 ppm
 BF 0.72 Hz
 RGAIN 58

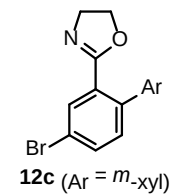


ks-133

D:\NMR\2013.3.7-異形体データ\ks-133.als

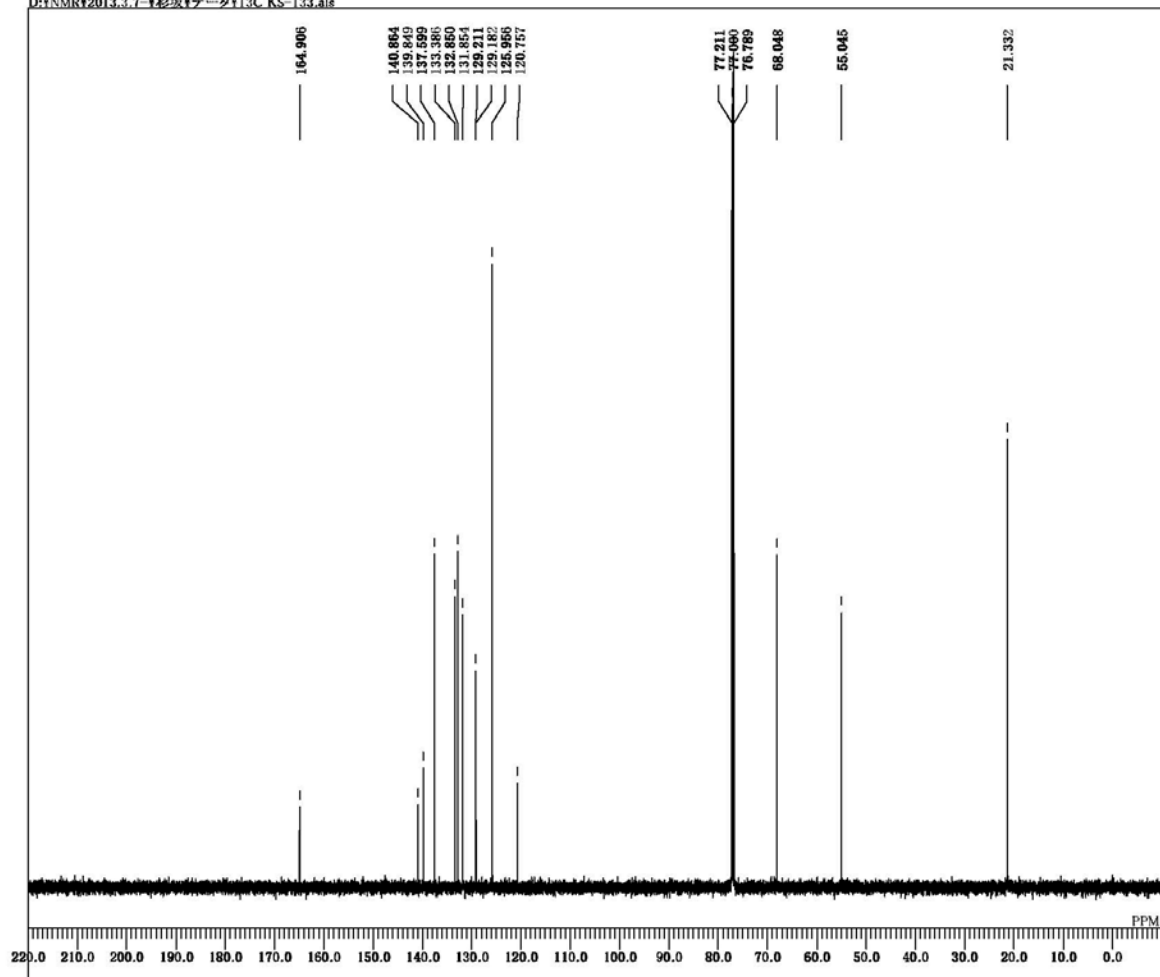


DFILE ks-133.als
 COMNT ks-133
 DATIM 13-03-2013 19:31:14
 OBNUC 1H
 EXMOD single_pulse.ex2
 OBFRQ 600.17 MHz
 OBSEF 5.30 KHz
 OBFIN 5.47 Hz
 POINT 26214
 FREQU 9008.87 Hz
 SCANS 8
 ACQTM 2.9098 sec
 PD 2.0000 sec
 PW1 6.75 usec
 IRNUC 1H
 CTBMP 20.9 c
 SLVNT CDCL3
 BXRBF 7.26 ppm
 BF 0.17 Hz
 RGAIN 38

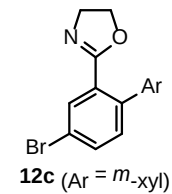


13C KS-133

D:\NMR\2013.3.7-異形体データ\13C KS-133.a1s

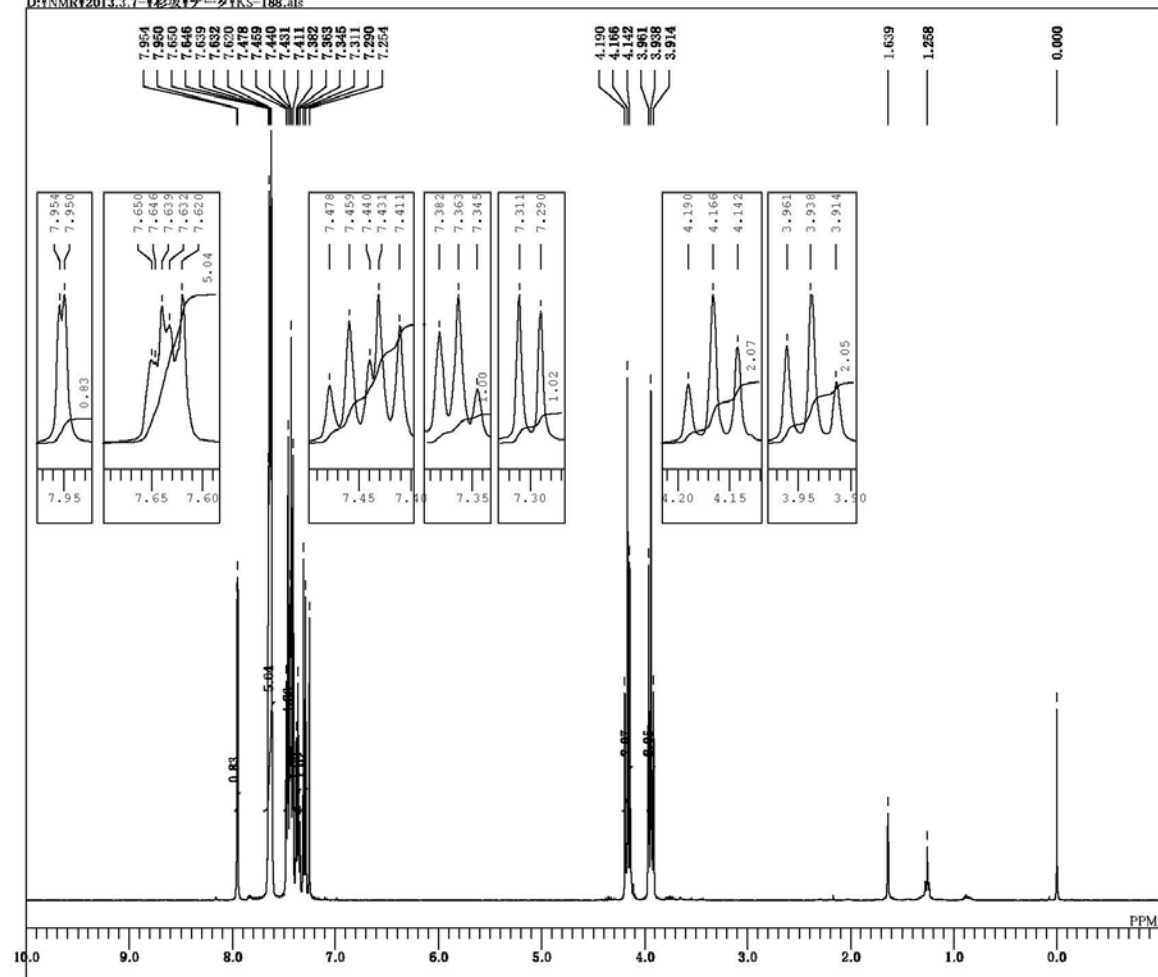


DFILE 13C KS-133.a1s
COMNT 13C KS-133
DATIM 13-03-2013 19:38:26
OBNUC 13C
EXMOD single_pulse_dec
OBFRQ 150.92 MHz
OBSET 8.52 KHz
OBFIN 1.74 Hz
POINT 26214
FREQU 37878.21 Hz
SCANS 202
ACQTM 0.6921 sec
PD 1.2000 sec
PWI 2.77 usec
IRNUC 1H
CTBMP 21.3 c
SLVNT CDCL3
EXREF 77.00 ppm
BF 0.72 Hz
RGAIN 56

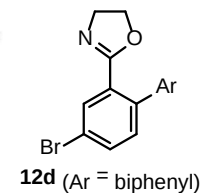


biphenyl

D:\NMR\2013.3.7-ヤシタマデ-グVKS-188.als

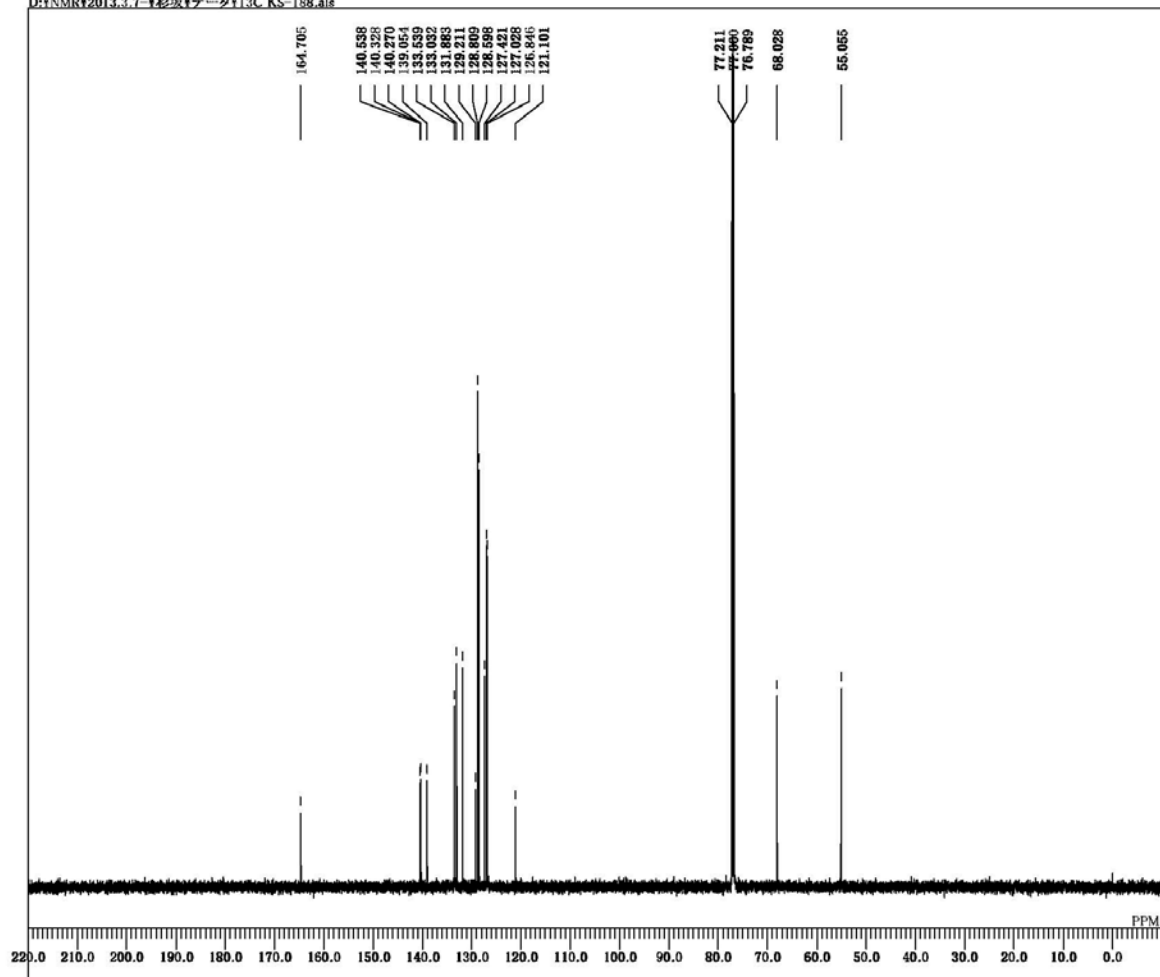


DFILE KS-188.als
 COMNT biphenyl
 DATIM 15-03-2013 12:00:52
 OBNUC 1H
 EXMOD single_pulse.ex2
 OBFRQ 399.78 MHz
 OBSET 4.19 KHz
 OBFIN 7.29 Hz
 POINT 13107
 FREQU 6002.31 Hz
 SCANS 8
 ACQTM 2.1637 sec
 PD 2.0000 sec
 PW1 5.00 usec
 IRNUC 1H
 CTBMP 21.1 c
 SLVNT CDCL3
 EXREF 0.00 ppm
 BF 0.48 Hz
 RGAIN 40

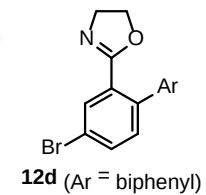


13C biphenyl

D:\NMR\2013.3.7-異形体データ\13C KS-188.als

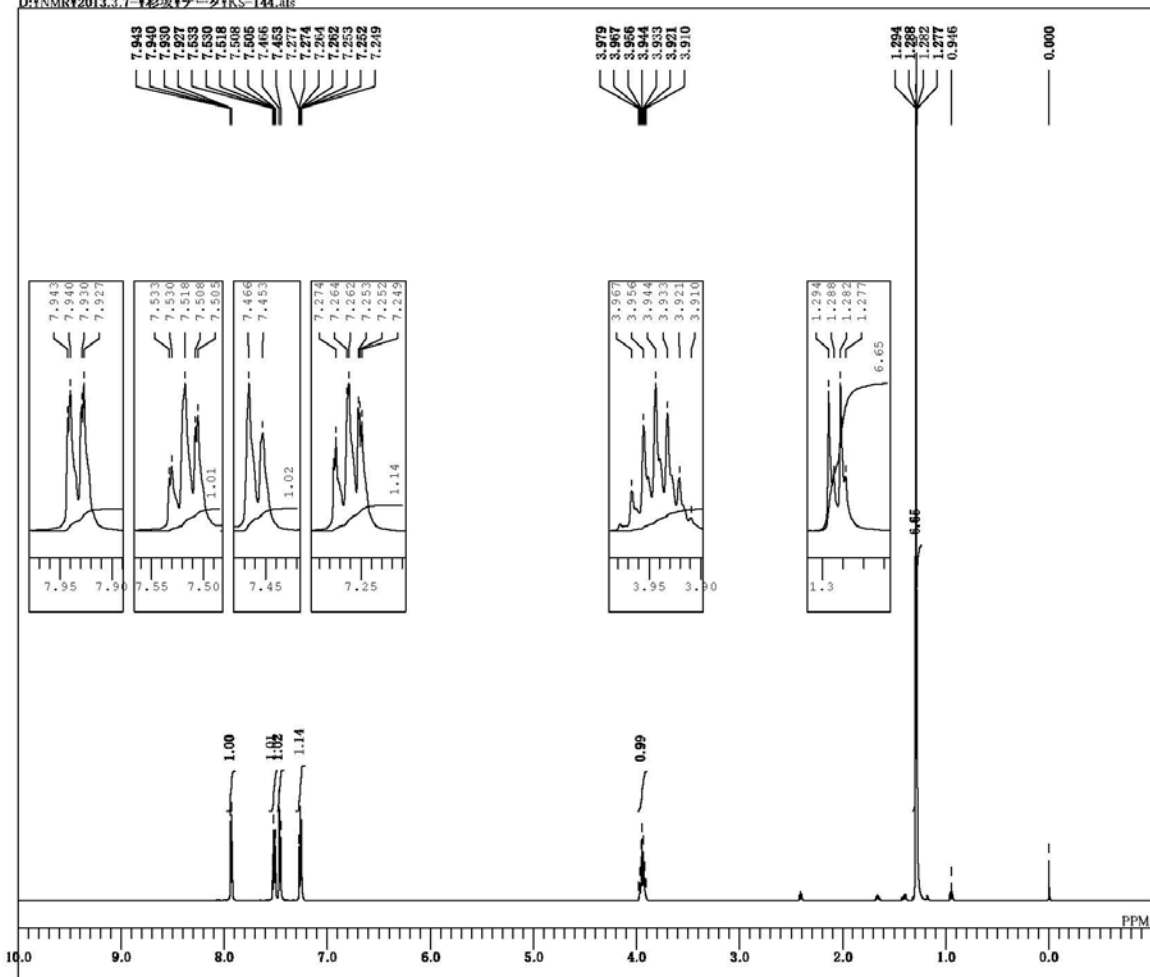


DFILE 13C KS-188.als
 COMNT 13C biphenyl
 DATIM 15-03-2013 11:24:24
 OBNUC 13C
 EXMOD single_pulse_dec
 OBFRQ 150.92 MHz
 OBSEF 8.52 KHz
 OBFIN 1.74 Hz
 POINT 26214
 FREQU 37878.21 Hz
 SCANS 402
 ACQTM 0.6921 sec
 PD 1.2000 sec
 PW1 2.77 usec
 IRNUC 1H
 CTBMP 21.4 c
 SLVNT CDCL3
 EXREF 77.00 ppm
 BF 0.72 Hz
 RGAIN 54

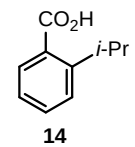


KS-144

D:\NMR\2013.3.7-異形体データ\KS-144.als

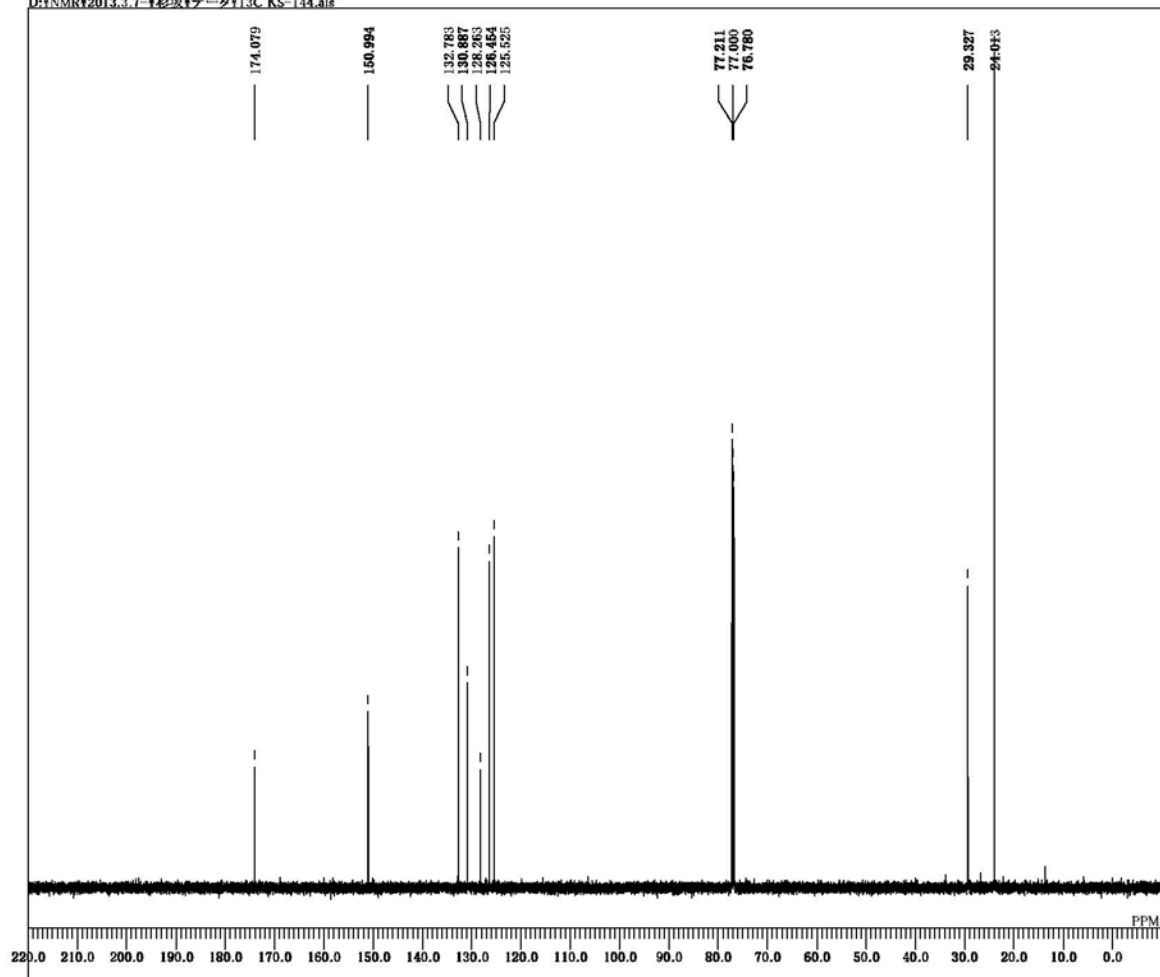


DFILE KS-144.als
 COMNT KS-144
 DATIM 13-03-2013 19:45:08
 IH
 EXMOD single_pulse.ex2
 OBFRQ 600.17 MHz
 OBSST 5.30 KHz
 OBFIN 5.47 Hz
 POINT 26214
 FREQU 9008.87 Hz
 SCANS 8
 ACQTM 2.9098 sec
 PD 2.0000 sec
 PW1 6.75 usec
 IRNUC IH
 CTBMP 20.9 c
 SLVNT CDCL3
 EXREF 0.00 ppm
 BF 0.17 Hz
 RGAIN 36

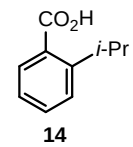


13C KS-144

D:\NMR\2013.3.7-異形体データ\13C KS-144.als

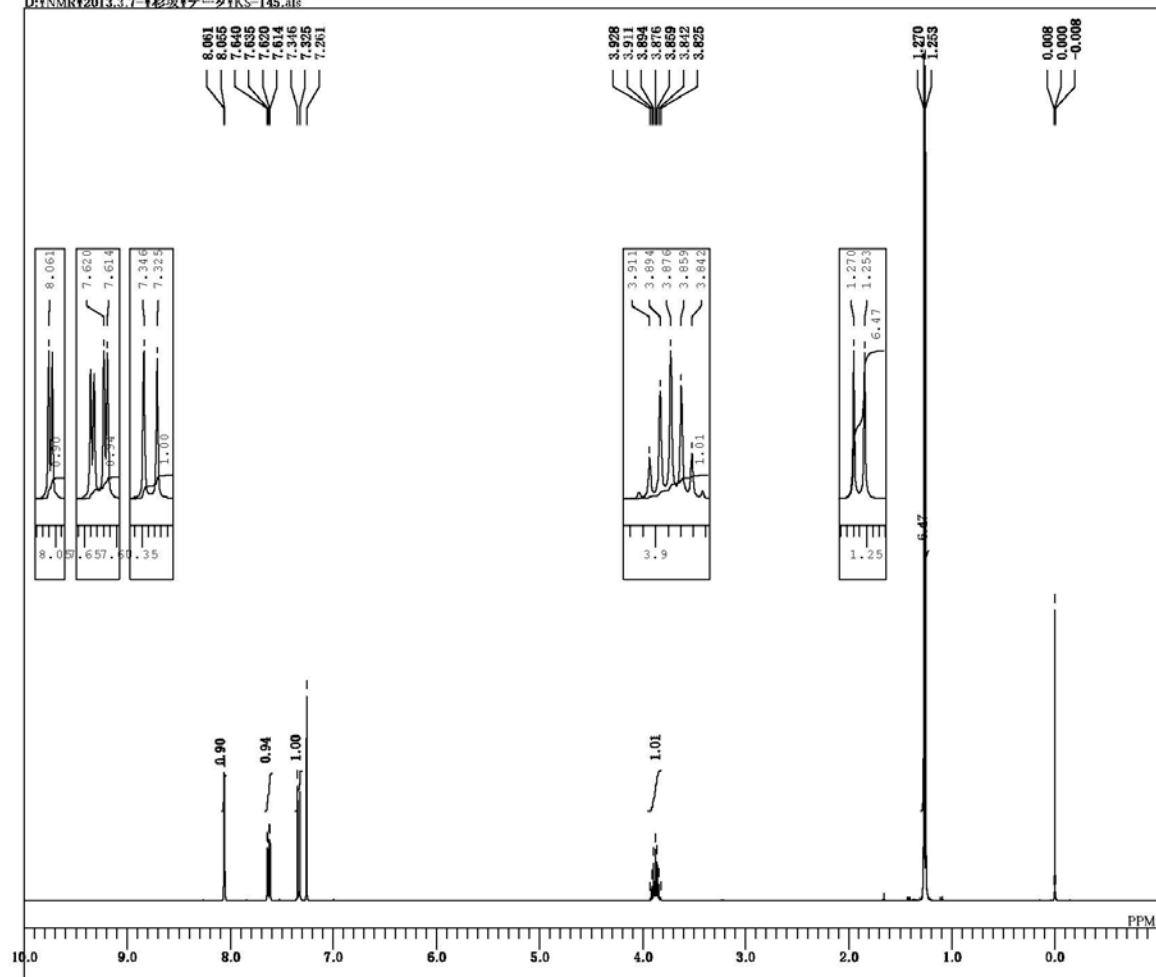


DFILE 13C KS-144.als
 COMNT 13C KS-144
 DATIM 13-03-2013 19:52:07
 OBNUC 13C
 EXMOD single_pulse_dec
 OBFRQ 150.92 MHz
 OBSET 8.52 KHz
 OBFIN 1.74 Hz
 POINT 26214
 FREQU 37878.21 Hz
 SCANS 182
 ACQTM 0.6921 sec
 PD 1.2000 sec
 PW1 2.77 usec
 IRNUC 1H
 CTBMP 21.6 c
 SLVNT CDCL3
 EXREF 77.00 ppm
 BF 0.17 Hz
 RGAIN 56

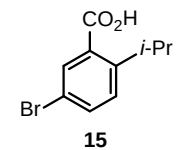


Pr CO2H Br

D:\NMR\2013.3.7-異形体データ\KS-145.als

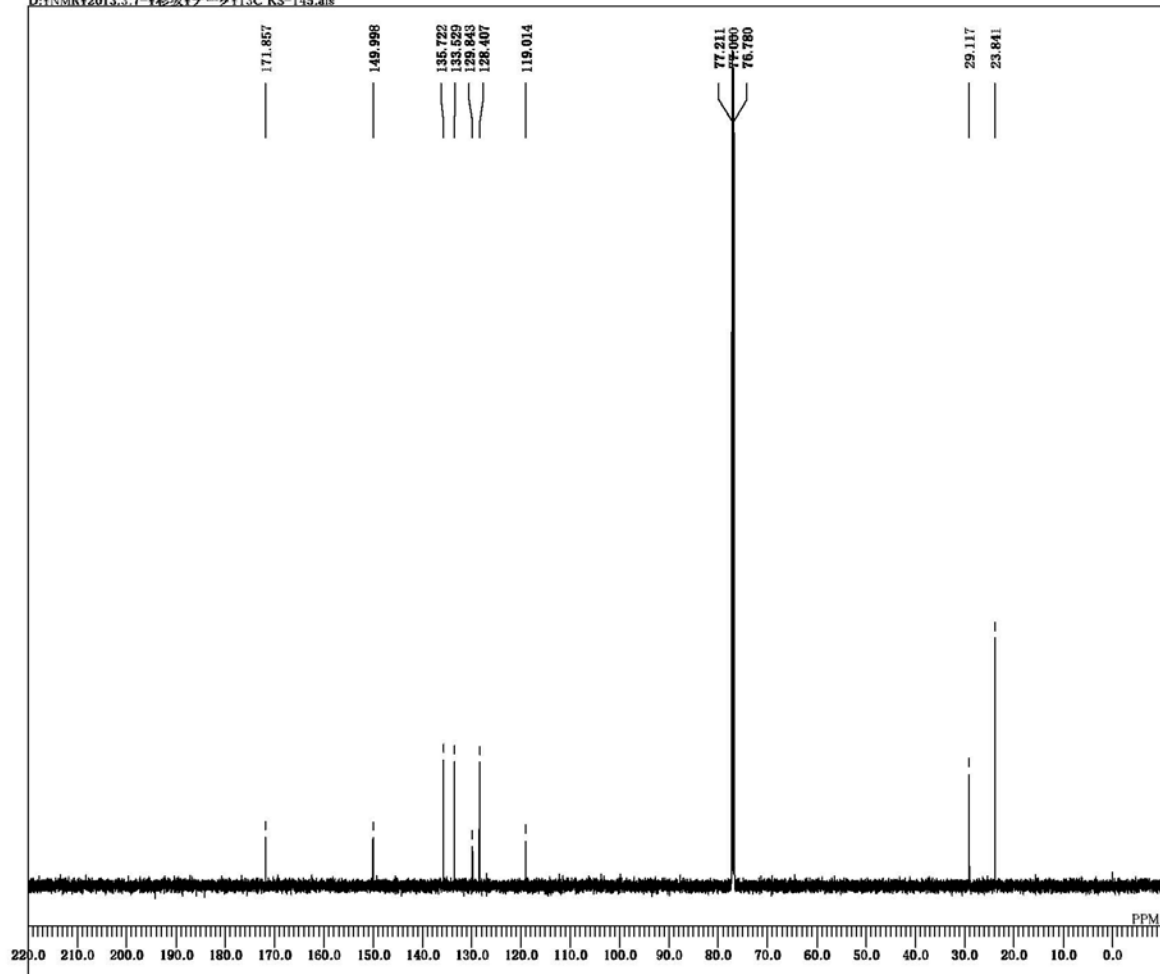


D:\NMR\2013.3.7-異形体データ\KS-145.als
 KS-145.als
 Pr CO2H Br
 15-03-2013 11:21:37
 1H
 single_pulse.ex2
 399.78 MHz
 4.19 KHz
 7.29 Hz
 13107
 6002.31 Hz
 8
 2.1637 sec
 2.0000 sec
 5.00 usec
 1H
 21.0 c
 CDCL3
 0.00 ppm
 0.23 Hz
 48

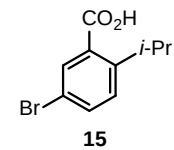


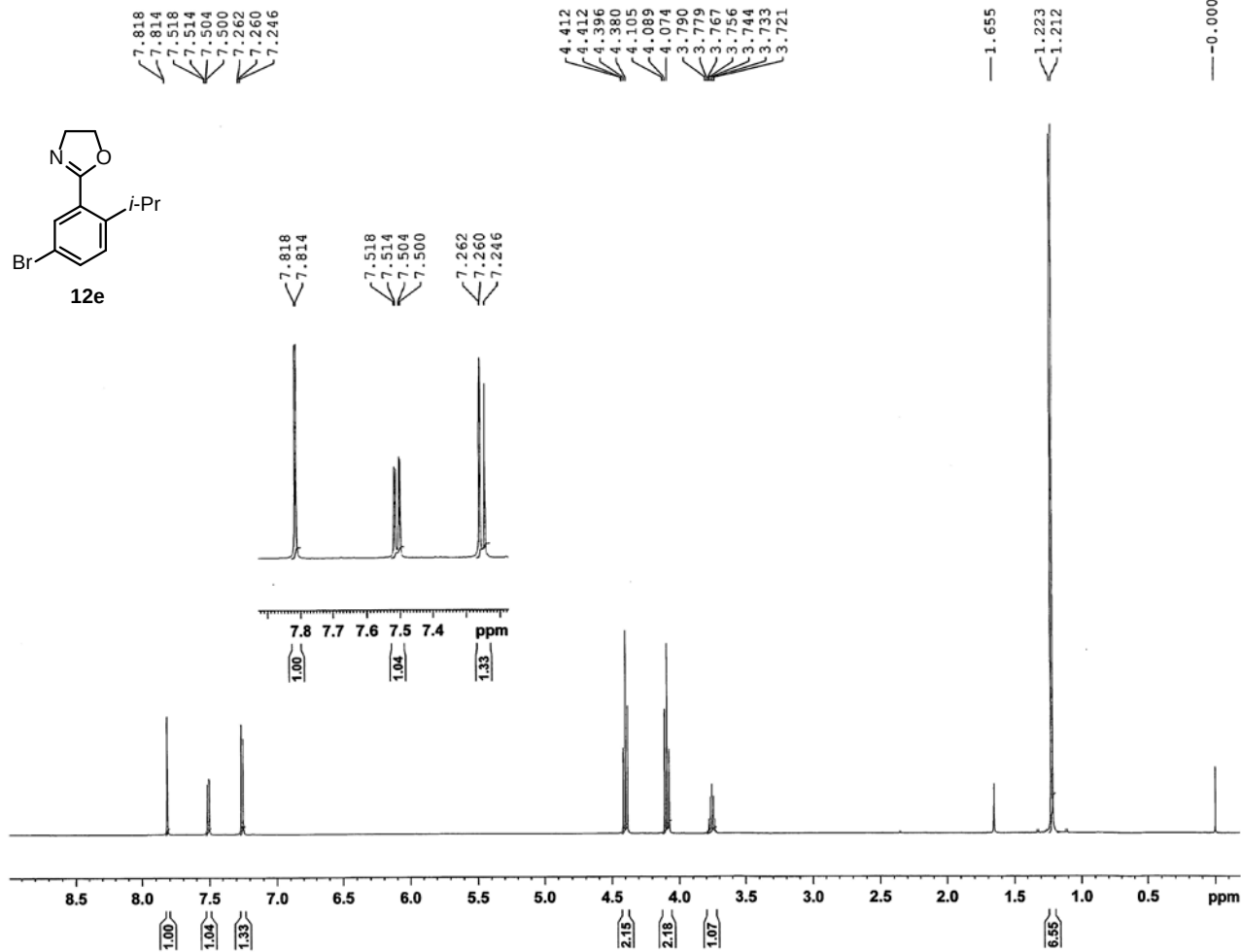
¹³C Pr Br CO₂H

D:\NMR\2013.3.7-異形成分データ\13C KS-145.a1s



DFILE 13C KS-145.a1s
 COMNT 13C Pr Br CO₂H
 DATIM 15-03-2013 12:10:59
 OBNUC 13C
 EXMOD single_pulse_dec
 OBFRQ 150.92 MHz
 OBSEI 8.52 KHz
 OBFIN 1.74 Hz
 POINT 26214
 FREQU 37878.21 Hz
 SCANS 482
 ACQTM 0.6921 sec
 PD 1.2000 sec
 PWI 2.77 usec
 IRNUC 1H
 CTBMP 21.5 c
 SLVNT CDCL₃
 EXREF 77.00 ppm
 BF 0.72 Hz
 RGAIN 54





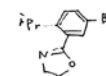
BRUKER

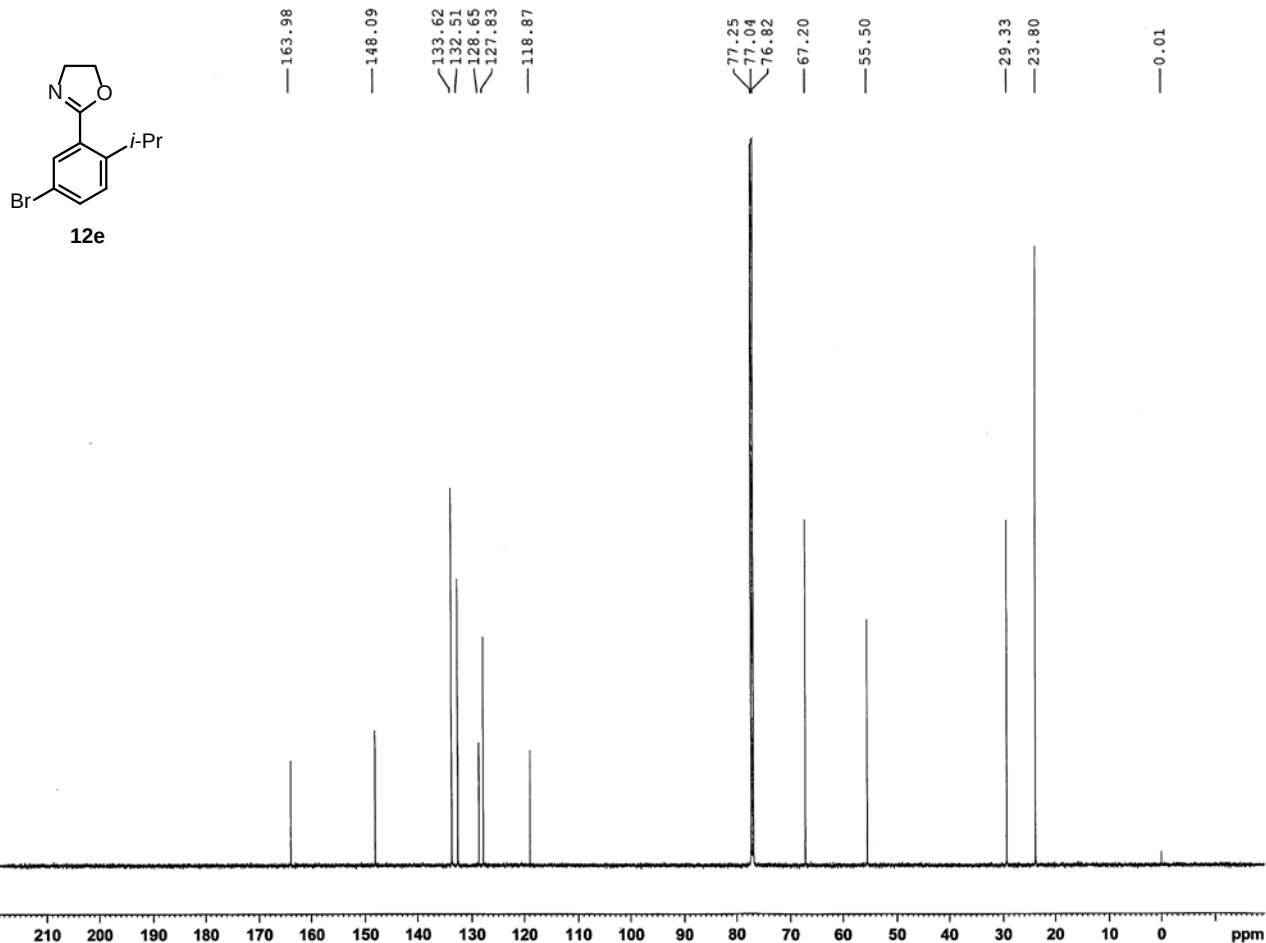
Current Data Parameters
NAME NT-150217
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
Date_ 20150217
Time 8.33
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 8
DS 1
SWH 12019.230 Hz
FIDRES 0.183399 Hz
AQ 2.7262976 sec
RG 70.26
DW 41.600 use
DE 6.50 use
TE 298.2 K
D1 3.00000000 sec
TD0 1

===== CHANNEL f1 =====
SFO1 600.1337060 MHz
NUC1 1H
P1 10.00 use
PLW1 27.00000000 W

F2 - Processing parameters
SI 65536
SF 600.1300169 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





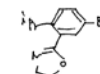
Current Data Parameters
NAME NT-150217
EXPNO 11
PROCNO 1

F2 - Acquisition Parameters
Date_ 20150217
Time 9.26
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 1024
DS 4
SWH 36057.691 Hz
FIDRES 0.550197 Hz
AQ 0.9087659 sec
RG 193.26
DW 13.867 use
DE 6.50 use
TE 298.2 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 1

===== CHANNEL f1 =====
SFO1 150.9178981 MHz
NUC1 13C
P1 12.00 use
PLW1 85.00000000 W

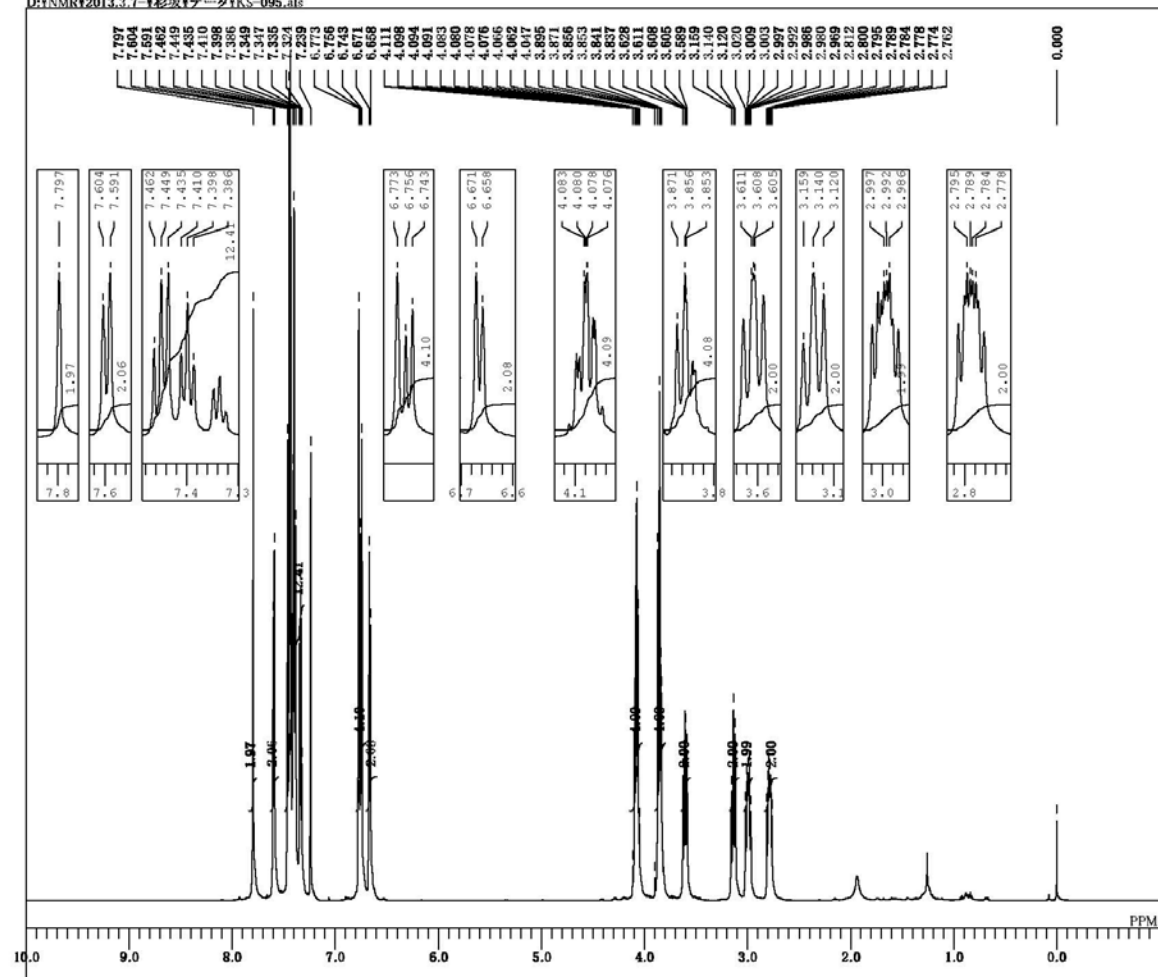
===== CHANNEL f2 =====
SFO2 600.1324005 MHz
NUC2 1H
CPDPRG2 waltz16
PCPD2 70.00 use
PLW2 27.00000000 W
PLW12 0.55102003 W
PLW13 0.27000001 W

F2 - Processing parameters
SI 32768
SF 150.9028090 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40

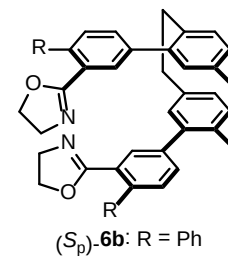


bisoxazoline Ph ligand

D:\NMR\2013.3.7-ヤシタマデ-タキス-095.als

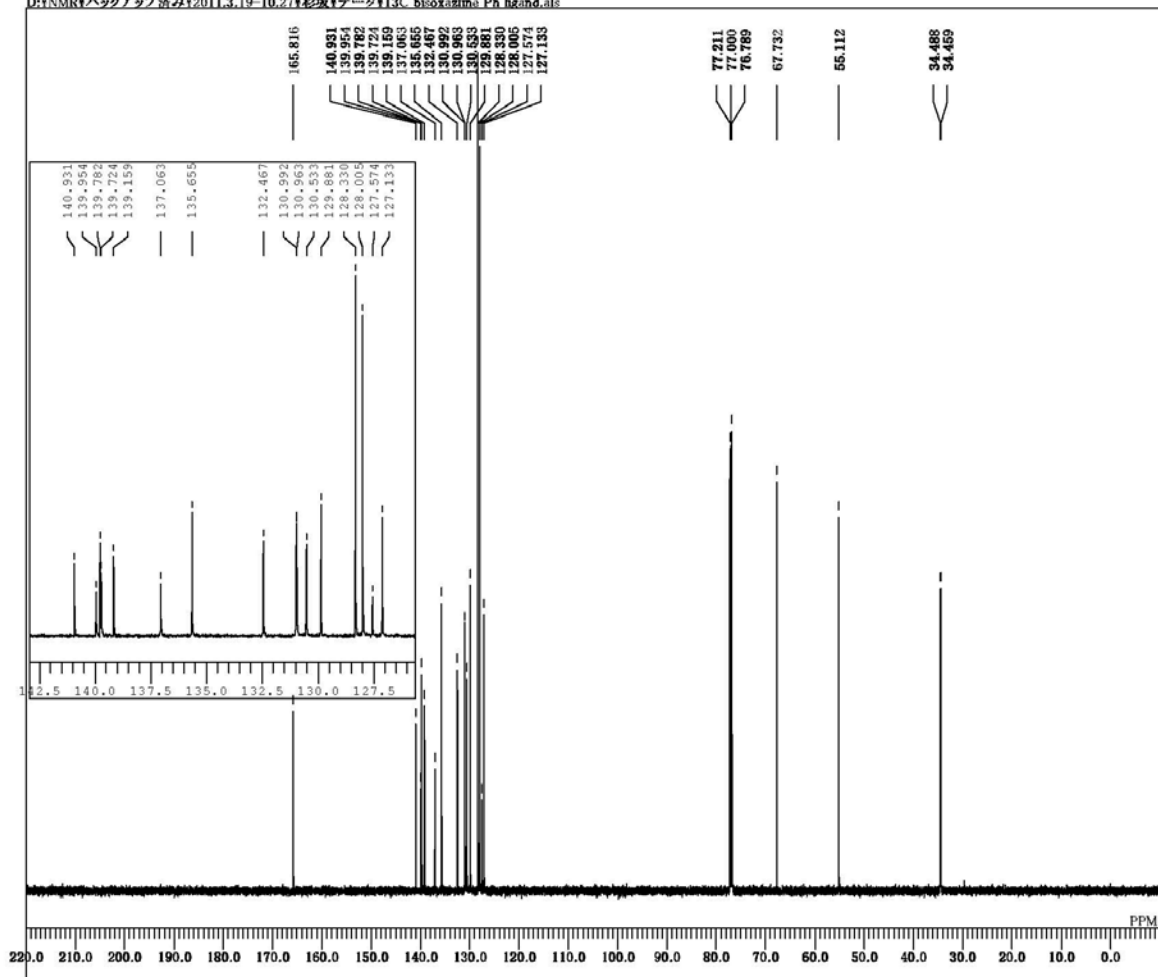


DFILE KS-095.als
COMNT bisoxazoline Ph ligand
DATIM 10-08-2011 12:59:10
IH
EXMOD single_pulse.ex2
OBFRQ 600.17 MHz
OBSEF 5.30 KHz
OBFIN 5.47 Hz
POINT 26214
FREQU 9008.87 Hz
SCANS 8
ACQTM 2.9098 sec
PD 2.0000 sec
PWI 5.60 usec
IH
CTBMP 23.4 c
CDCL3 0.00 ppm
BF 0.23 Hz
RGAIN 32

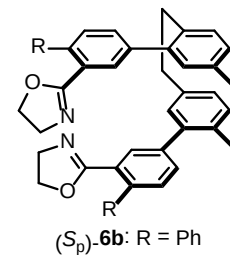


¹³C bisoxazline Ph ligand

D:\NMR\バックアップ済み\2011.3.19-10.27\Y杉坂Yデータ\Y13C bisoxazline Ph ligand.als

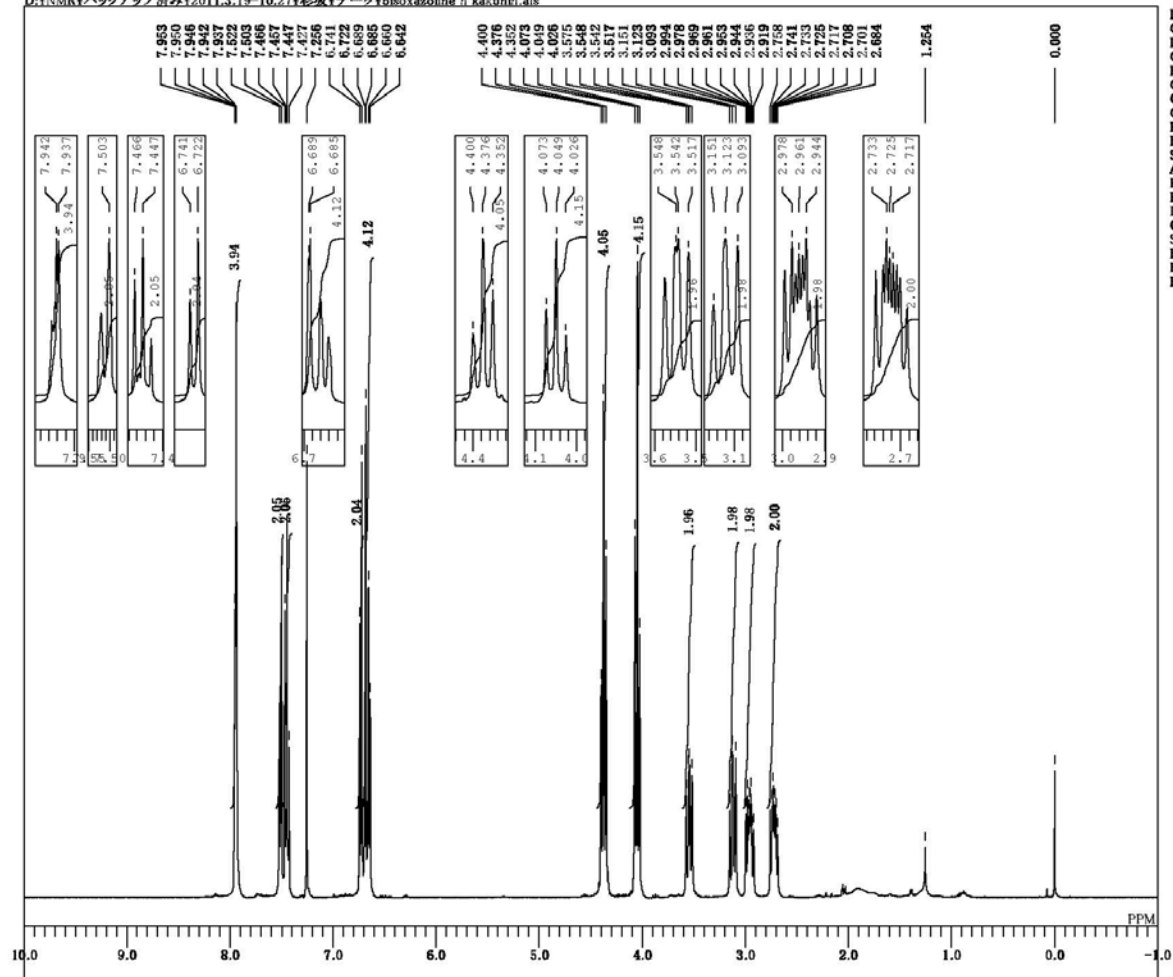


DFILE 13C bisoxazline Ph ligand.als
 COMNT 13C bisoxazline Ph ligand
 DATIM 10-08-2011 13:18:22
 OBNUC 13C
 EXMOD single_pulse_dec
 OBFRQ 150.92 MHz
 OBSST 8.52 KHz
 OBFIN 1.74 Hz
 POINT 26214
 FREQU 37878.21 Hz
 SCANS 529
 ACQTM 0.6921 sec
 PD 1.2000 sec
 PW1 2.77 usec
 IRNUC 1H
 CTBMP 24.1 c
 SLVNT CDCL3
 EXREF 77.00 ppm
 BF 0.17 Hz
 RGAIN 54

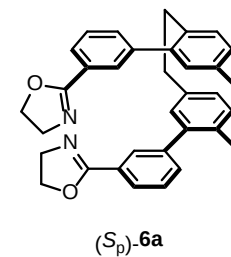


bisoxazoline h kakunin

D:\NMR\バックアップ済み\2011.3.19-10.27\Y杉坂Yデータ\bisoxazoline h kakunin.als

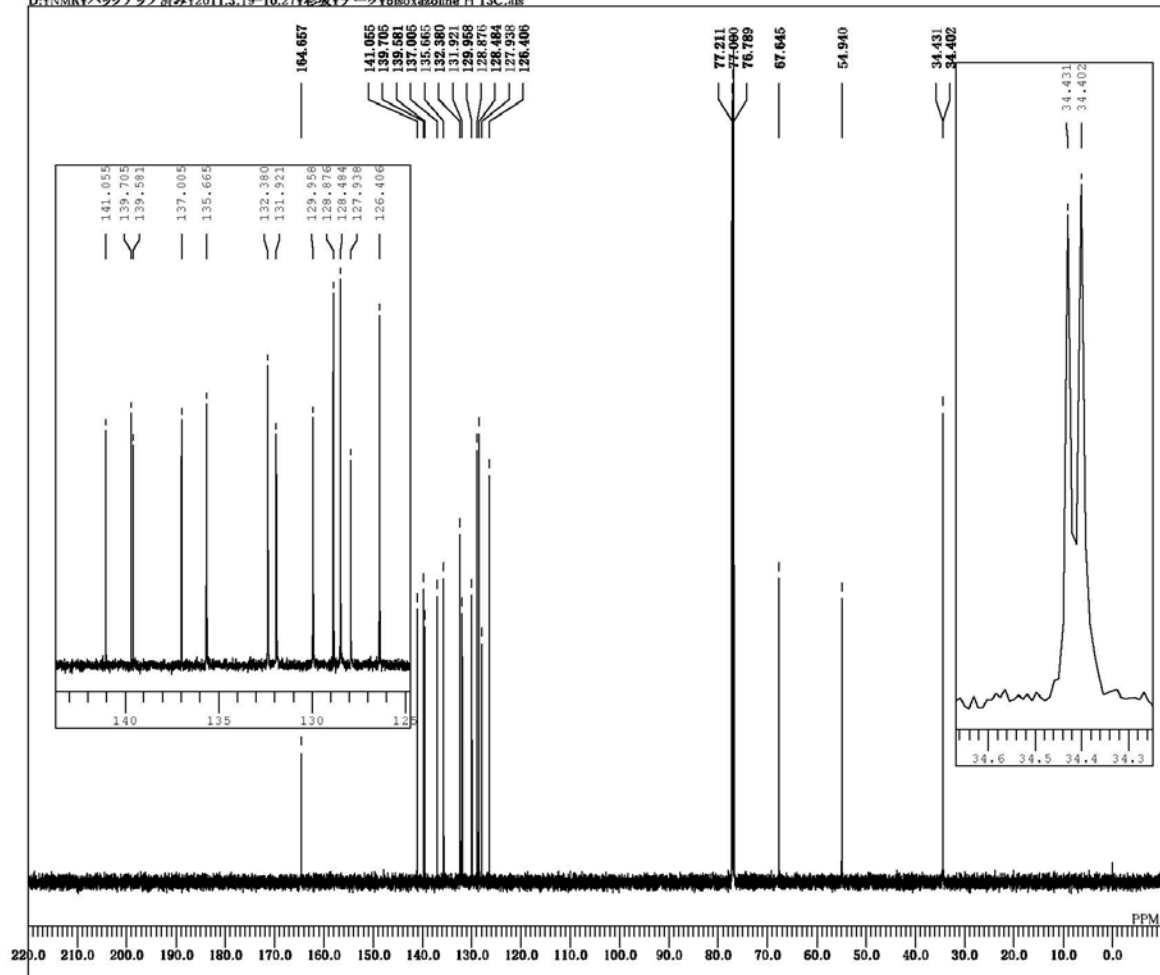


DFILE bisoxazoline h kakunin.als
 COMNT bisoxazoline h kakunin
 DATIM 02-08-2011 15:51:35
 IH
 EXMOD single_pulse.ex2
 OBFRQ 399.78 MHz
 OBSST 4.19 KHz
 OBFIN 7.29 Hz
 POINT 13107
 FREQU 6002.31 Hz
 SCANS 8
 ACQTM 2.1837 sec
 PD 2.0000 sec
 PWI 4.75 usec
 IH
 CTBMP 22.6 c
 CDCL3
 BREF 0.00 ppm
 BF 0.23 Hz
 RGAIN 36

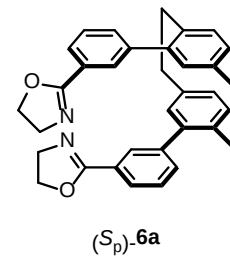


bisoxazoline H 13C kakunin

D:\NMR\バックアップ\活み\2011.3.19-10.27\Y杉坂\データ\bisoxazoline H 13C.als

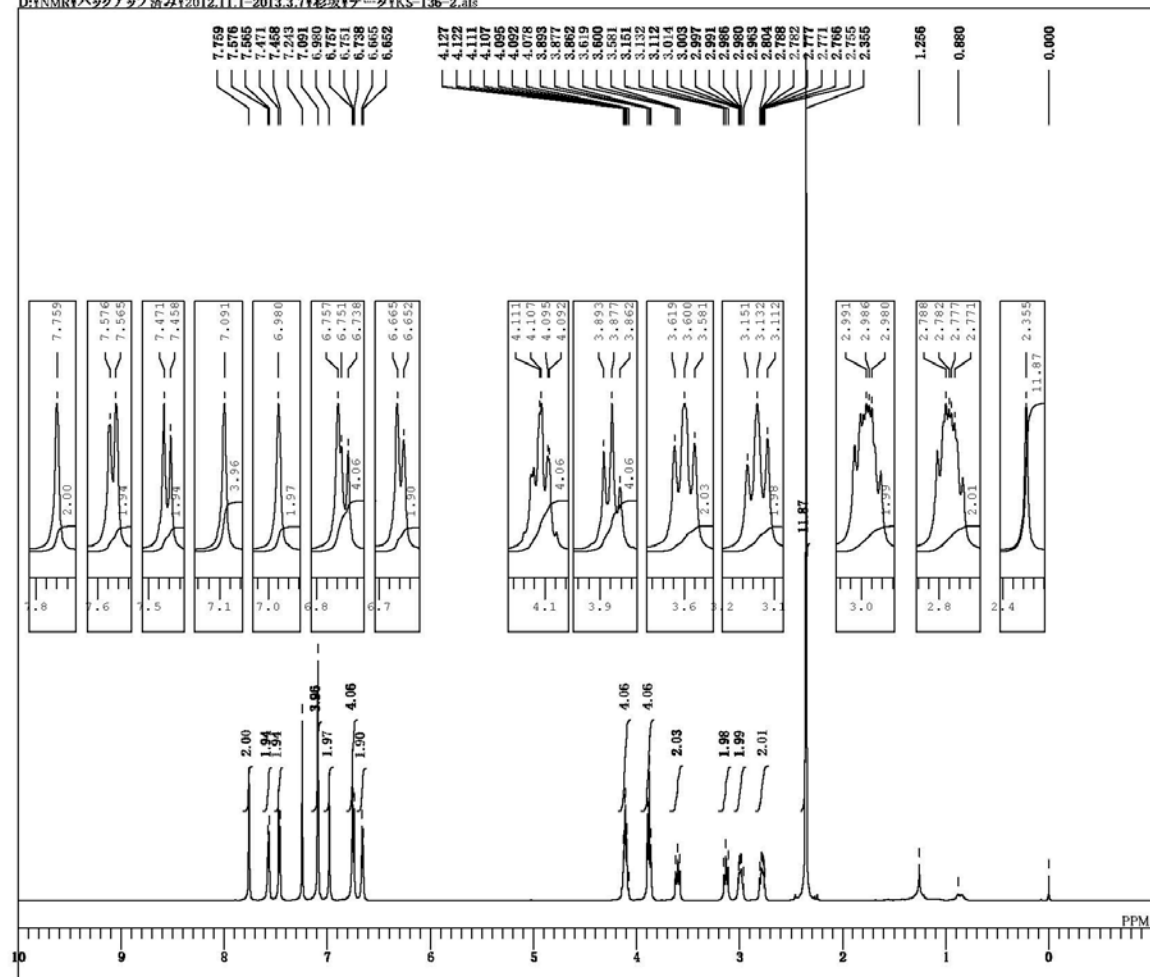


DFILE bisoxazoline H 13C.als
COMNT bisoxazoline H 13C kakunin
DATIM 03-08-2011 10:01:57
OBNUC 13C
EXMOD single_pulse_dec
OBFRQ 150.92 MHz
OBSET 8.52 KHz
OBFIN 1.74 Hz
POINT 26214
FREQU 37878.21 Hz
SCANS 442
ACQTM 0.6921 sec
PD 1.2000 sec
PWI 2.77 usec
IRNUC 1H
CTBMP 24.0 c
SLVNT CDCL3
BKRBF 77.00 ppm
BF 0.23 Hz
RGAIN 56

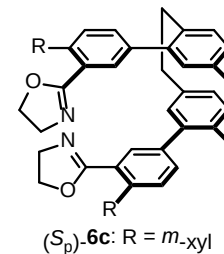


bisoxazoline m-xylene

D:\NMR\バックアップ済み\2012.11.1-2013.3.7\杉坂\データ\KS-136-2.als

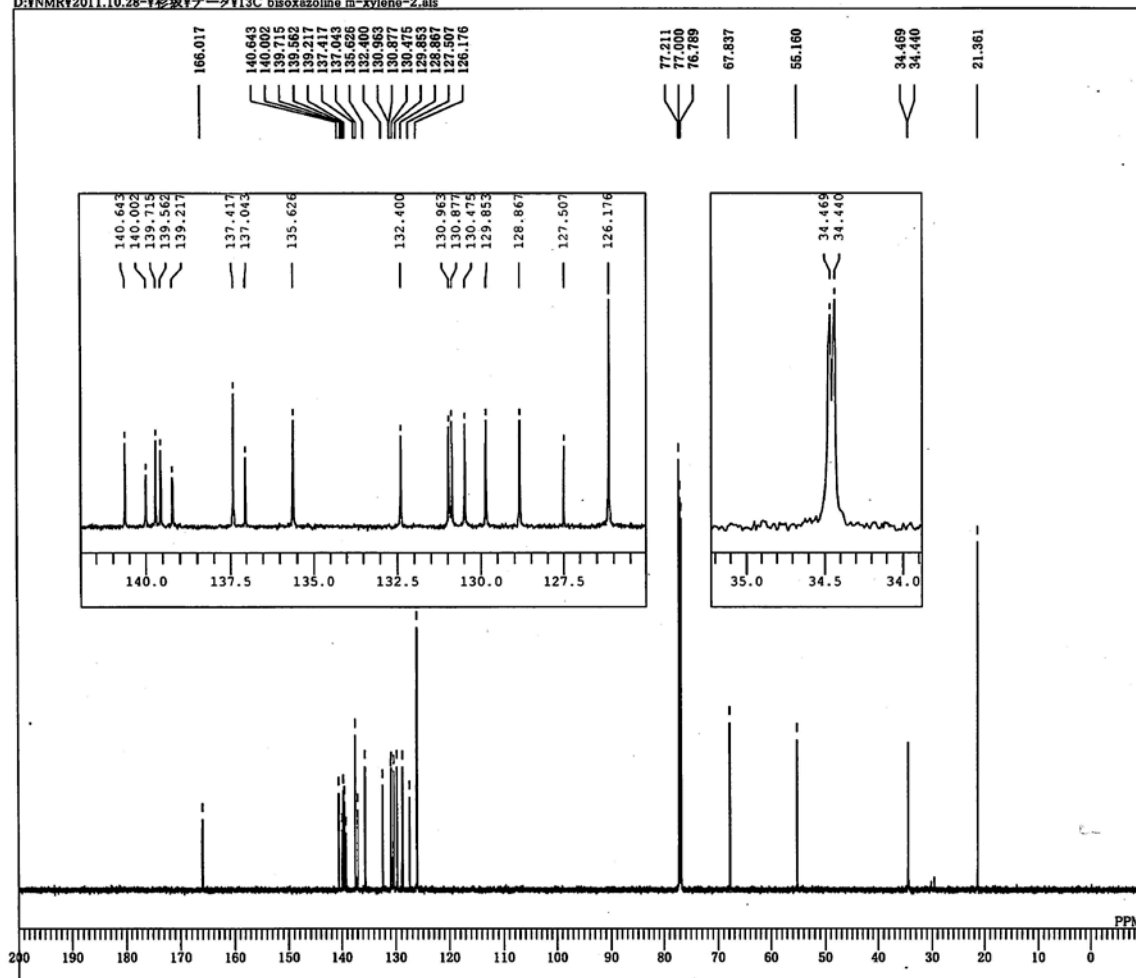


DFILE KS-136-2.als
COMNT bisoxazoline m-xylene
DATIM 02-03-2012 18:27:45
IH
EXMOD single_pulse.ex2
OBFRQ 600.17 MHz
OBSETE 5.30 KHz
OBFIN 5.47 Hz
POINT 26214
FREQU 9008.87 Hz
SCANS 8
ACQTM 2.9098 sec
PD 2.0000 sec
PWI 5.60 usec
IRNUC
CTBMP
SLVNT CDCL3
EXREF 0.00 ppm
BF 0.72 Hz
RGAIN 30

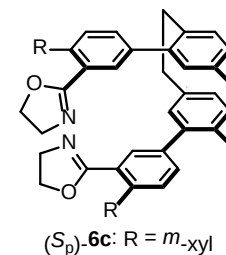


bisoxazoline m-xylene

D:\NMR\2011.10.28-V\13C bisoxazoline m-xylene-2.als

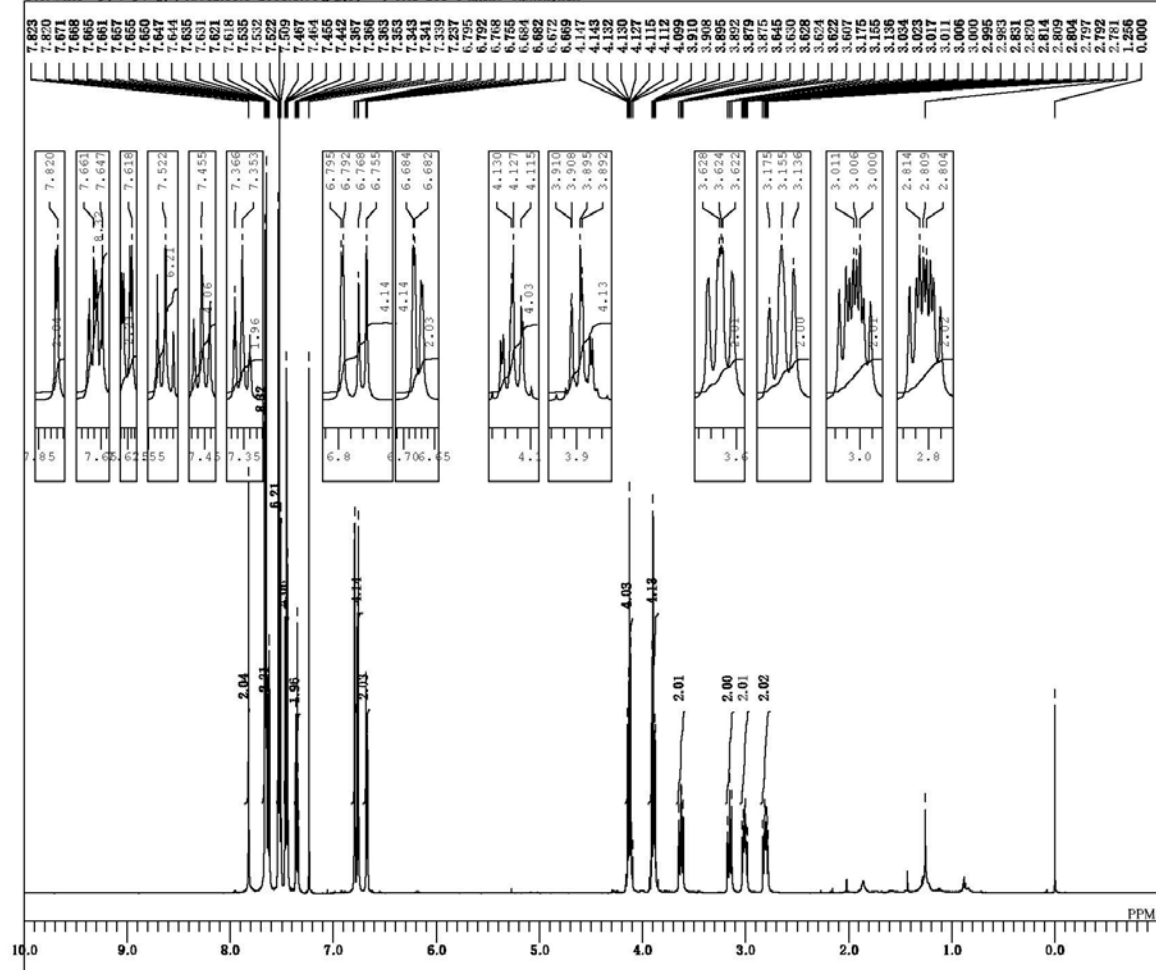


DFILE 13C bisoxazoline m-xylene-2.als
 COMNT bisoxazoline m-xylene
 DATIM 02-03-2012 18:40:54
 13C
 EXMOD single_pulse_dec
 OBFRQ 150.92 MHz
 OBSET 8.52 KHz
 OBFIN 1.74 Hz
 POINT 32768
 FREQU 47348.49 Hz
 SCANS 354
 ACQTM 0.6921 sec
 PD 1.2000 sec
 PW1 2.77 usec
 1H 20.4 c
 CDCL3
 EXREF 77.00 ppm
 BF 0.72 Hz
 RGAIN 52

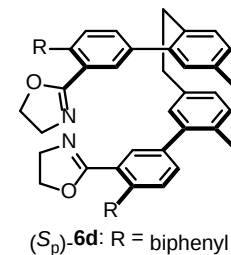


ligand 2012/11/2

D:\NMR\バックアップ\2012.11.1-2013.3.7\Y杉坂\データ\KS-208-1\ligand-biphenyl.als

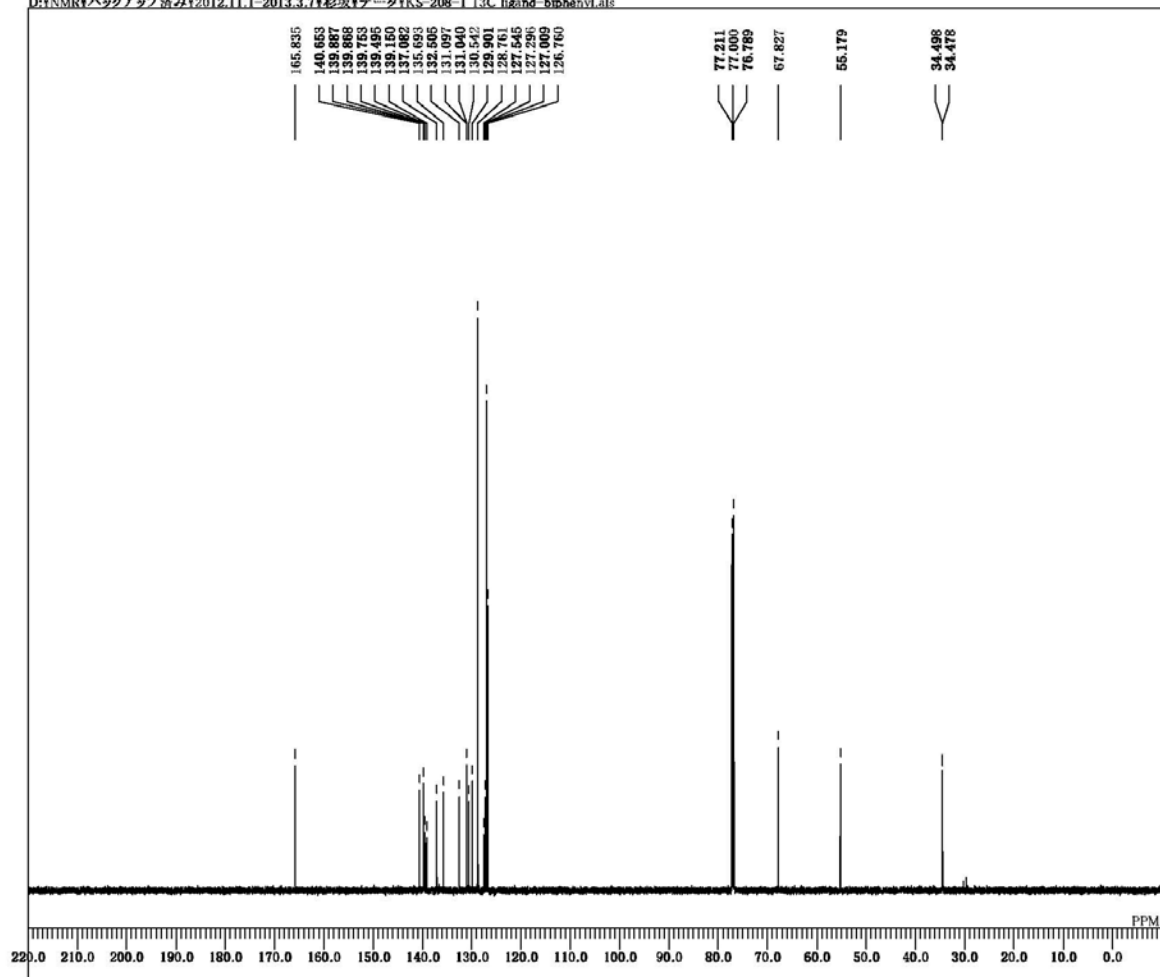


D:\NMR\バックアップ\2012.11.1-2013.3.7\Y杉坂\データ\KS-208-1\ligand-biphenyl.als
KS-208-1 ligand-biphenyl.als
ligand 2012/11/2
02-11-2012 14:03:43
IH
single_pulse.ex2
600.17 MHz
5.30 KHz
5.47 Hz
26214
9008.87 Hz
8
2.9098 sec
2.0000 sec
6.75 usec
IH
19.8 c
CDCl3
0.00 ppm
0.17 Hz
32

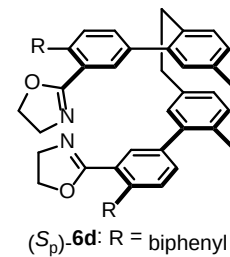


¹³C Ligand-spacers-biphenyl Sp

D:\NMR\バックアップ済み\2012.11.1-2013.3.7\杉坂Yデータ\KS-208-1 ¹³C ligand-biphenyl.als

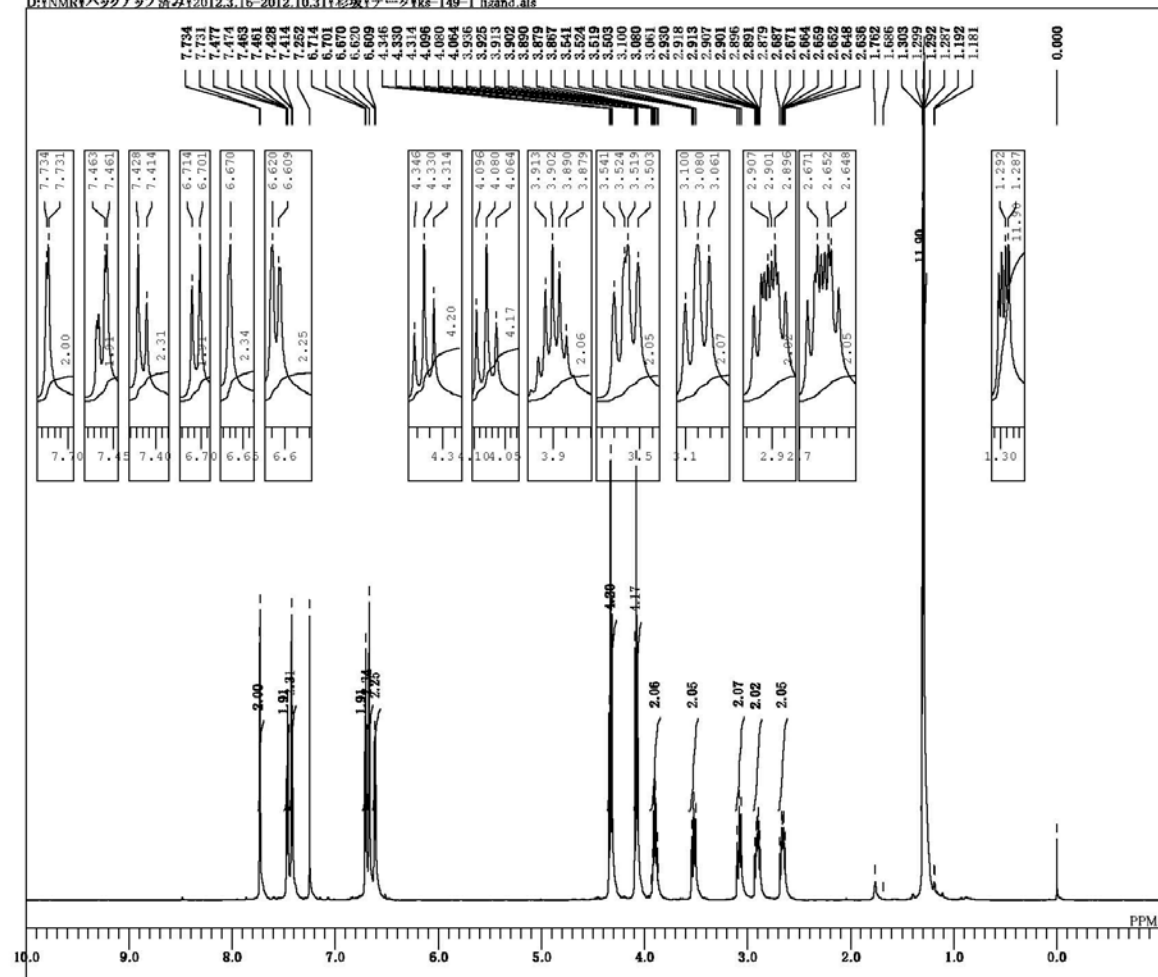


DFILE KS-208-1 ¹³C ligand-biphenyl.als
 COMNT ¹³C Ligand-spacers-biphenyl Sp
 DATIM 30-10-2012 09:30:15
 OBNUC ¹³C
 EXMOD single_pulse_dec
 OBFRQ 150.92 MHz
 OBSST 8.52 KHz
 OBFIN 1.74 Hz
 POINT 26214
 FREQU 37878.21 Hz
 SCANS 351
 ACQTM 0.6921 sec
 PD 1.2000 sec
 PW1 2.77 usec
 IRNUC ¹H
 CTBMP 20.7 c
 SLVNT CDCL3
 EXREF 77.00 ppm
 BF 0.48 Hz
 RGAIN 52

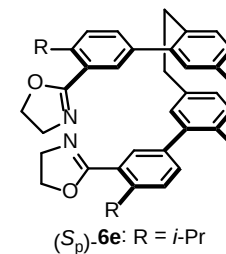


ks-149-1 ligand

D:\NMR\バックアップ済み\2012.3.16-2012.10.31\Y杉坂Yデー\ks-149-1 ligand.als

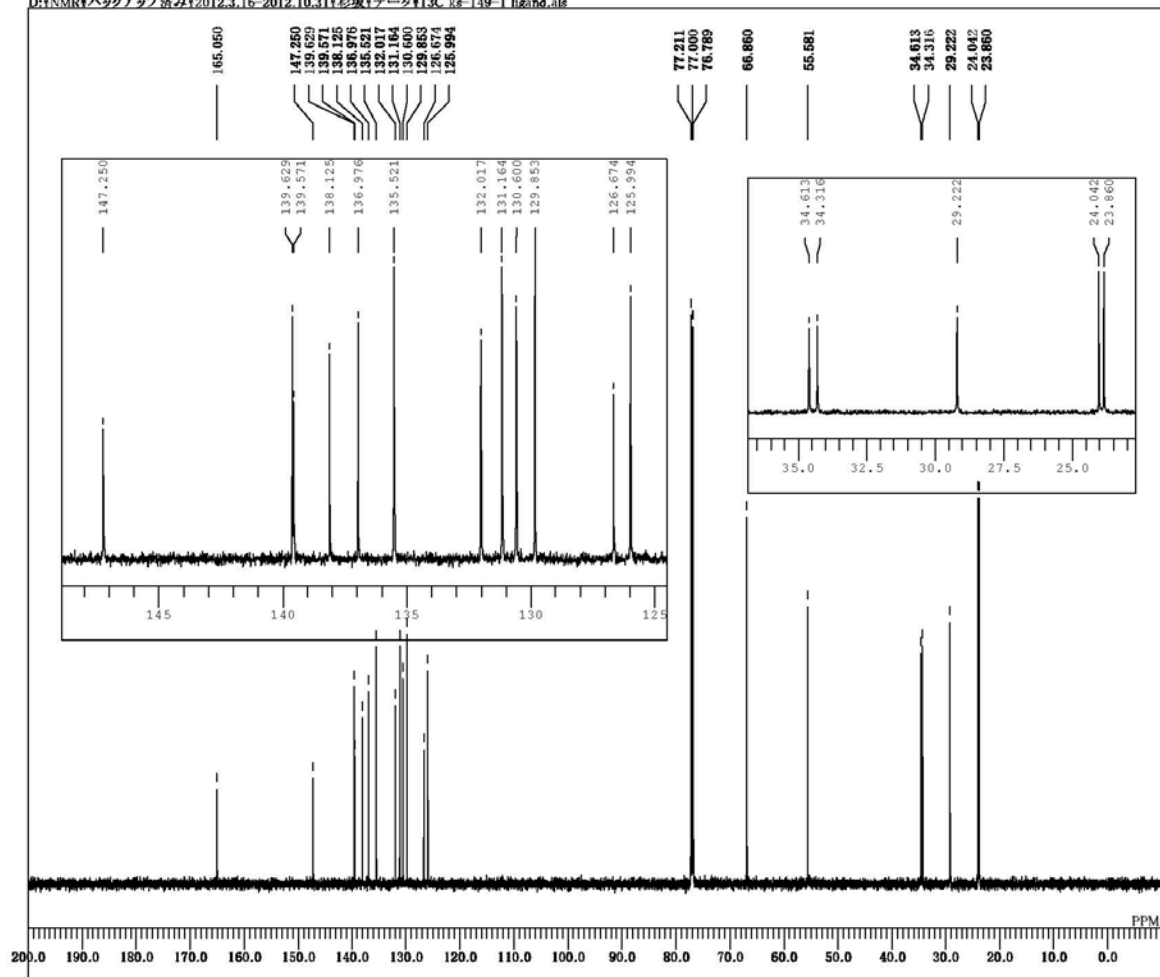


DFILE ks-149-1 ligand.als
COMNT ks-149-1 ligand
DATIM 30-04-2012 15:43:21
IH
EXMOD single_pulse.ex2
OBFRQ 600.17 MHz
OBSETE 5.30 KHz
OBFIN 5.47 Hz
POINT 26214
FREQU 9008.87 Hz
SCANS 8
ACQTM 2.9098 sec
PD 2.0000 sec
PW1 5.60 usec
IH
CTBMP 20.1 c
SLVNT CDCL3
BKRBF 0.00 ppm
BF 0.48 Hz
RGAIN 32

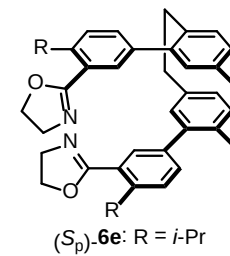


¹³C ks-149-1 ligand

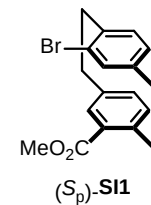
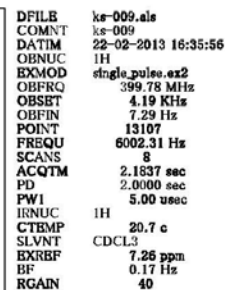
D:\NMR\バックアップ済み\2012.3.16-2012.10.31\Y杉坂Yデータ\Y¹³C ks-149-1 ligand.ale



DFILE 13C ks-149-1 ligand.ale
 COMNT 13C ks-149-1 ligand
 DATIM 30-04-2012 16:00:18
 OBNUC 13C
 EXMOD single_pulse_dec
 OBFRQ 150.92 MHz
 OBSST 8.52 KHz
 OBFIN 1.74 Hz
 POINT 26214
 FREQU 37878.21 Hz
 SCANS 322
 ACQTM 0.6921 sec
 PD 1.2000 sec
 PW1 2.77 usec
 IRNUC 1H
 CTBMP 20.9 c
 SLVNT CDCL3
 BKRFP 77.00 ppm
 BF 0.48 Hz
 RGAIN 56

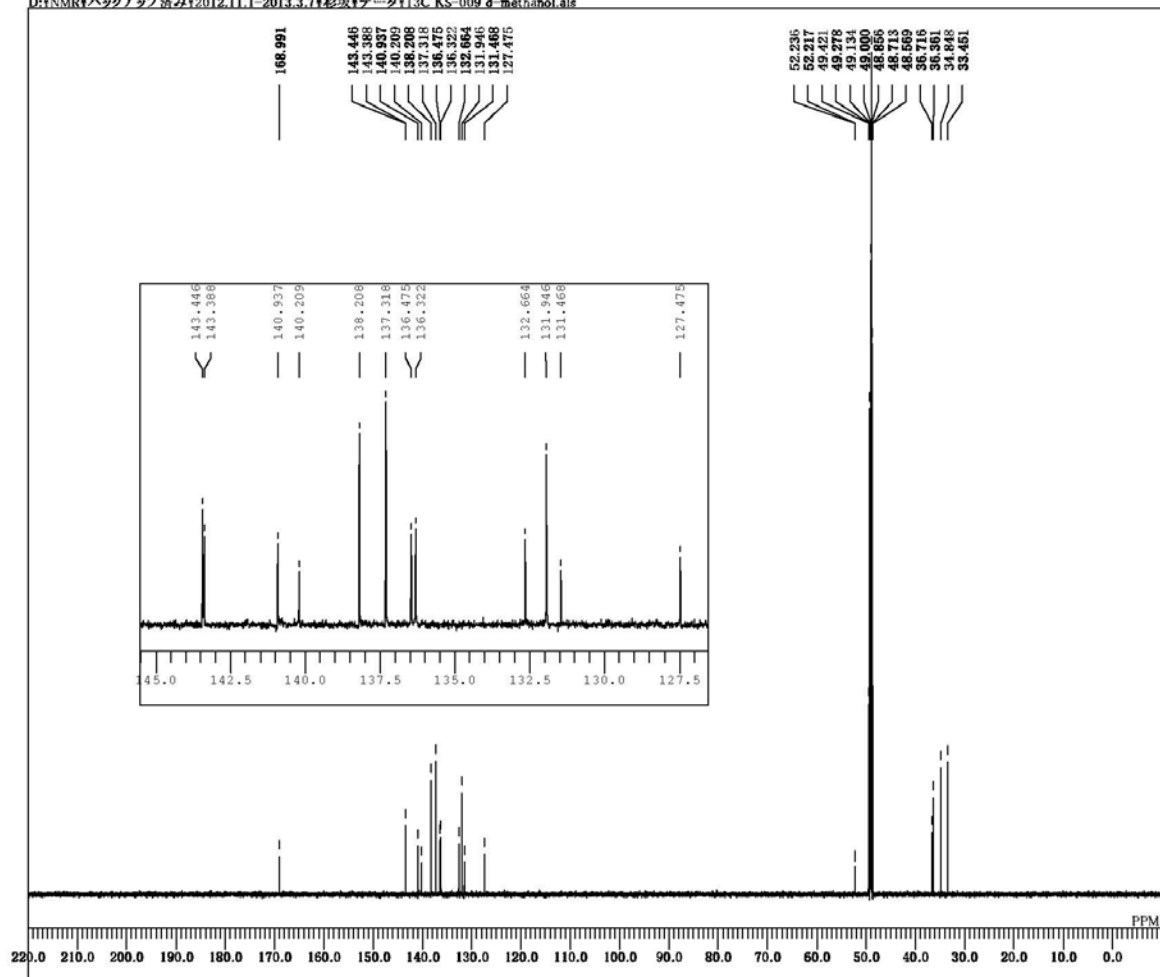


D:\YNMRYバックアップ済み\2012.11.1-2013.3.7\Y杉坂Yデータ\Yks-009.als

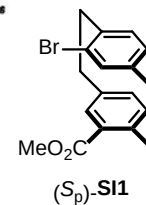


13C KS-009 d-methanol

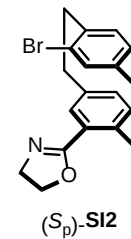
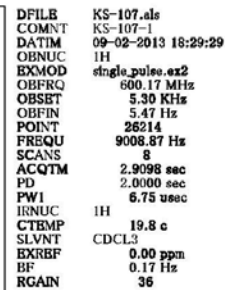
D:\NMR\バックアップ済み\2012.11.1-2013.3.7\杉坂Yデータ\13C KS-009 d-methanol.als



DFILE 13C KS-009 d-methanol.als
 COMNT 13C KS-009 d-methanol
 DATIM 23-02-2013 19:48:48
 13C
 EXMOD single_pulse_dec
 OBFRQ 150.92 MHz
 OBSST 8.52 KHz
 OBFIN 1.74 Hz
 POINT 26214
 FREQU 37878.21 Hz
 SCANS 642
 ACQTM 0.6921 sec
 PD 1.2000 sec
 PW1 2.77 usec
 IRNUC 1H
 CTBMP 20.0 c
 SLVNT CD3OD
 EXREF 49.00 ppm
 BF 0.23 Hz
 RGAIN 58

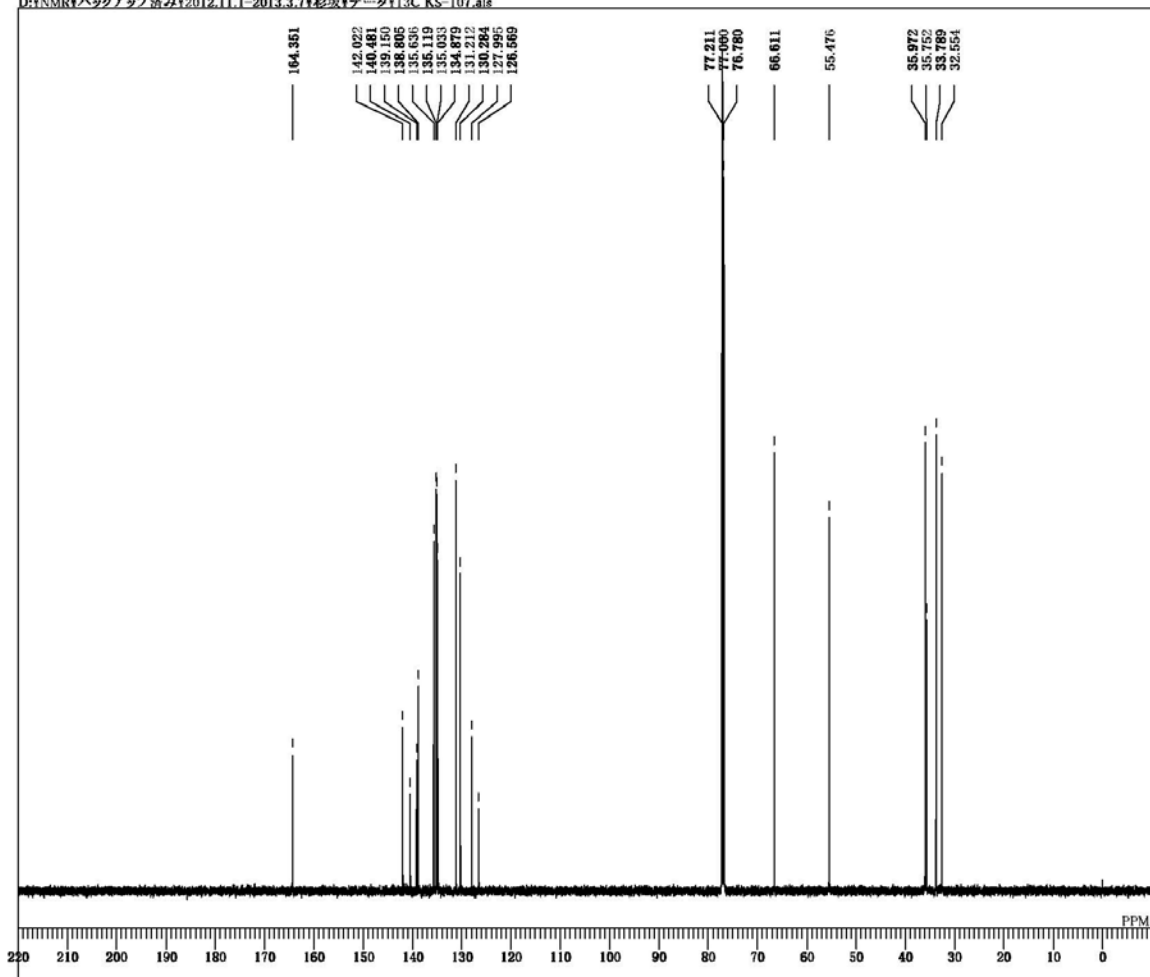


D:\YNMRYバックアップ済み\2012.11.1-2013.3.7\杉坂Yデータ\KS-107.xls

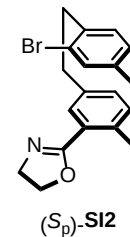


13C KS-107

D:\NMR\バックアップ済み\2012.11.1-2013.3.7\杉坂Yデータ\13C KS-107.als

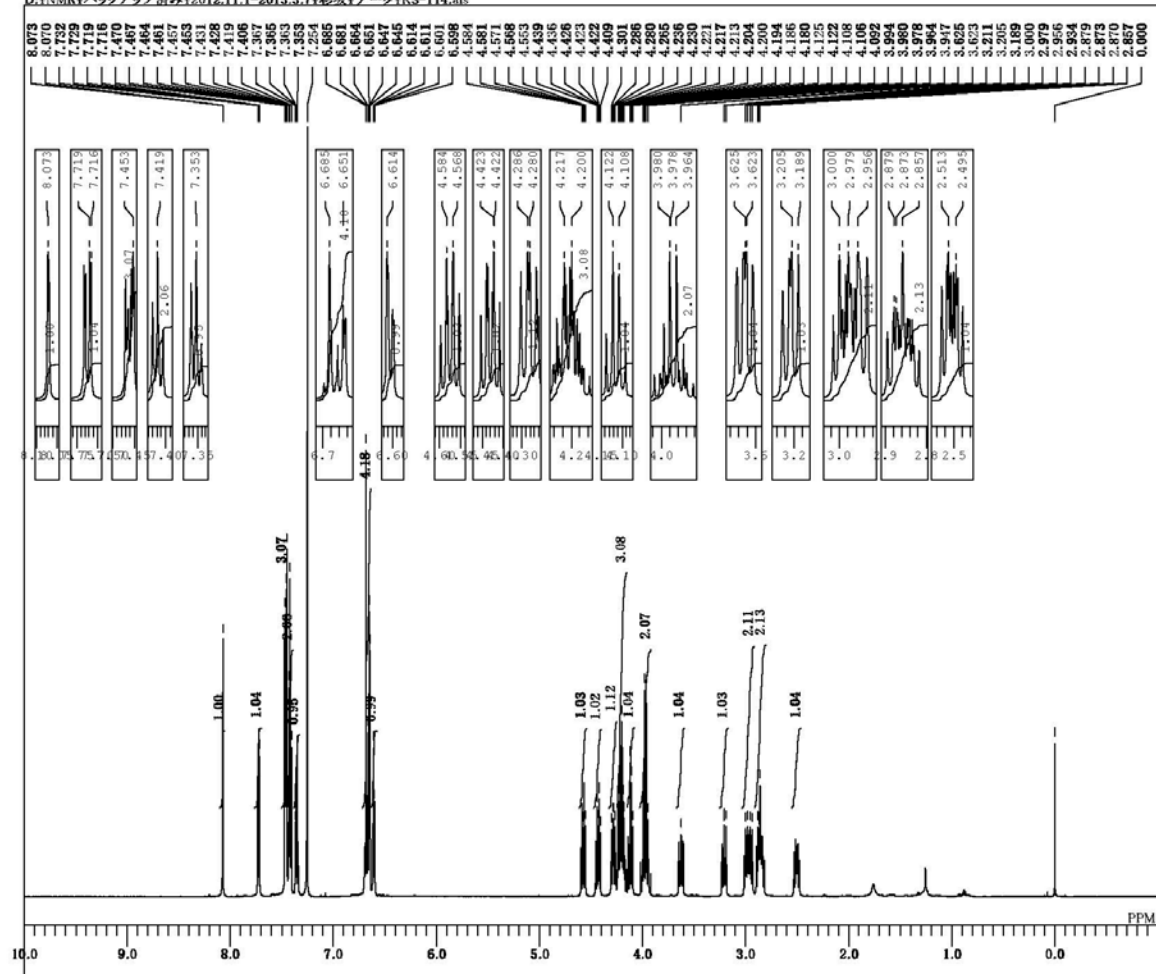


DFILE 13C KS-107.als
 COMNT 13C KS-107
 DATIM 09-02-2013 18:47:23
 OBNUC 13C
 EXMOD single_pulse_dec
 OBFRQ 150.92 MHz
 OBSST 8.52 KHz
 OBFIN 1.74 Hz
 POINT 26214
 FREQU 37878.21 Hz
 SCANS 502
 ACQTM 0.6921 sec
 PD 1.2000 sec
 PW1 2.77 usec
 IRNUC 1H
 CTBMP 20.4 c
 SLVNT CDCL3
 EXREF 77.00 ppm
 BF 0.72 Hz
 RGAIN 56

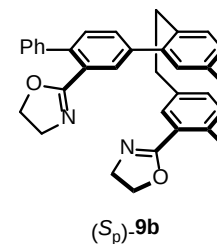


KS-114

D:\NMR\バックアップ済み\2012.11.1-2013.3.7\杉坂Yデータ\KS-114.als

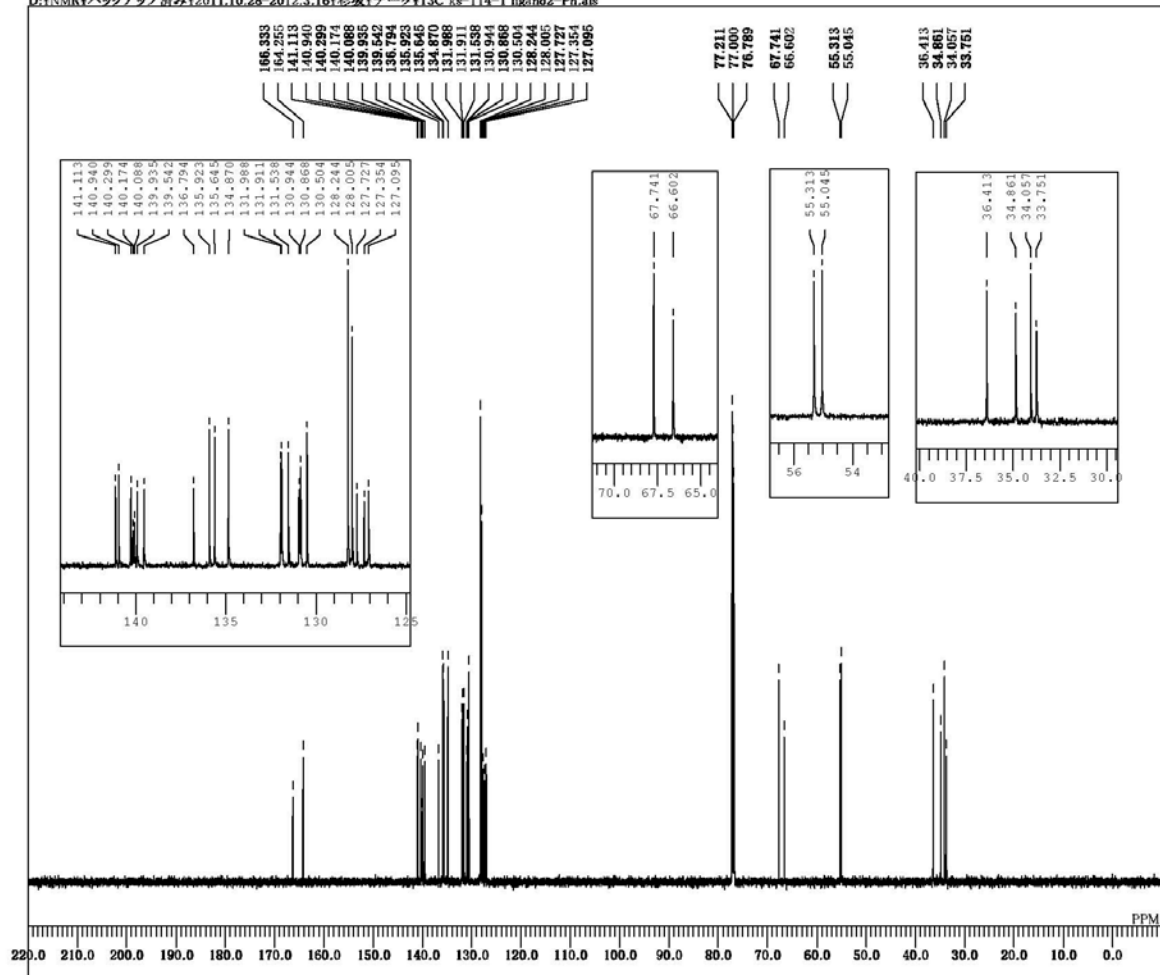


DFILE KS-114.als
COMNT KS-114
DATIM 13-02-2013 14:33:47
IH
EXMOD single_pulse.ex2
OBFRQ 600.17 MHz
OBSETE 5.30 KHz
OBFIN 5.47 Hz
POINT 26214
FREQU 9008.87 Hz
SCANS 8
ACQTM 2.9098 sec
PD 2.0000 sec
PWI 6.75 usec
IH
IRNUC 19.6 c
CDCL3 0.00 ppm
BF 0.17 Hz
RGAIN 36

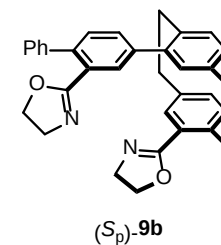


¹³C ks-114-1 ligand2-Ph

D:\NMR\バックアップ済み\2011.10.28-2012.3.16\杉坂Yデータ\¹³C ks-114-1 ligand2-Ph.xls

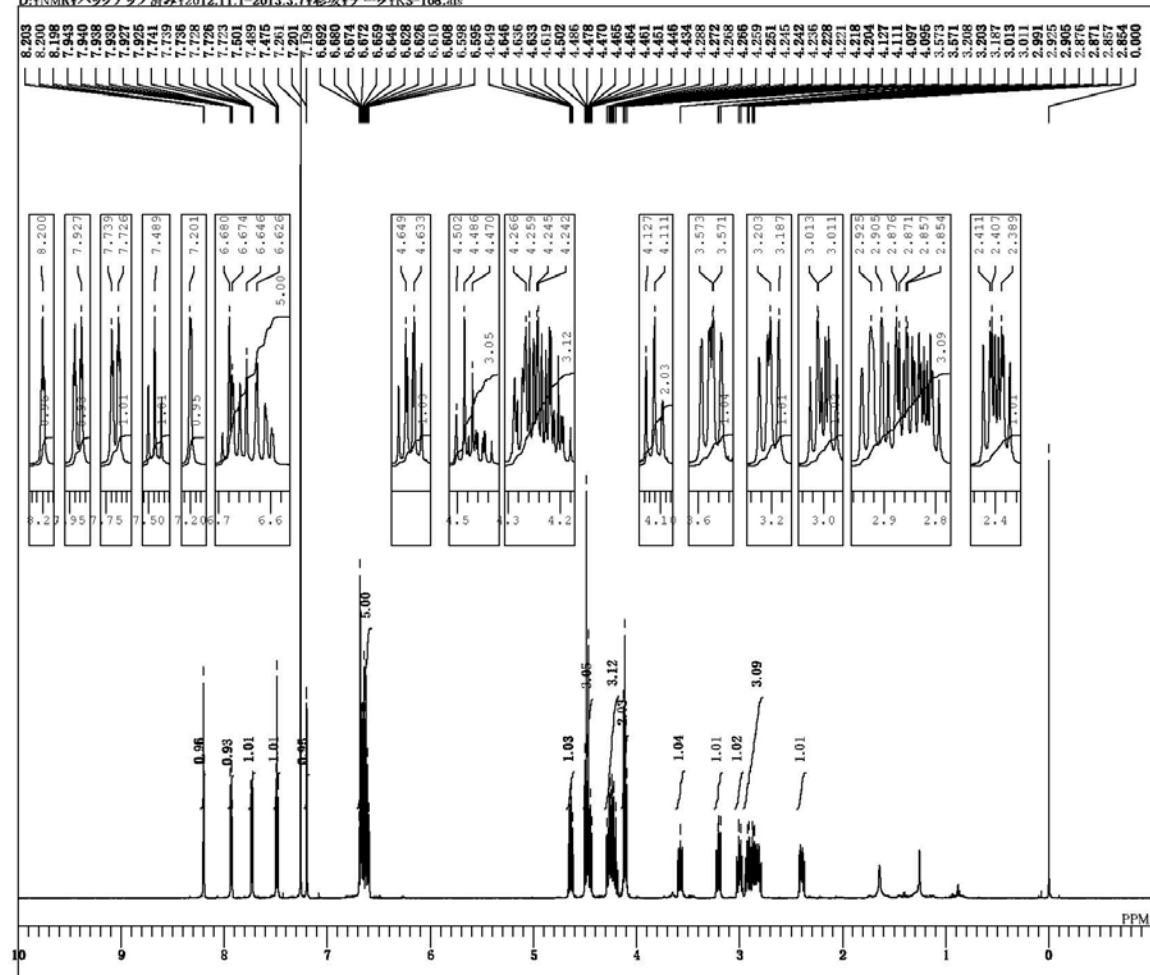


DFILE 13C ks-114-1 ligand2-Ph.xls
 COMNT 13C ks-114-1 ligand2-Ph
 DATIM 02-11-2011 18:58:38
 OBNUC 13C
 EXMOD single_pulse_dec
 OBFRQ 150.92 MHz
 OBSST 8.52 KHz
 OBFIN 1.74 Hz
 POINT 26214
 FREQU 37878.21 Hz
 SCANS 466
 ACQTM 0.6921 sec
 PD 1.2000 sec
 PW1 2.77 usec
 IH 21.9 c
 CDCL3 77.00 ppm
 BF 0.23 Hz
 RGAIN 54

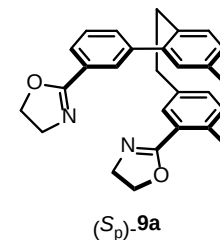


KS-108

D:\NMR\バックアップ済み\2012.11.1-2013.3.7\杉坂Yデータ\KS-108.als

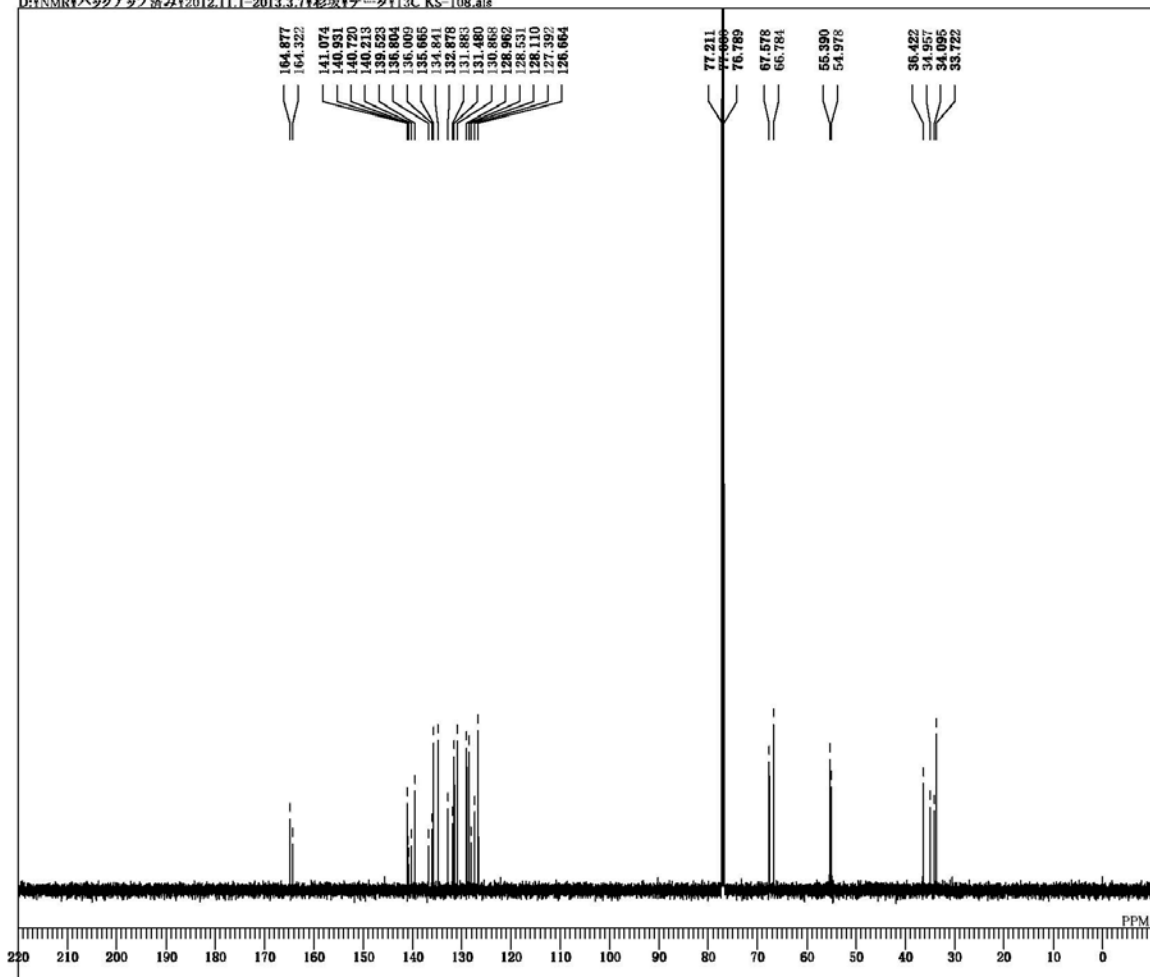


DFILE KS-108.als
COMNT KS-108
DATIM 09-02-2013 18:54:16
IH
EXMOD single_pulse.ex2
OBFRQ 600.17 MHz
OBSEI 5.30 KHz
OBFIN 5.47 Hz
POINT 26214
FREQU 9008.87 Hz
SCANS 8
ACQTM 2.9098 sec
PD 2.0000 sec
PWI 6.75 usec
IH
CTBMP 20.0 c
SLVNT CDCL3
EXREF 0.00 ppm
BF 0.17 Hz
RGAIN 44

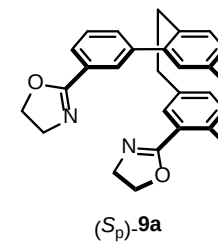


13C KS-108

D:\NMR\バックアップ\活み\2012.11.1-2013.3.7\杉坂\データ\13C KS-108.als

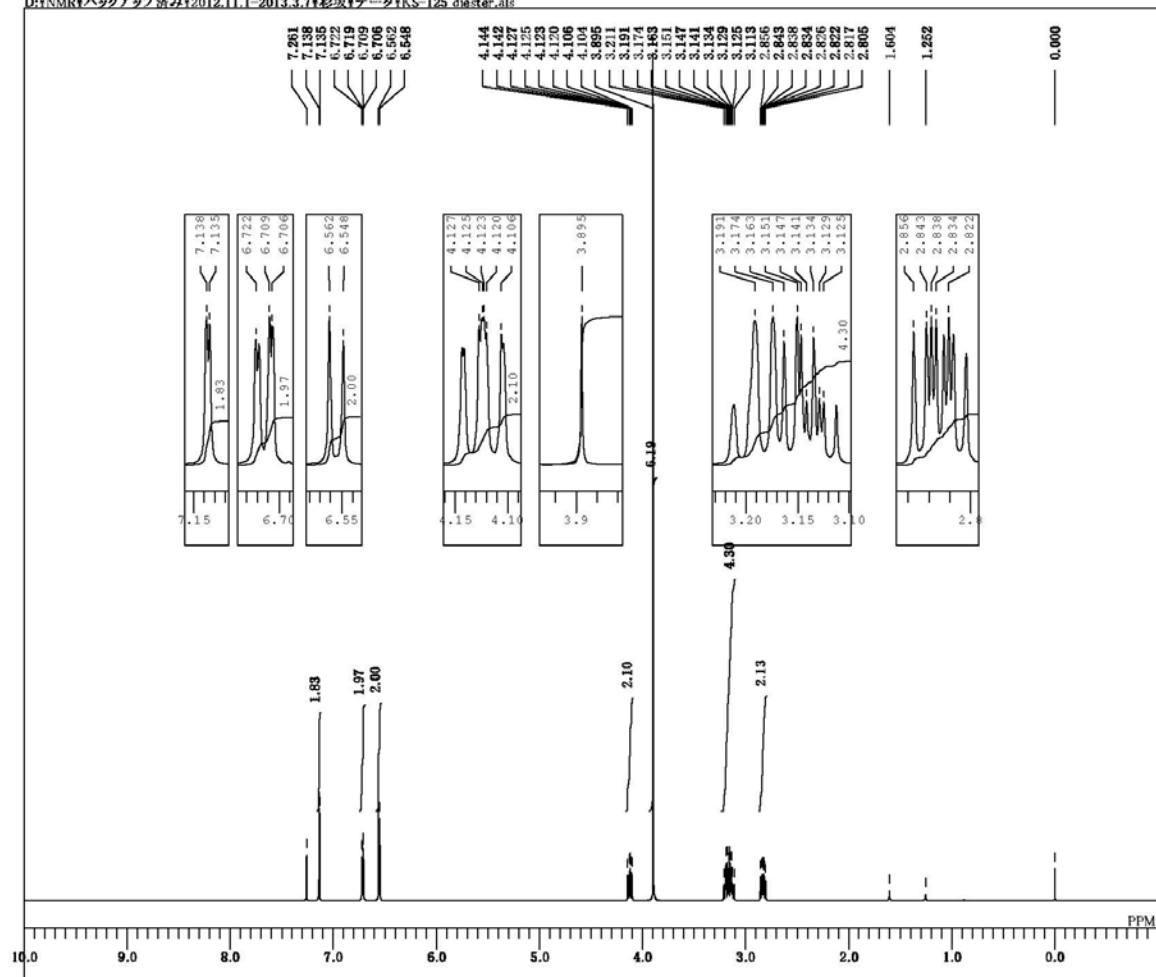


DFILE 13C KS-108.als
 COMNT 13C KS-108
 DATIM 09-02-2013 19:13:06
 OBNUC 13C
 EXMOD single_pulse_dec
 OBFRQ 150.92 MHz
 OBSST 8.52 KHz
 OBFIN 1.74 Hz
 POINT 26214
 FREQU 37878.21 Hz
 SCANS 542
 ACQTM 0.6921 sec
 PD 1.2000 sec
 PW1 2.77 usec
 IRNUC 1H
 CTBMP 20.4 c
 SLVNT CDCL3
 EXREF 77.00 ppm
 BF 0.23 Hz
 RGAIN 56

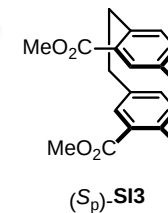


KS-125 diester

D:\NMR\バックアップ済み\2012.11.1-2013.3.7\杉坂Yデータ\KS-125 diester.als

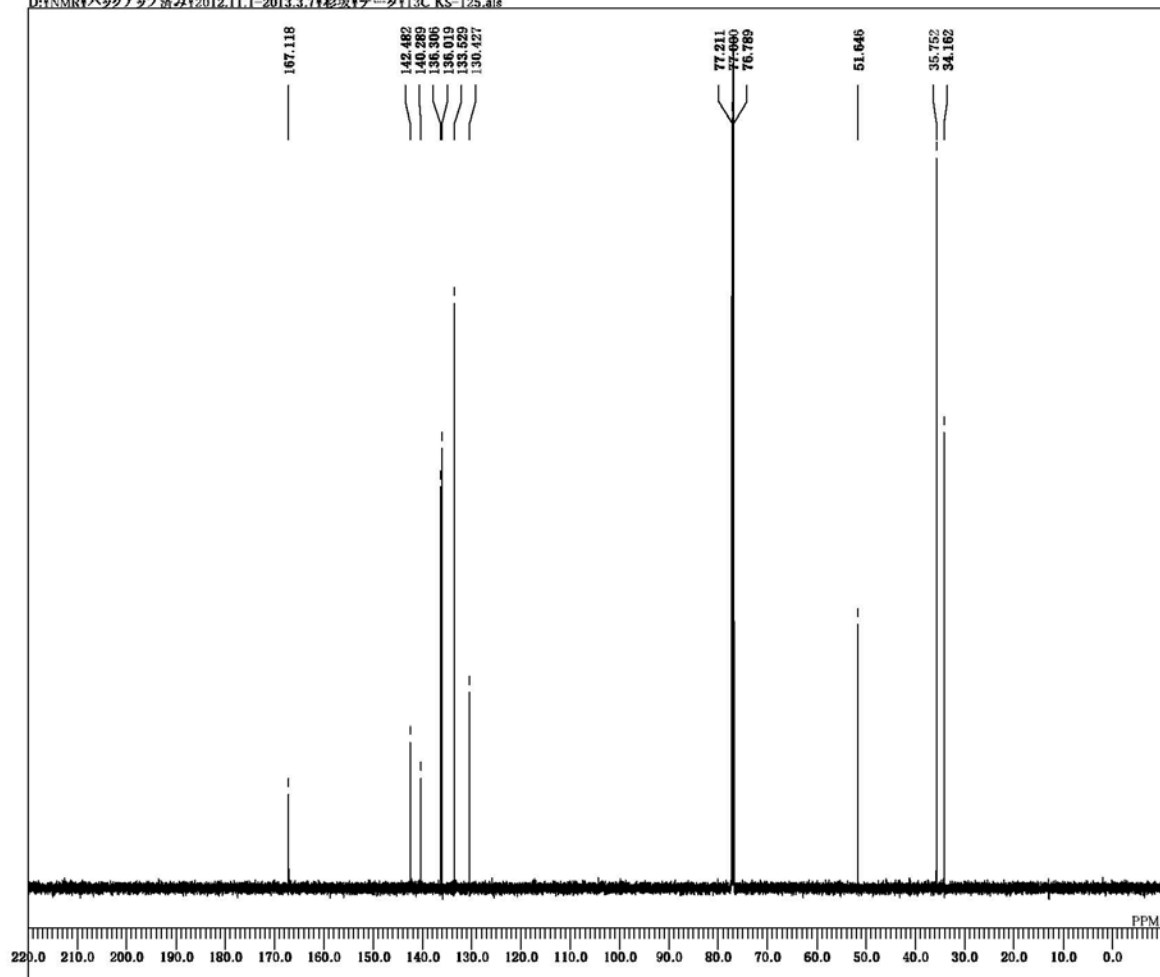


DFILE KS-125 diester.als
 COMNT KS-125 diester
 DATIM 13-02-2013 14:40:55
 IH
 EXMOD single_pulse.ex2
 OBFRQ 600.17 MHz
 OBSST 5.30 KHz
 OBFIN 5.47 Hz
 POINT 26214
 FREQU 9008.87 Hz
 SCANS 8
 ACQTM 2.9098 sec
 PD 2.0000 sec
 PW1 6.75 usec
 IH
 IRNUC 19.6 c
 CDCL3
 BREF 0.00 ppm
 BF 0.17 Hz
 RGAIN 38

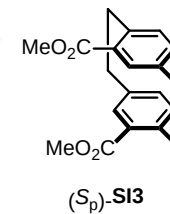


13C KS-125

D:\NMR\バックアップ済み\2012.11.1-2013.3.7\杉坂Yデータ\13C KS-125.a

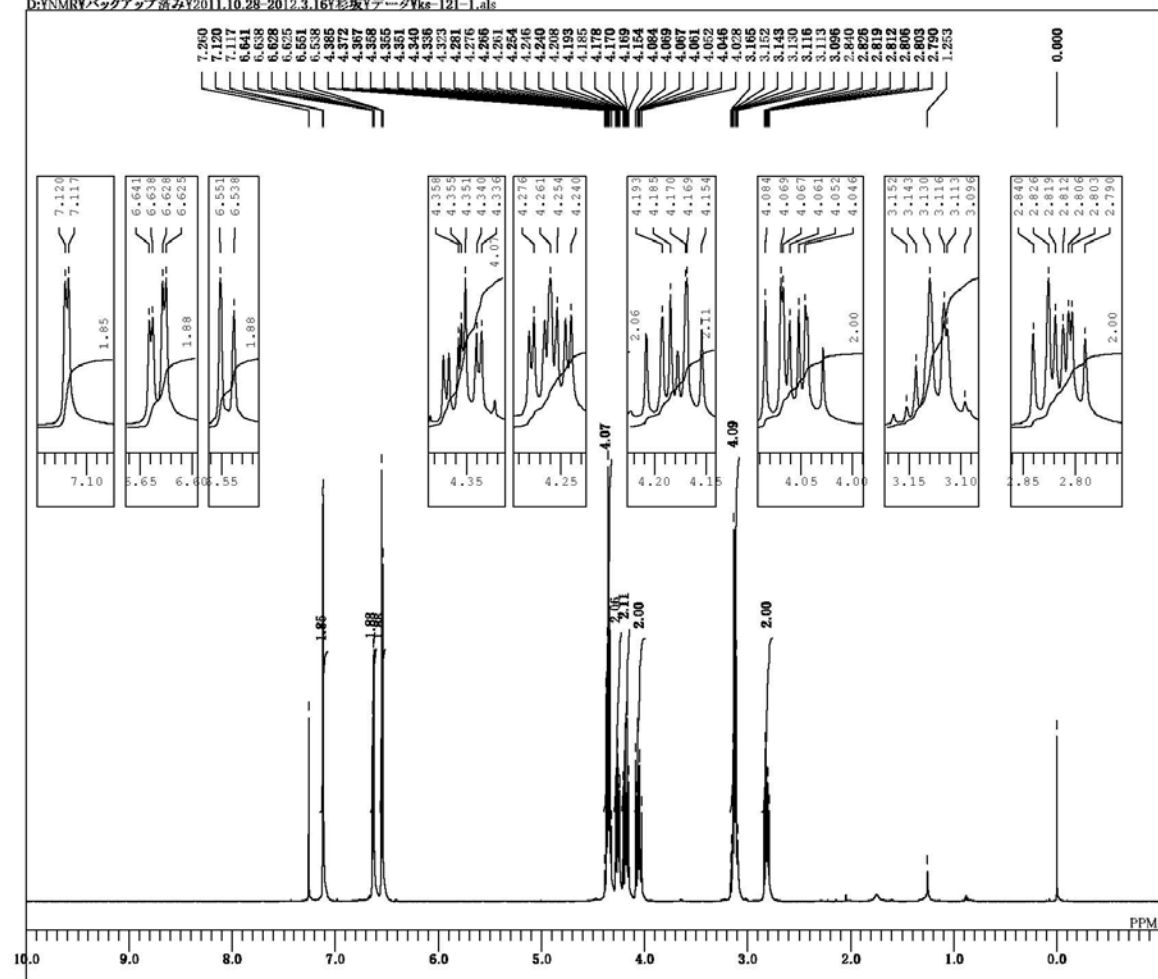


DFILE 13C KS-125.a
 COMNT 13C KS-125
 DATIM 13-02-2013 14:52:54
 OBNUC 13C
 EXMOD single_pulse_dec
 OBFRQ 150.92 MHz
 OBSEI 8.52 KHz
 OBFIN 1.74 Hz
 POINT 26214
 FREQU 37878.21 Hz
 SCANS 342
 ACQTM 0.6921 sec
 PD 1.2000 sec
 PWI 2.77 usec
 IRNUC 1H
 CTBMP 20.2 c
 SLVNT CDCL3
 EXREF 77.00 ppm
 BF 0.23 Hz
 RGAIN 56

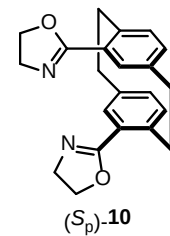


ks-121-1

D:\NMR\バックアップ済み\2011.10.28-2012.3.16\杉坂\データ\ks-121-1.als

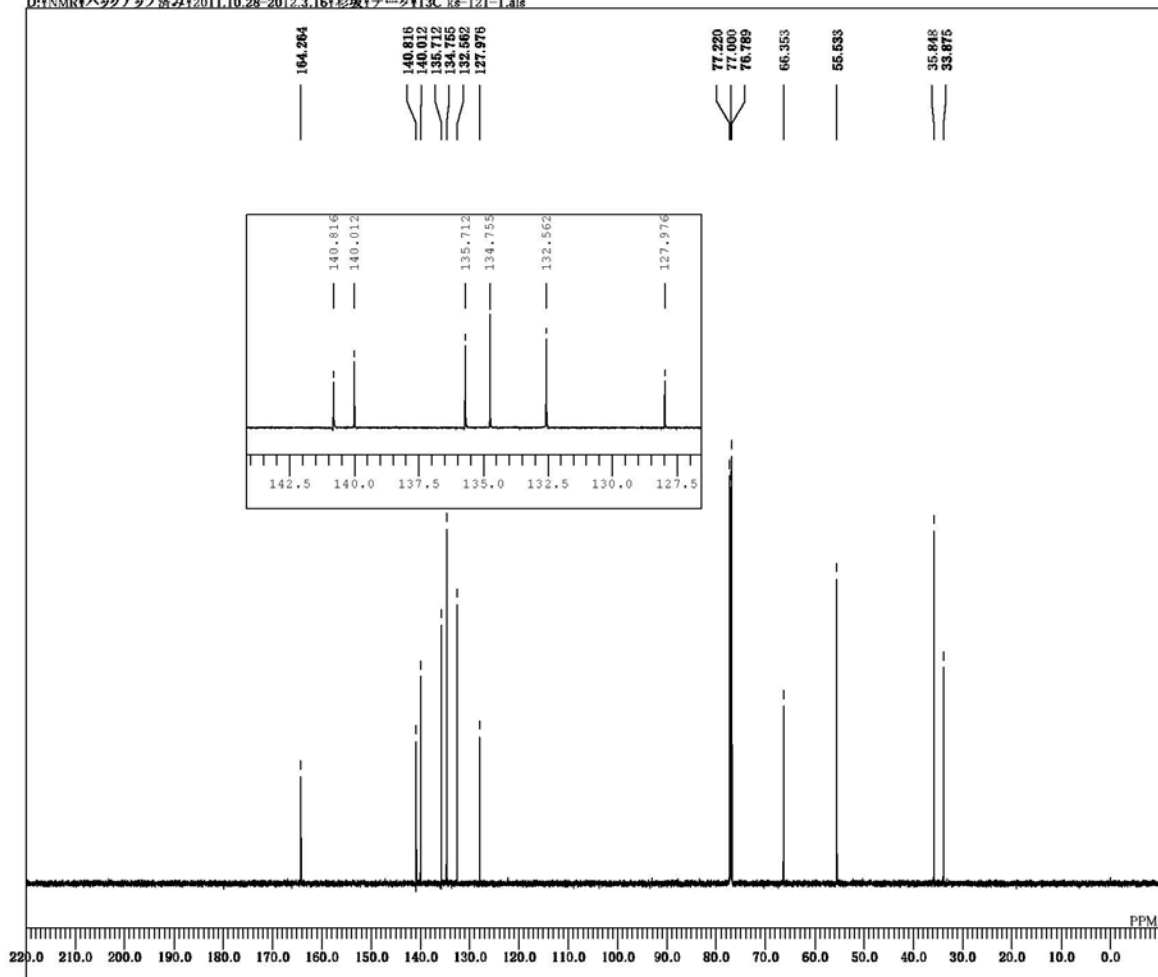


DFILE ks-121-1.als
 COMNT ks-121-1
 DATIM 01-12-2011 19:34:06
 OBNUC 1H
 EXMOD single_pulse.ex2
 OBFRQ 600.17 MHz
 OBSST 5.30 KHz
 OBFIN 5.47 Hz
 POINT 26214
 FREQU 9008.87 Hz
 SCANS 8
 ACQTM 2.9098 sec
 PD 2.0000 sec
 PW1 5.60 usec
 IRNUC 1H
 CTBMP 20.5 c
 SLVNT CDCL3
 BKRBF 0.00 ppm
 BF 0.17 Hz
 RGAIN 38

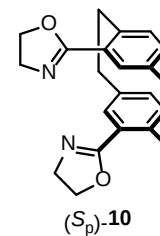


13C ks-121-1

D:\NMR\バックアップ済み\2011.10.28-2012.3.16\杉坂Yデータ\13C ks-121-1.als

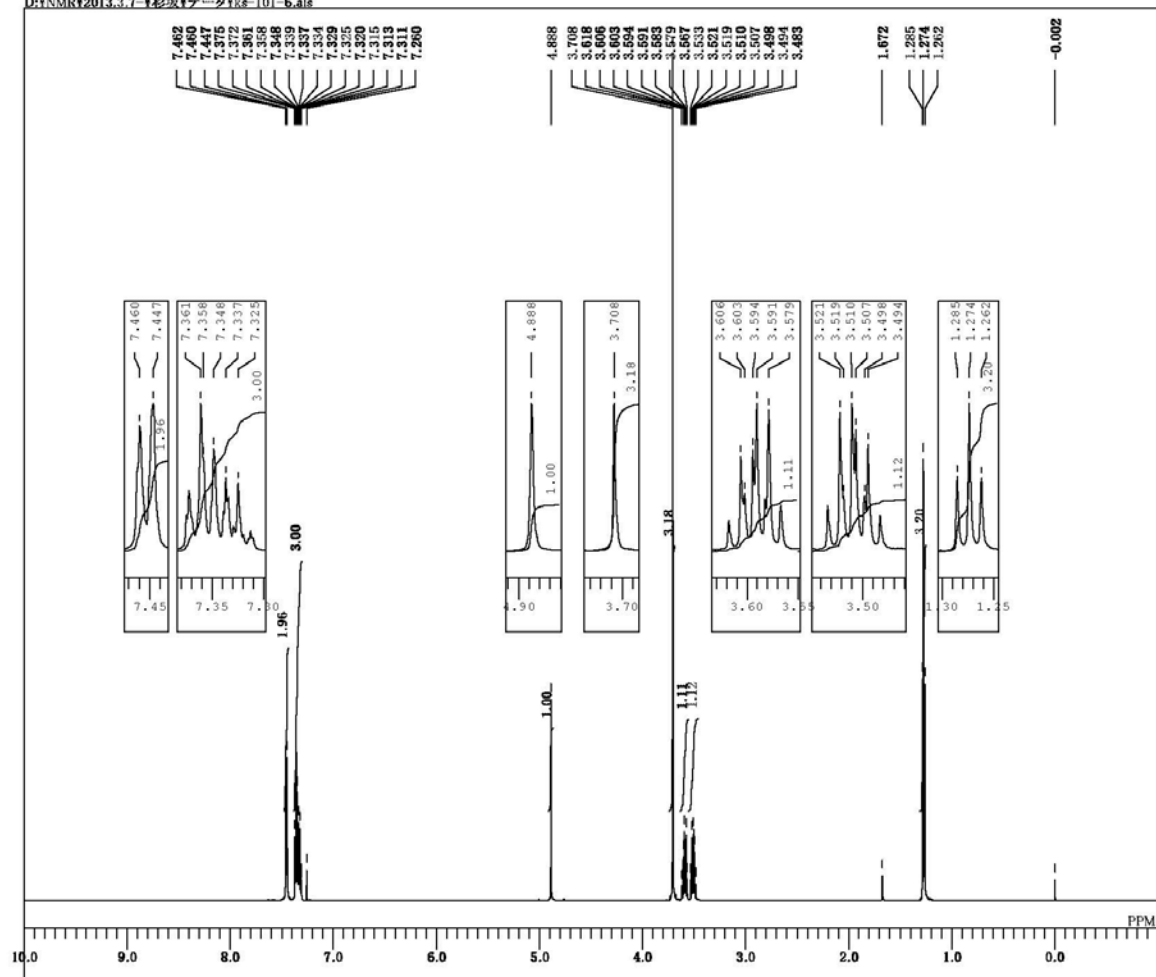


DFILE 13C ks-121-1.als
 COMNT 13C ks-121-1
 DATIM 01-12-2011 20:05:18
 OBNUC 13C
 EXMOD single_pulse_dec
 OBFRQ 150.92 MHz
 OBSST 8.52 KHz
 OBFIN 1.74 Hz
 POINT 26214
 FREQU 37878.21 Hz
 SCANS 946
 ACQTM 0.6921 sec
 PD 1.2000 sec
 PW1 2.77 usec
 IRNUC 1H
 CTBMP 21.3 c
 SLVNT CDCL3
 EXREF 77.00 ppm
 BF 0.17 Hz
 RGAIN 56

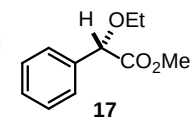


ks-101-6

D:\NMR\2013.3.7-異形体データ\ks-101-6.als

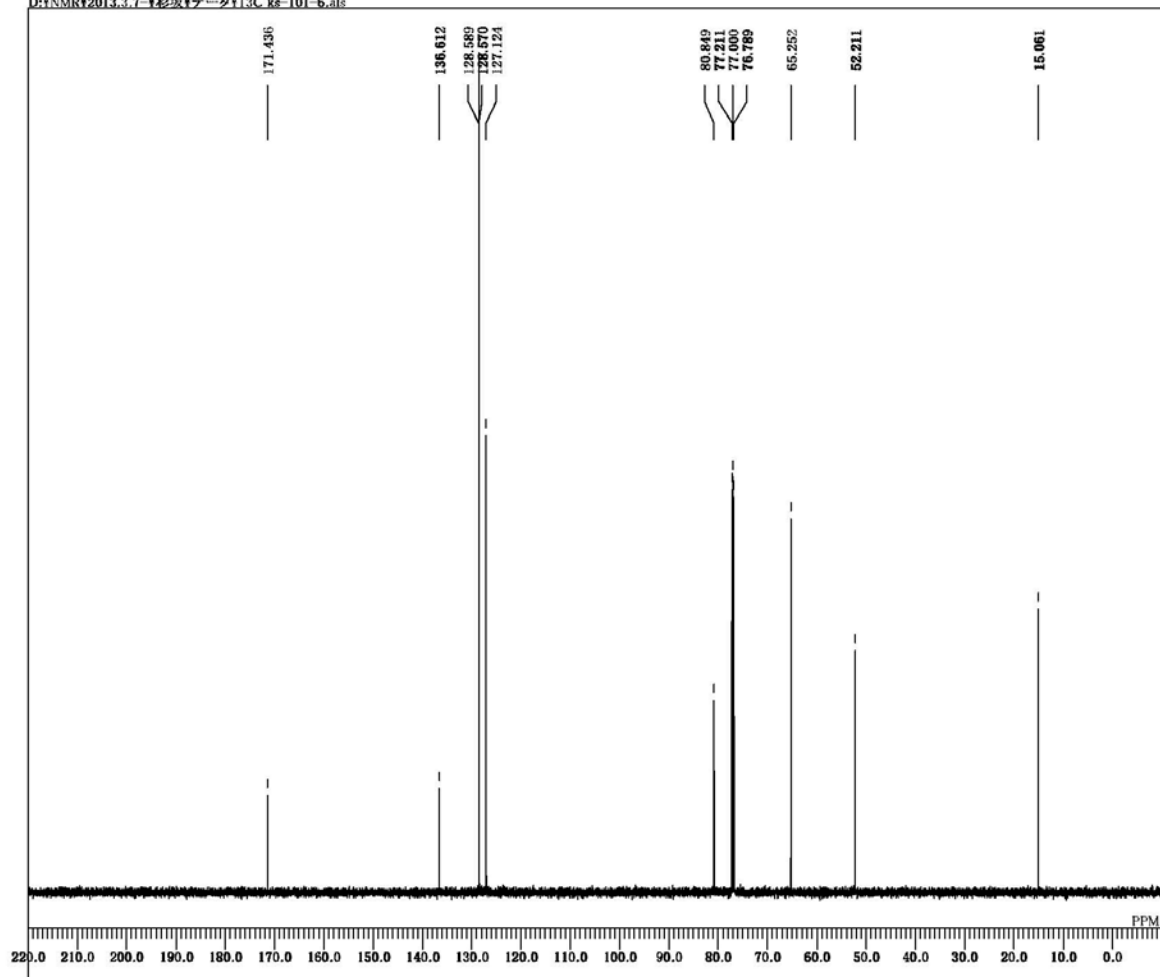


D:\NMR\2013.3.7-異形体データ\ks-101-6.als
ks-101-6
08-03-2013 09:59:56
1H
single_pulse.ex2
600.17 MHz
5.30 KHz
5.47 Hz
26214
9008.87 Hz
8
2.9098 sec
2.0000 sec
6.75 usec
1H
20.6 c
CDCl3
7.26 ppm
0.17 Hz
32

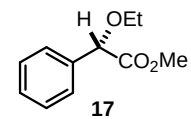


13C ks-101-6

D:\NMR\2013.3.7-ヤシタデータ\13C_ks-101-6.als

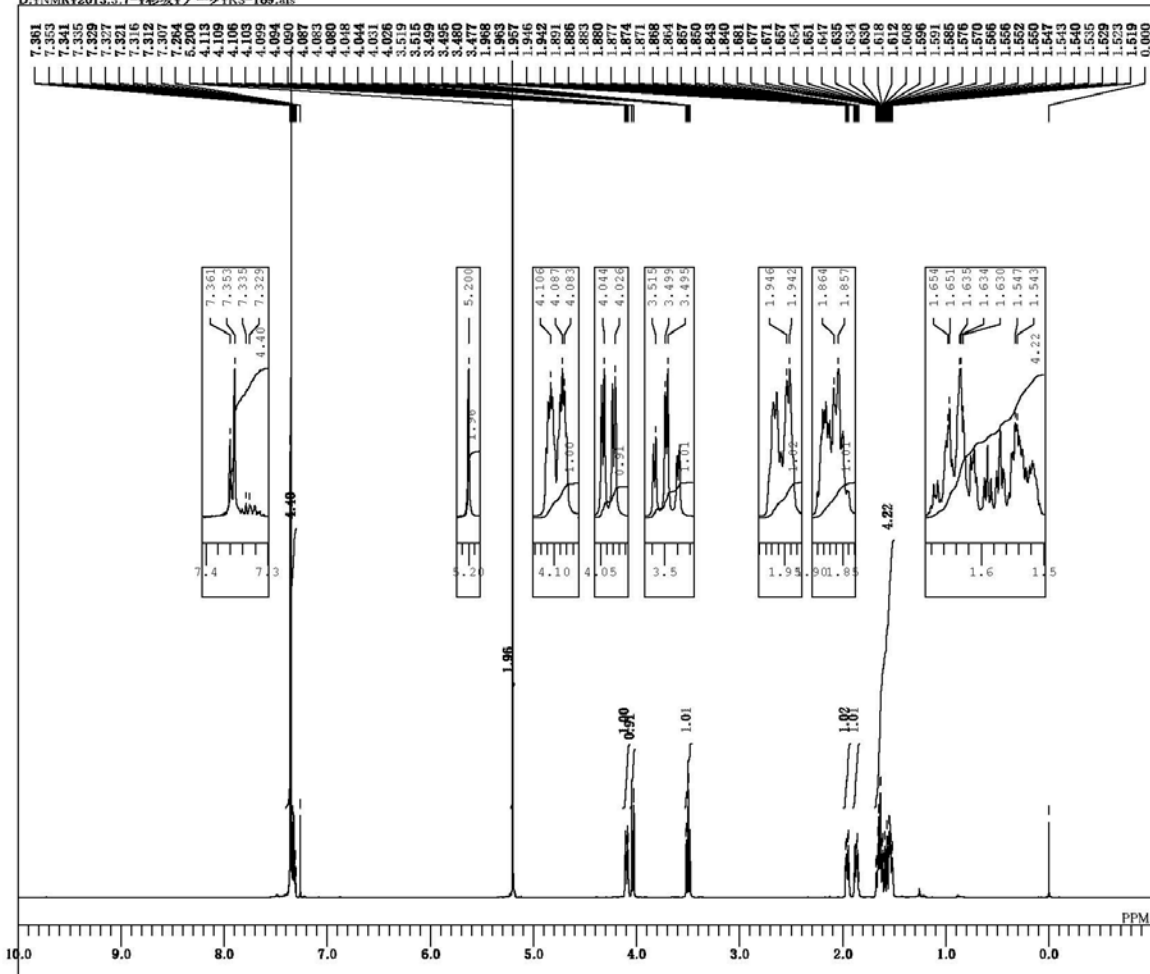


DFILE 13C ks-101-6.als
 COMNT 13C ks-101-6
 DATIM 08-03-2013 10:06:36
 OBNUC 13C
 EXMOD single_pulse_dec
 OBFRQ 150.92 MHz
 OBSET 8.52 KHz
 OBFIN 1.74 Hz
 POINT 26214
 FREQU 37878.21 Hz
 SCANS 170
 ACQTM 0.6921 sec
 PD 1.2000 sec
 PW1 2.77 usec
 IRNUC 1H
 CTBMP 21.2 c
 SLVNT CDCL3
 EXREF 77.00 ppm
 BF 0.17 Hz
 RGAIN 56

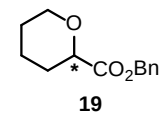


KS-169

D:\NMR\2013.3.7-異形体データ\KS-169.als

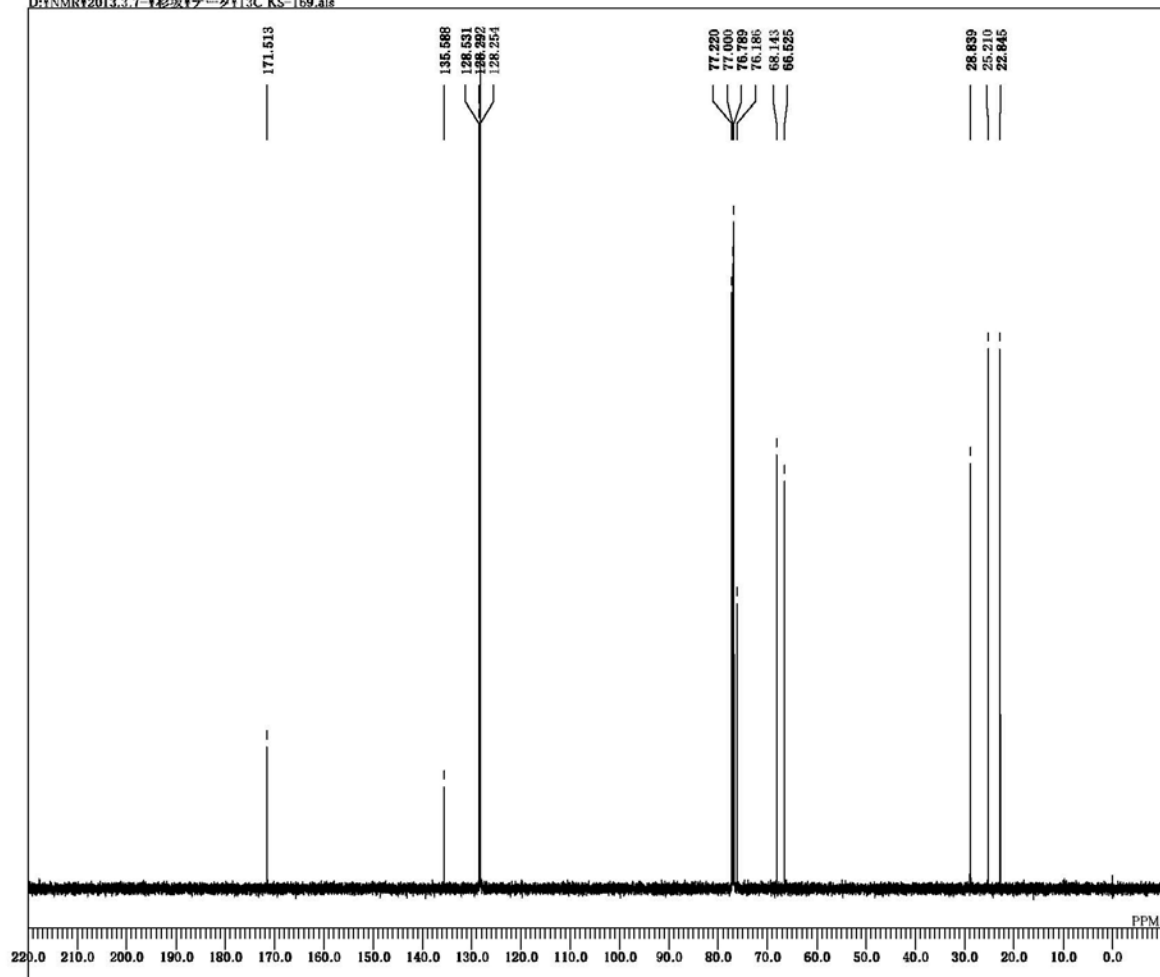


DFILE KS-169.als
 COMNT KS-169
 DATIM 18-03-2013 17:18:20
 I1H
 EXMOD single_pulse.ex2
 OBFRQ 600.17 MHz
 OBSST 5.30 KHz
 OBFIN 5.47 Hz
 POINT 26214
 FREQU 9008.87 Hz
 SCANS 8
 ACQTM 2.9098 sec
 PD 2.0000 sec
 PW1 6.75 usec
 I1H
 CTBMP 21.2 c
 SLVNT CDCL3
 BXRBF 0.00 ppm
 BF 0.17 Hz
 RGAIN 36

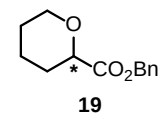


13C KS-169

D:\NMR\2013.3.7-ヤシタデータ\13C KS-169.a

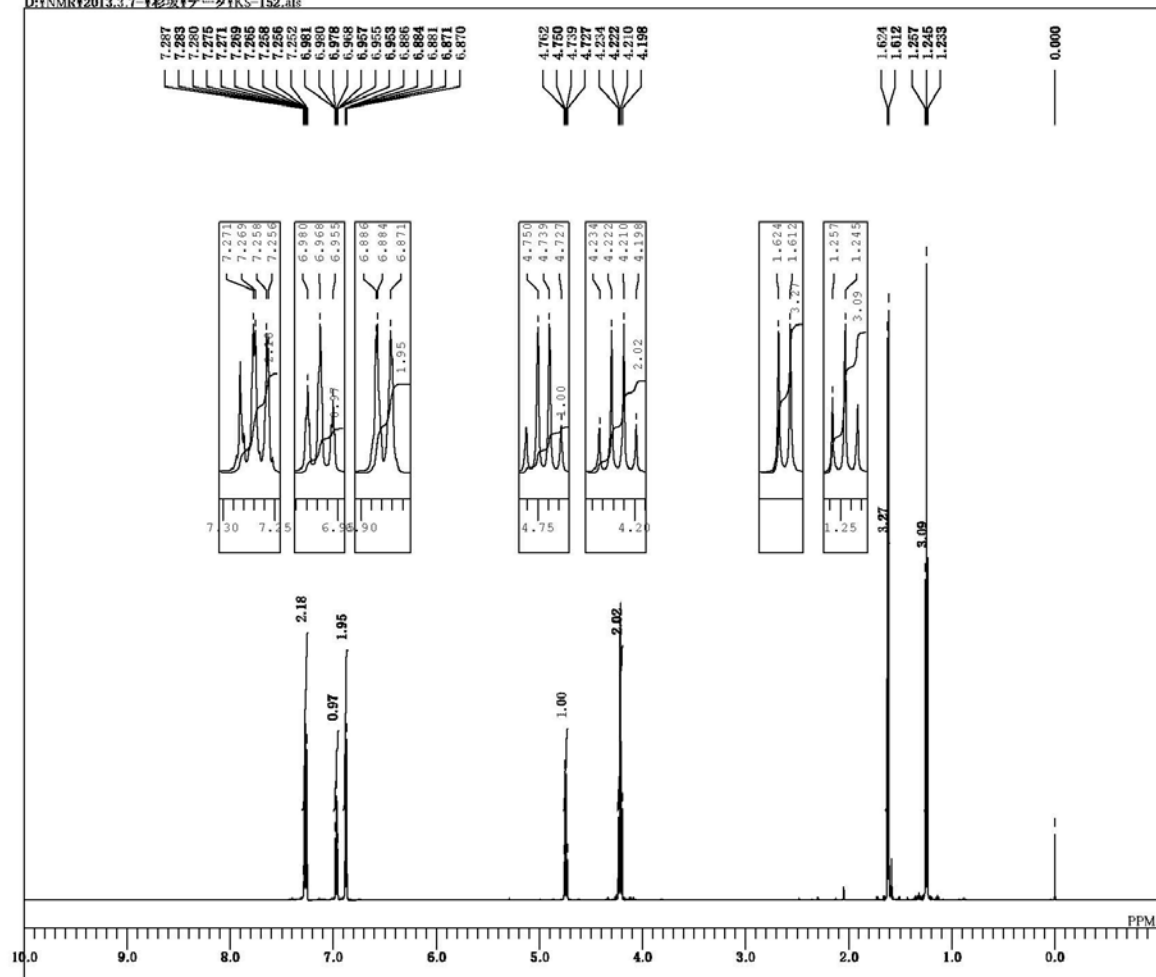


DFILE 13C KS-169.a
 COMNT 13C KS-169
 DATIM 18-03-2013 17:26:04
 OBNUC 13C
 EXMOD single_pulse_dec
 OBFRQ 150.92 MHz
 OBSET 8.52 KHz
 OBFIN 1.74 Hz
 POINT 26214
 FREQU 37878.21 Hz
 SCANS 210
 ACQTM 0.6921 sec
 PD 1.2000 sec
 PW1 2.77 usec
 IRNUC 1H
 CTBMP 21.6 c
 SLVNT CDCL3
 EXREF 77.00 ppm
 BF 0.72 Hz
 RGAIN 54

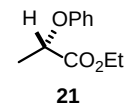


insertion PhOH racemic

D:\NMR\2013.3.7-異形体データ\KS-152.als

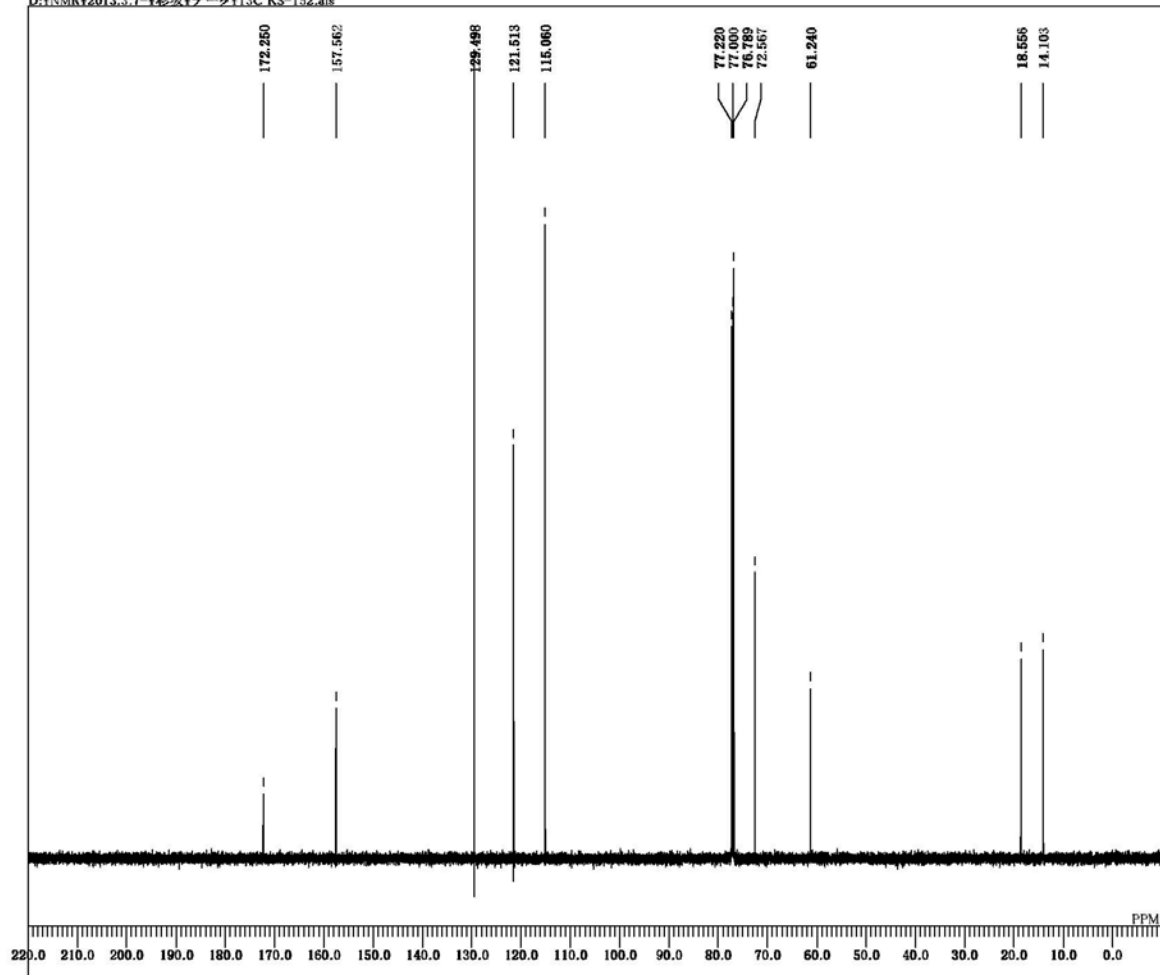


D:\NMR\2013.3.7-異形体データ\KS-152.als
 COMNT insertion PhOH racemic
 DATIM 16-03-2013 17:48:17
 OBNUC 1H
 EXMOD single_pulse.ex2
 OBFRQ 600.17 MHz
 OBSST 5.30 KHz
 OBFIN 5.47 Hz
 POINT 26214
 FREQU 9008.87 Hz
 SCANS 8
 ACQTM 2.9098 sec
 PD 2.0000 sec
 PW1 6.75 usec
 IRNUC 1H
 CTBMP 21.4 c
 SLVNT CDCL3
 BKRF 0.00 ppm
 BF 0.23 Hz
 RGAIN 38

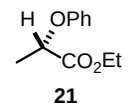


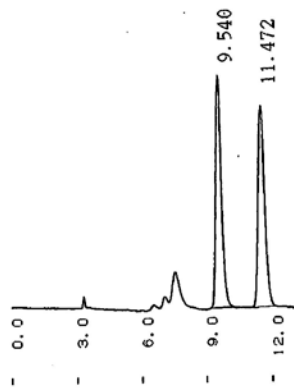
13C insertion PhOH racemi

D:\NMR\2013.3.7-ヤシタデータ\13C KS-152.als



DFILE 13C KS-152.als
 COMNT 13C insertion PhOH racemi
 DATIM 16-03-2013 17:55:12
 OBNUC 13C
 EXMOD single_pulse_dec
 OBFRQ 150.92 MHz
 OBSEF 8.52 KHz
 OBFIN 1.74 Hz
 POINT 26214
 FREQU 37878.21 Hz
 SCANS 242
 ACQTM 0.6921 sec
 PD 1.2000 sec
 PWI 2.77 usec
 IRNUC 1H
 CTBMP 21.8 c
 SLVNT CDCL3
 EXREF 77.00 ppm
 BF 0.23 Hz
 RGAIN 54

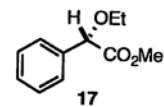




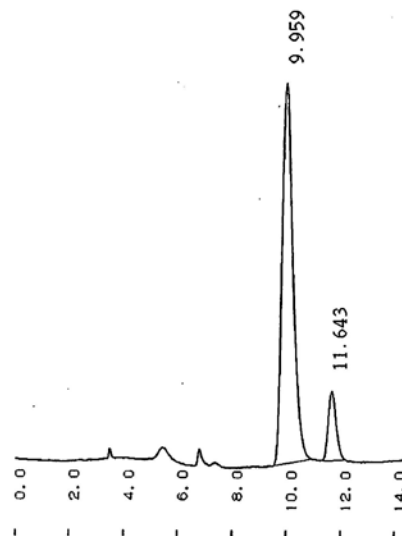
rac.

** 定量計算結果 **

CH	PKNO	TIME	AREA	HEIGHT	MK	IDNO	CONC	NAME
1	1	9.54	44220	2436			50.1159	
2	2	11.472	44015	2109			49.8841	
TOTAL			88235	4544			100	

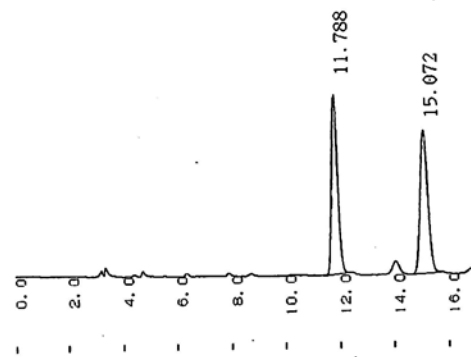


76% ee (Table 1, Entry 5)
OD-H, hexane:IPA = 99.5:0.5
254 nm, flow rate: 1.0 mL/min



** 定量計算結果 **

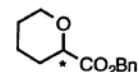
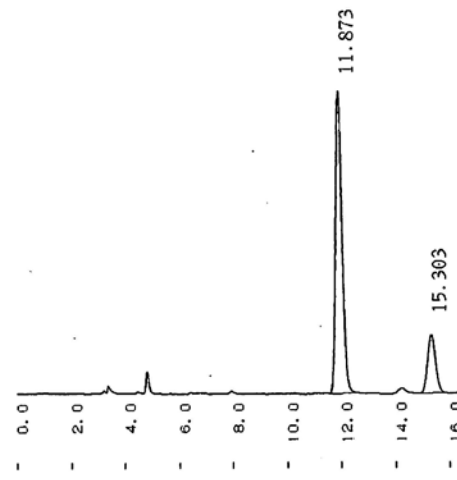
CH	PKNO	TIME	AREA	HEIGHT	MK	IDNO	CONC	NAME
1	1	9.959	107998	3982			87.8211	
2	2	11.643	14977	726			12.1789	
TOTAL			122974	4708			100	



rac.

** 定量計算結果 **

CH	PKNO	TIME	AREA	HEIGHT	MK	IDNO	CONC	NAME
1	1	11.788	59294	3749			50.1464	
2	2	15.072	58947	2991			49.8536	
TOTAL			118241	6740			100	



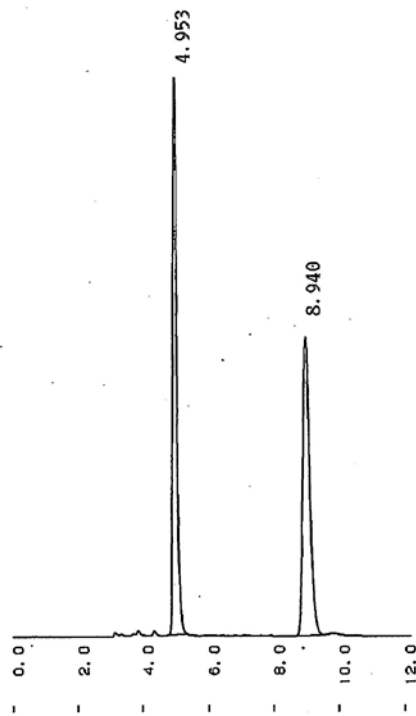
19

61% ee (Table 2, Entry 1)
AS-H, hexane:IPA = 97:3
254 nm, flow rate: 1.0 mL/min

** 定量計算結果 **

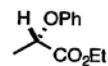
CH	PKNO	TIME	AREA	HEIGHT	MK	IDNO	CONC	NAME
1	1	11.873	104101	6381			80.6342	
2	2	15.303	25002	1225			19.3658	
TOTAL			129103	7606			100	

CHROMATOPAC C-R7A CH=1 REPORT No.=8 /p7/1:1:0CHRM1.C00 13/07/11 12:48:38



rac.

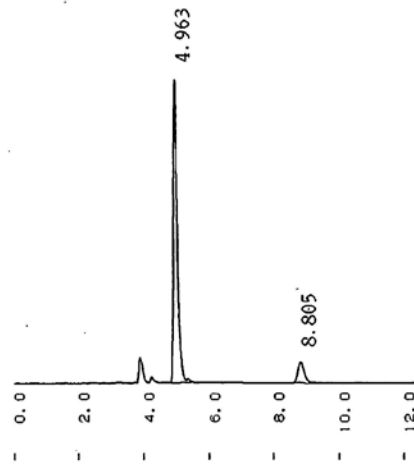
CH	PKNO	TIME	AREA	HEIGHT	MK	IDNO	CONC	NAME
1	1	4.953	738628	93156			50.0178	
2	2	8.94	738102	50094			49.9822	
TOTAL							1476730	143250
							100	



21

80% ee (Table 3, Entry 3)
OD-H, hexane:IPA = 9:1
254 nm, flow rate: 1.0 mL/min

CHROMATOPAC C-R7A CH=1 REPORT No.=8 /p7/1:1:0CHRM1.C00 12/05/31 21:33:20



CH	PKNO	TIME	AREA	HEIGHT	MK	IDNO	CONC	NAME
1	1	4.963	411130	50687			89.9149	
2	2	8.805	46114	3482			10.0851	
TOTAL							457244	54169
							100	