

Figure S47. LC/MS data for the crude reaction to yield 4{7}.

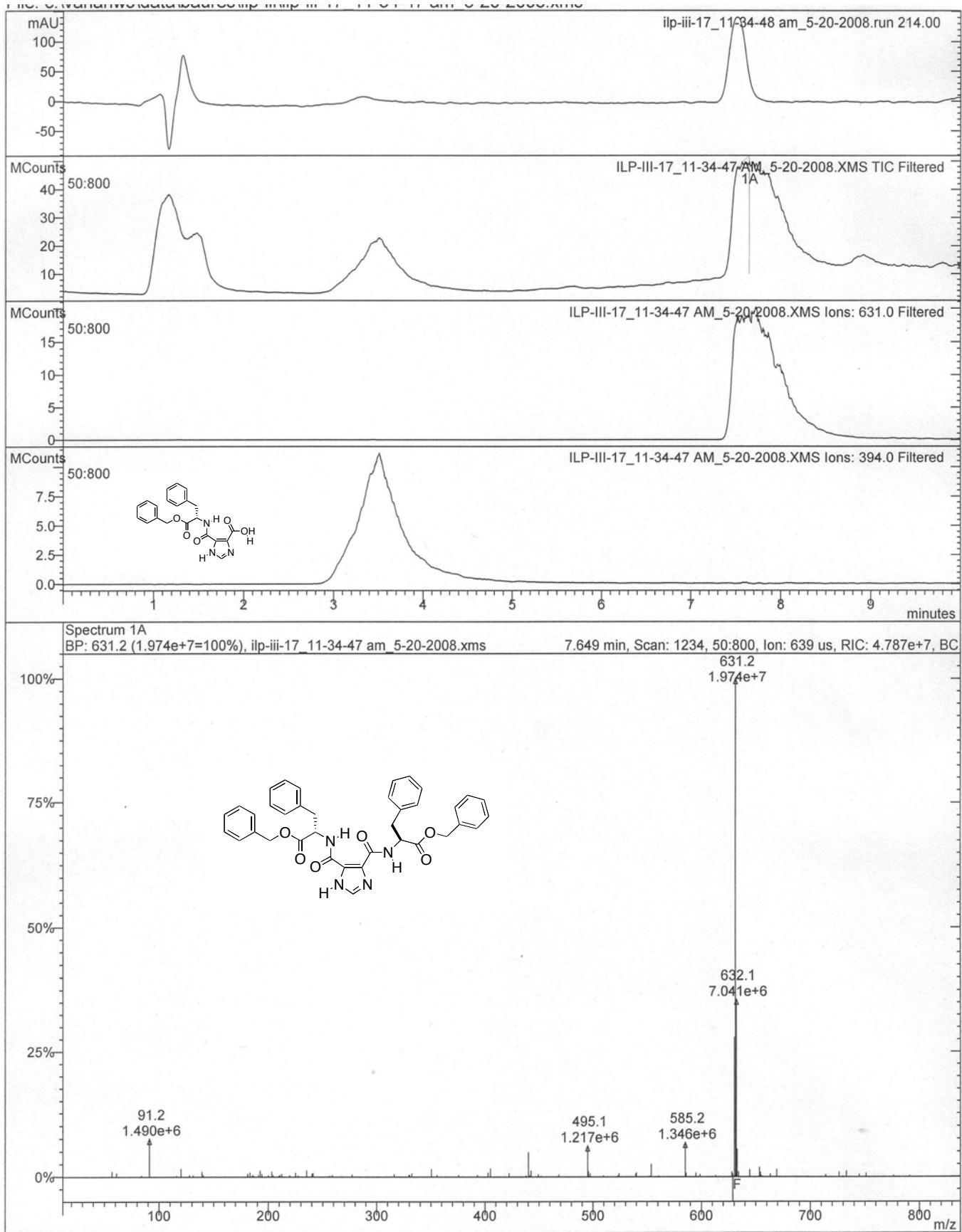


Figure S48. LC/MS data for the crude reaction to yield 4{8}.

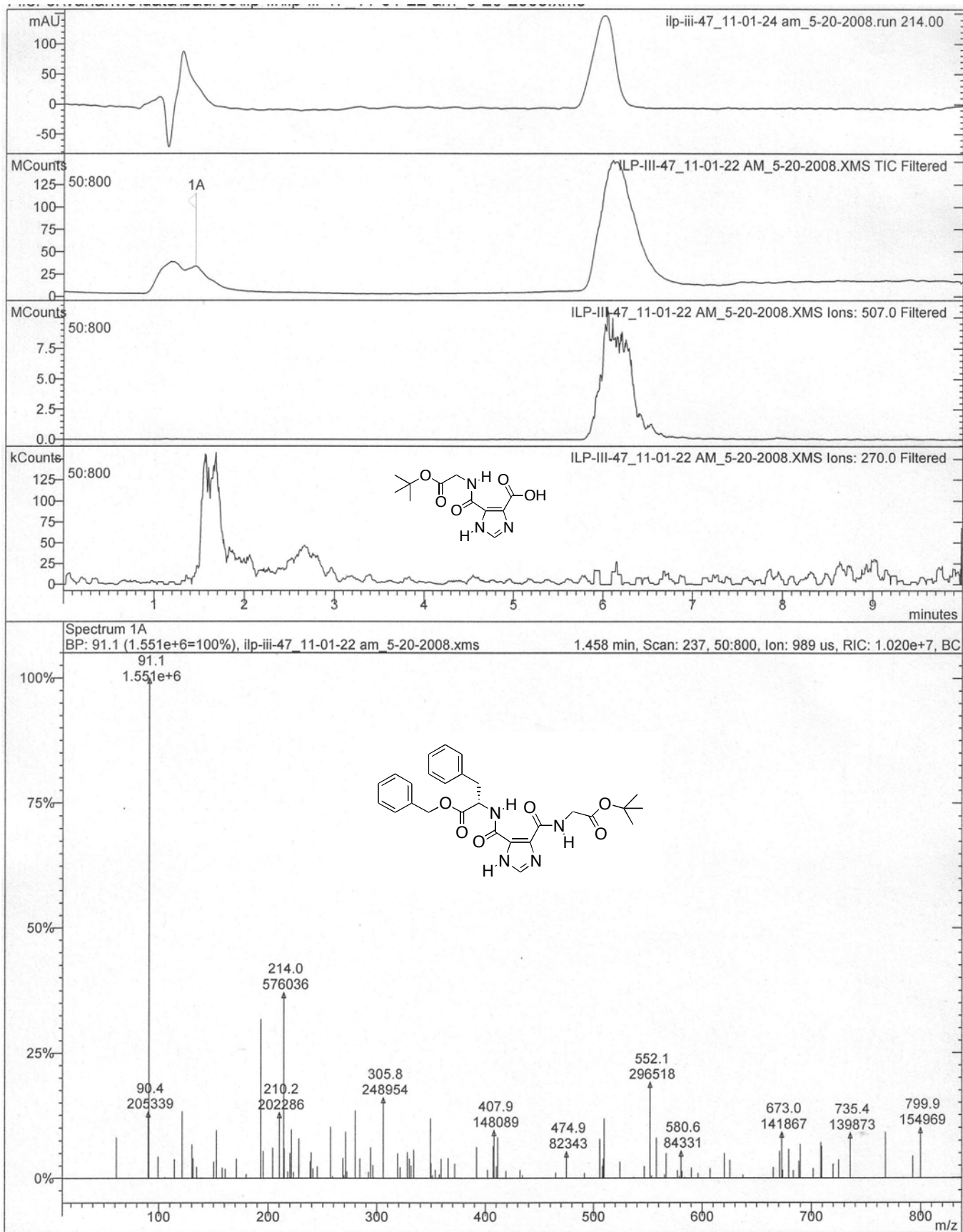


Figure S49. LC/MS data for the crude reaction to yield 4{16}.

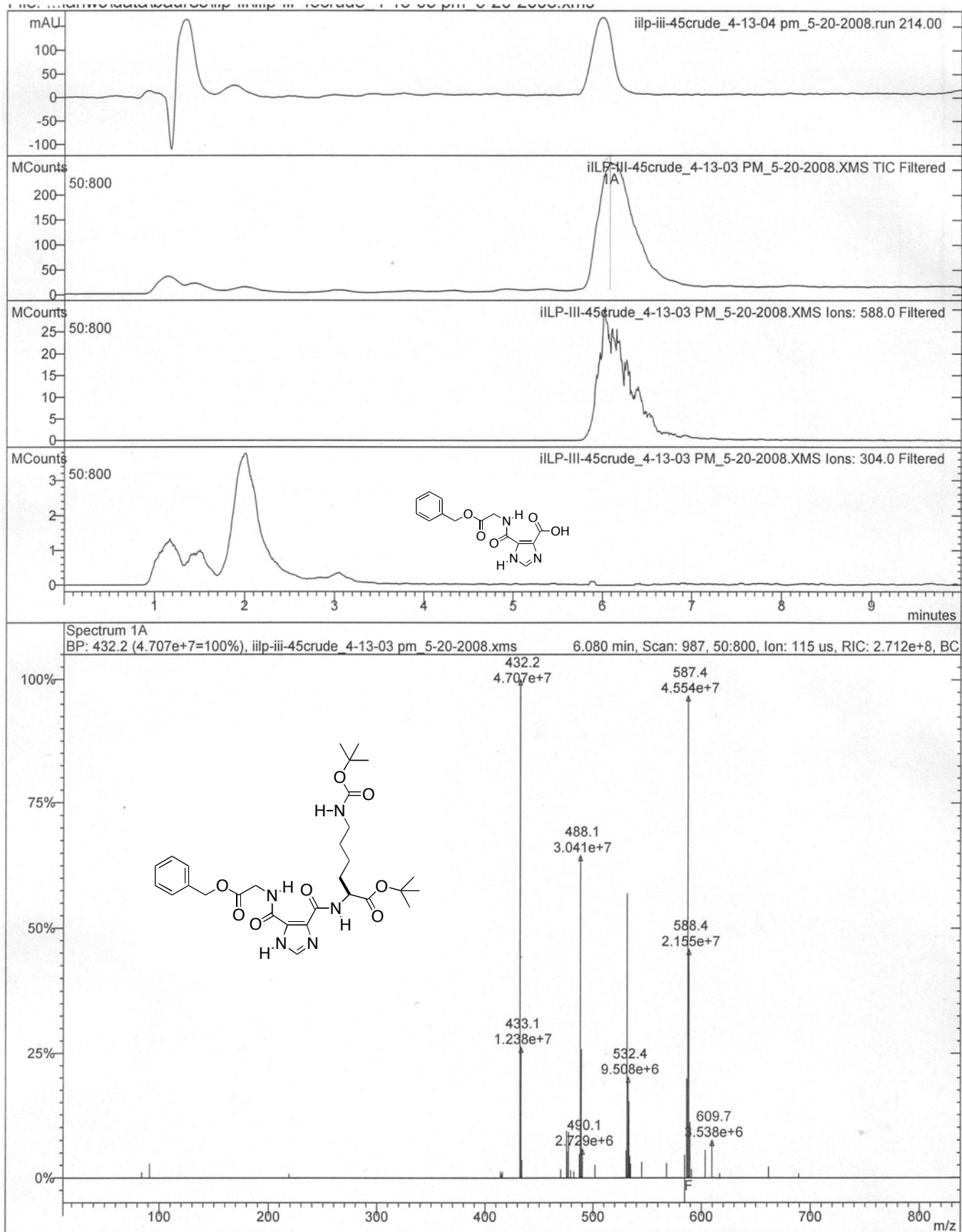


Figure S50. LC/MS data for the crude reaction to yield 4{24}.

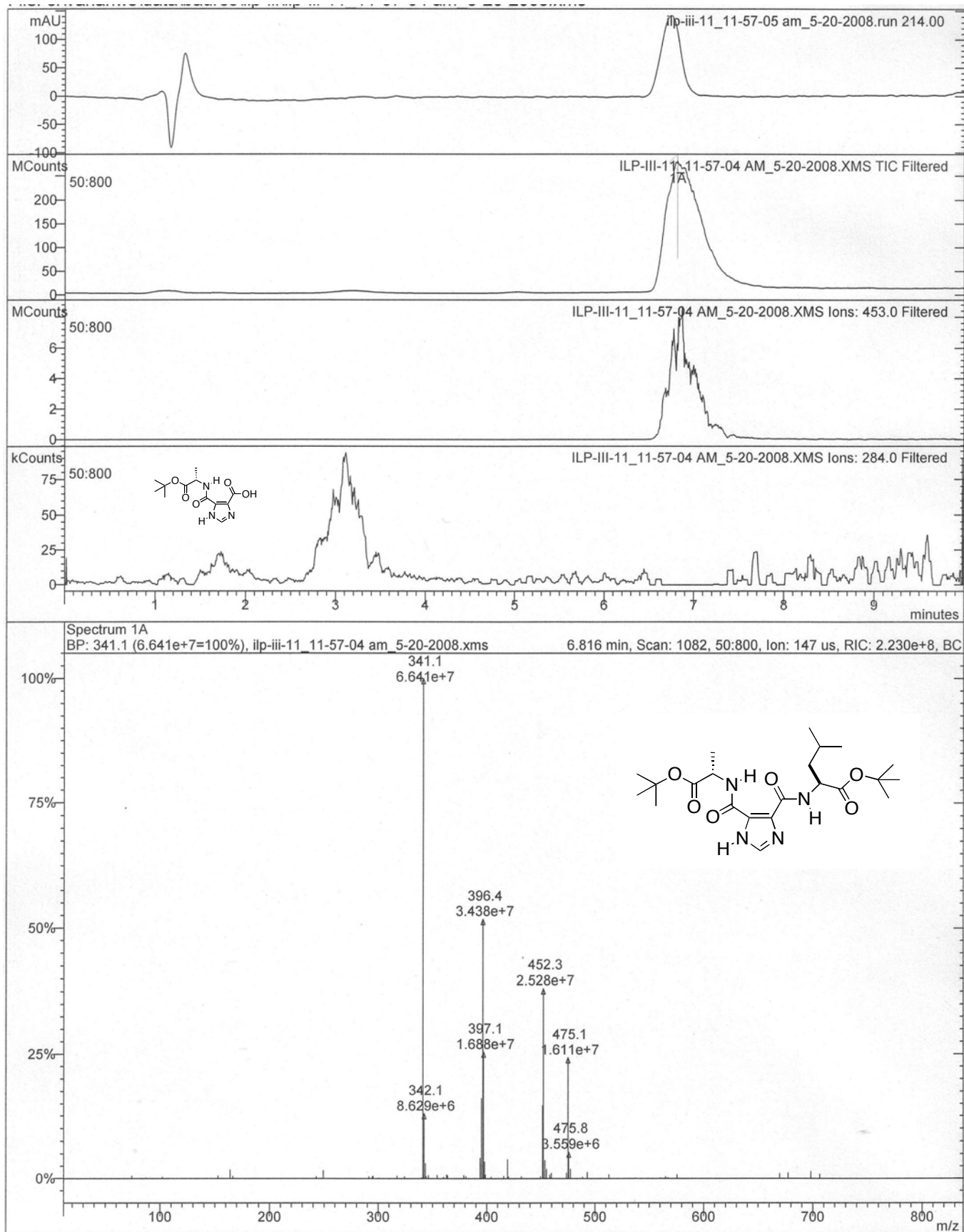


Figure S51. LC/MS data for the crude reaction to yield 4{26}.

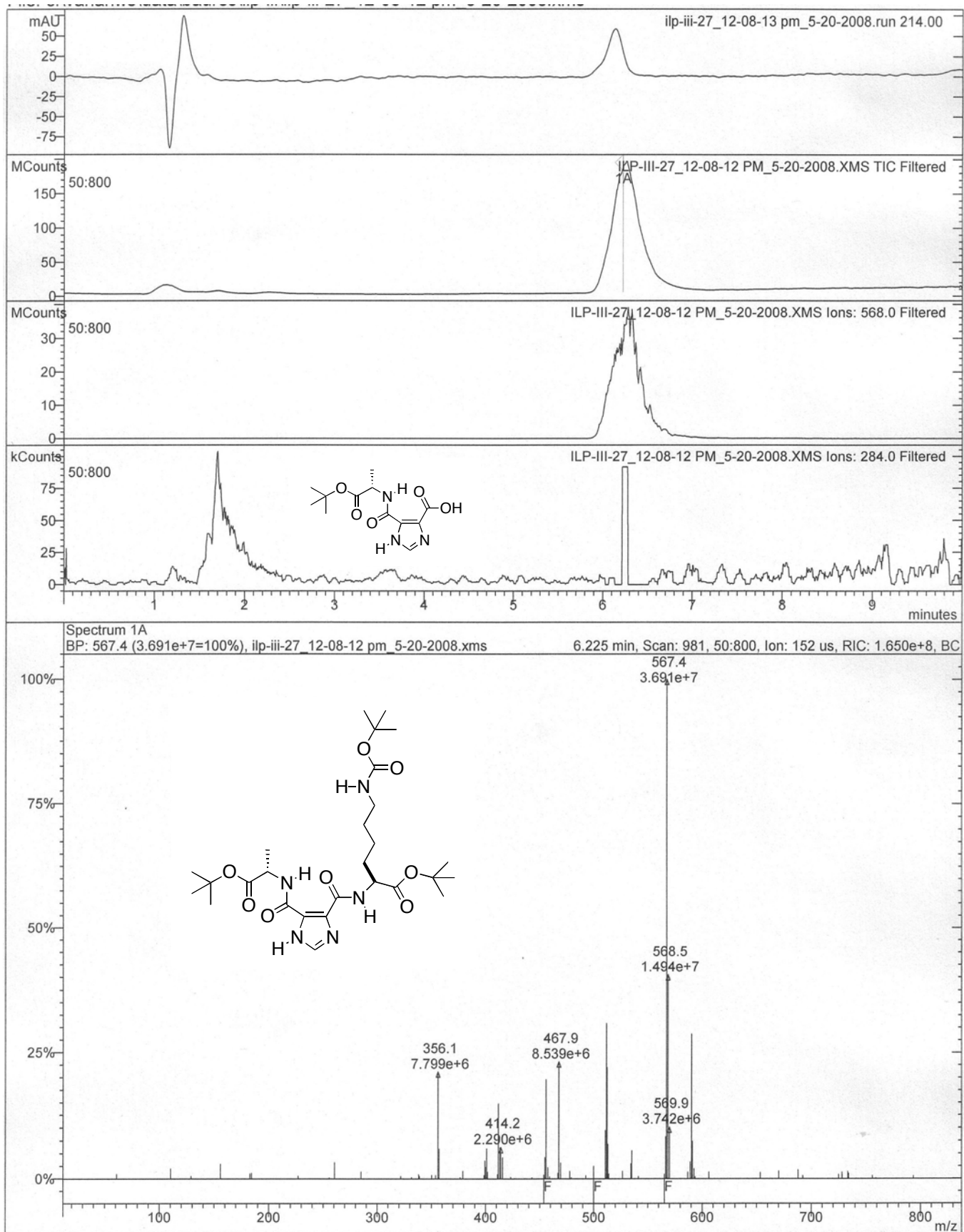


Figure S52. LC/MS data for the crude reaction to yield 4{30}.

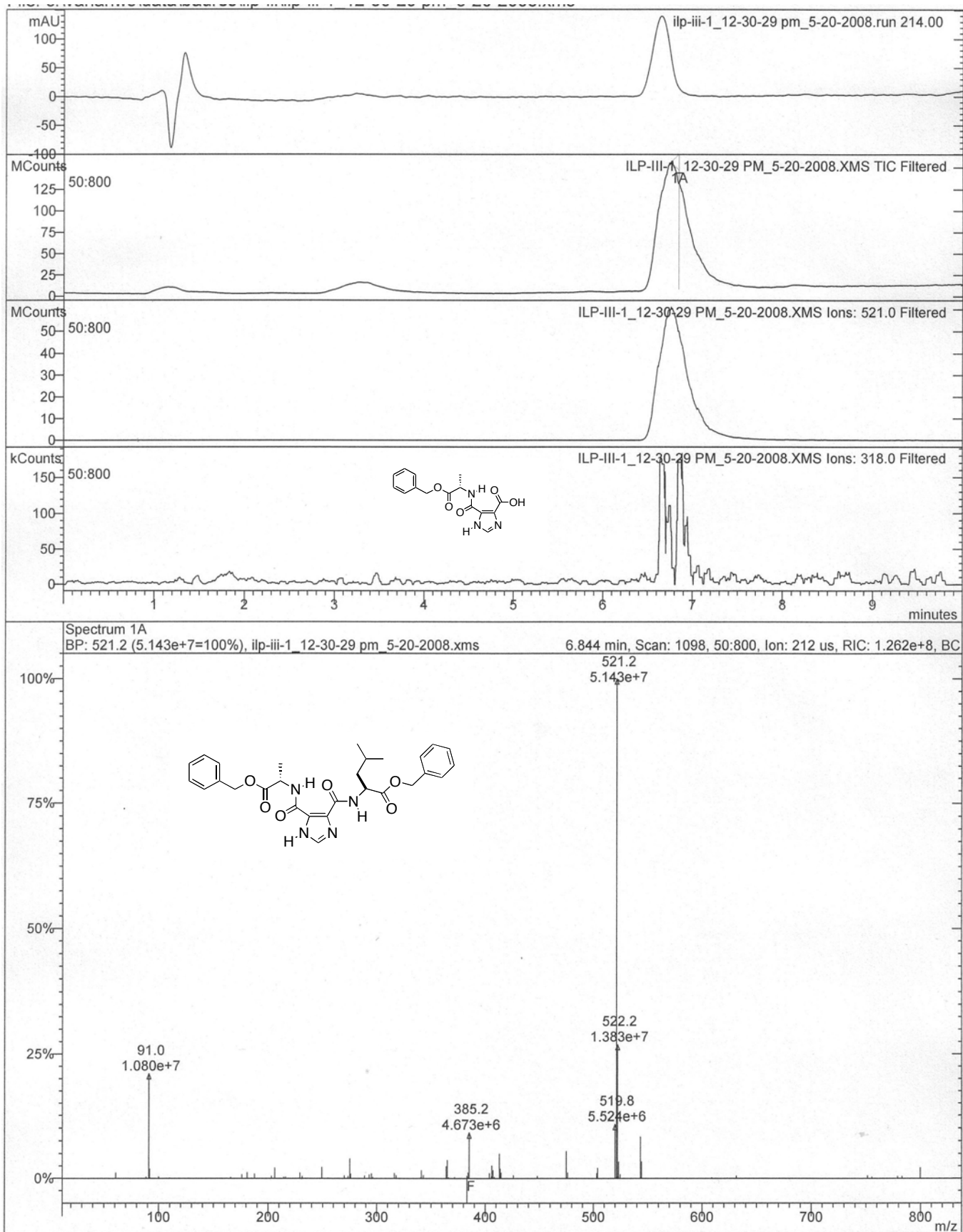


Figure S53. LC/MS data for the crude reaction to yield 4{32}.

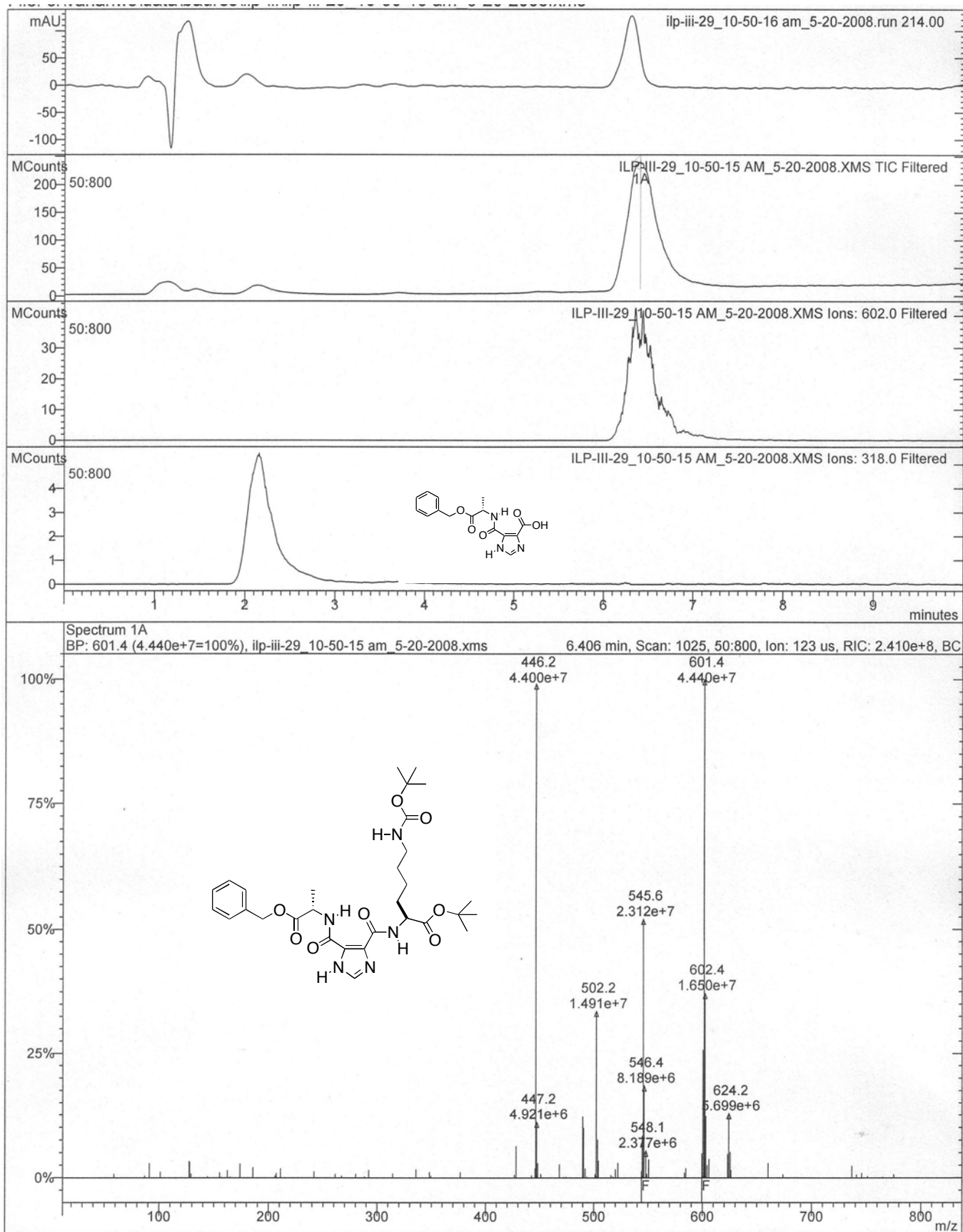


Figure S54. LC/MS data for the crude reaction to yield 4{35}.

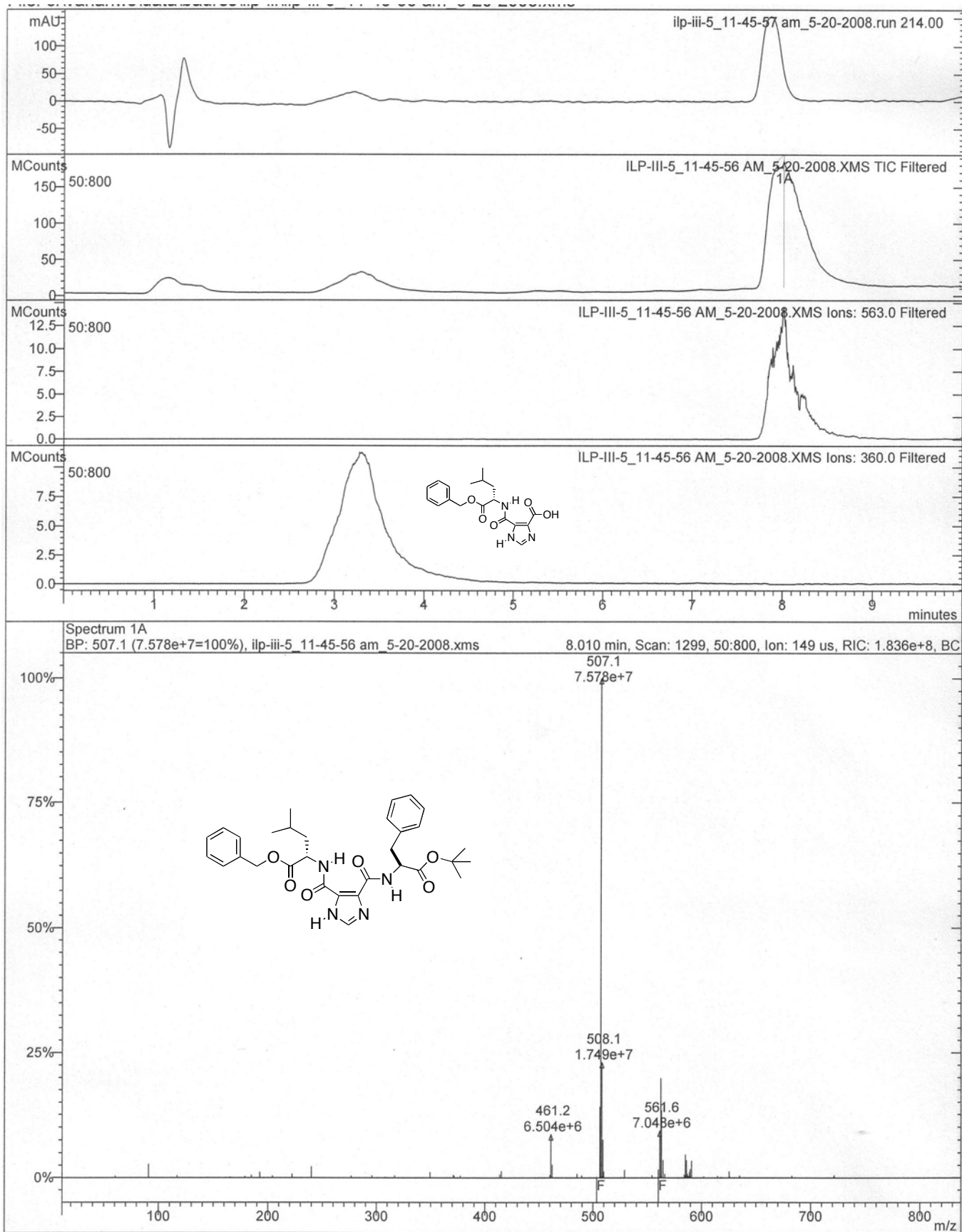


Figure S55. LC/MS data for the crude reaction to yield 4{40}.

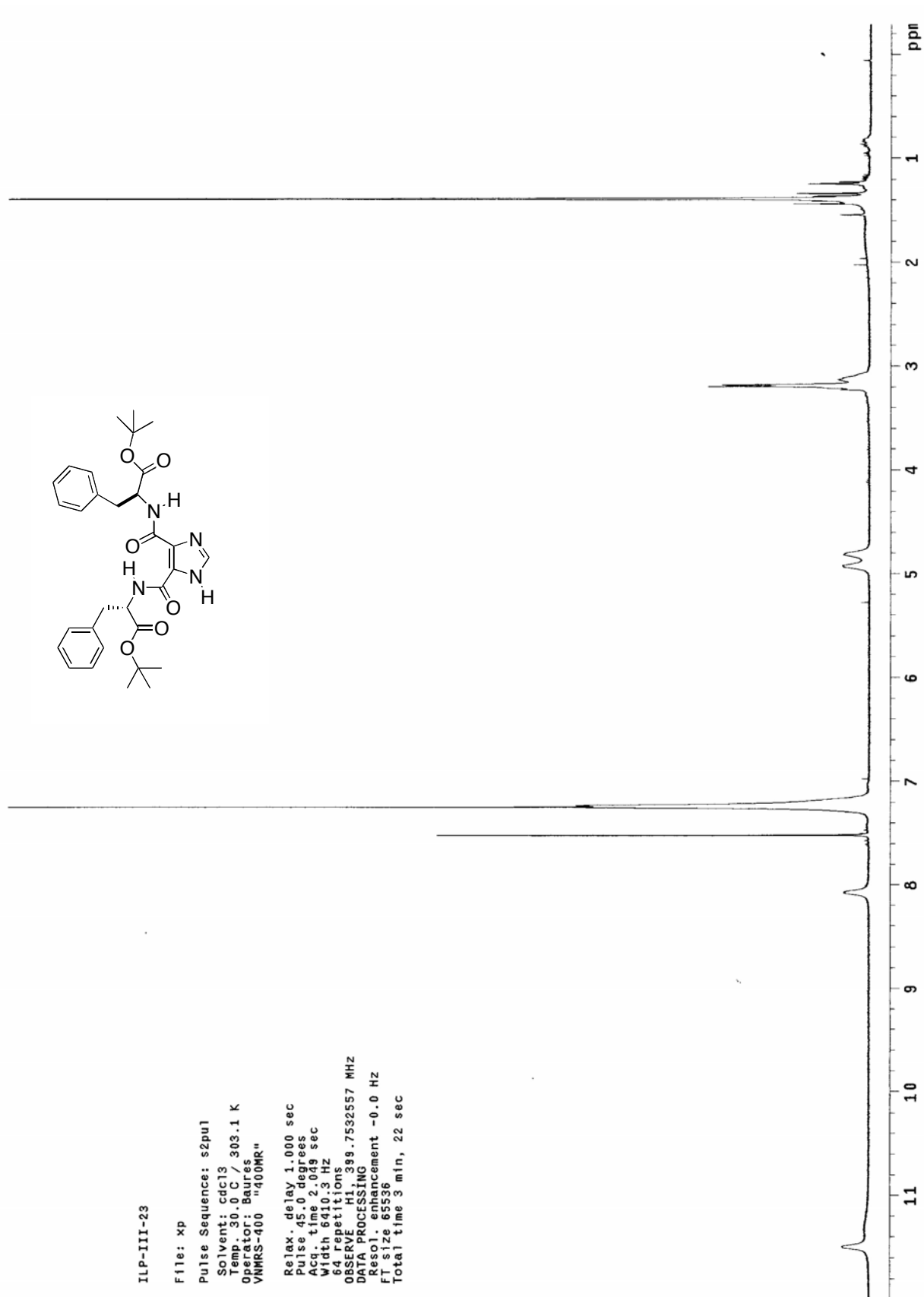
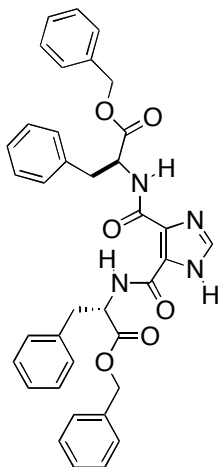


Figure S56. ¹H-NMR for 4{7}.



ILP-III-17

File: xp

Pulse Sequence: s2pu1

Solvent: cdcl3

Temp. 30.0 C / 303.1 K

Operator: Baures

VNMR5-400 "400MR"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.049 sec

Width 6410.3 Hz

64 repetitions

OBSERVE H1, 399.7532555 MHz

DATA PROCESSING

Resol. enhancement -0.0 Hz

FT size 65536

Total time 3 min, 22 sec

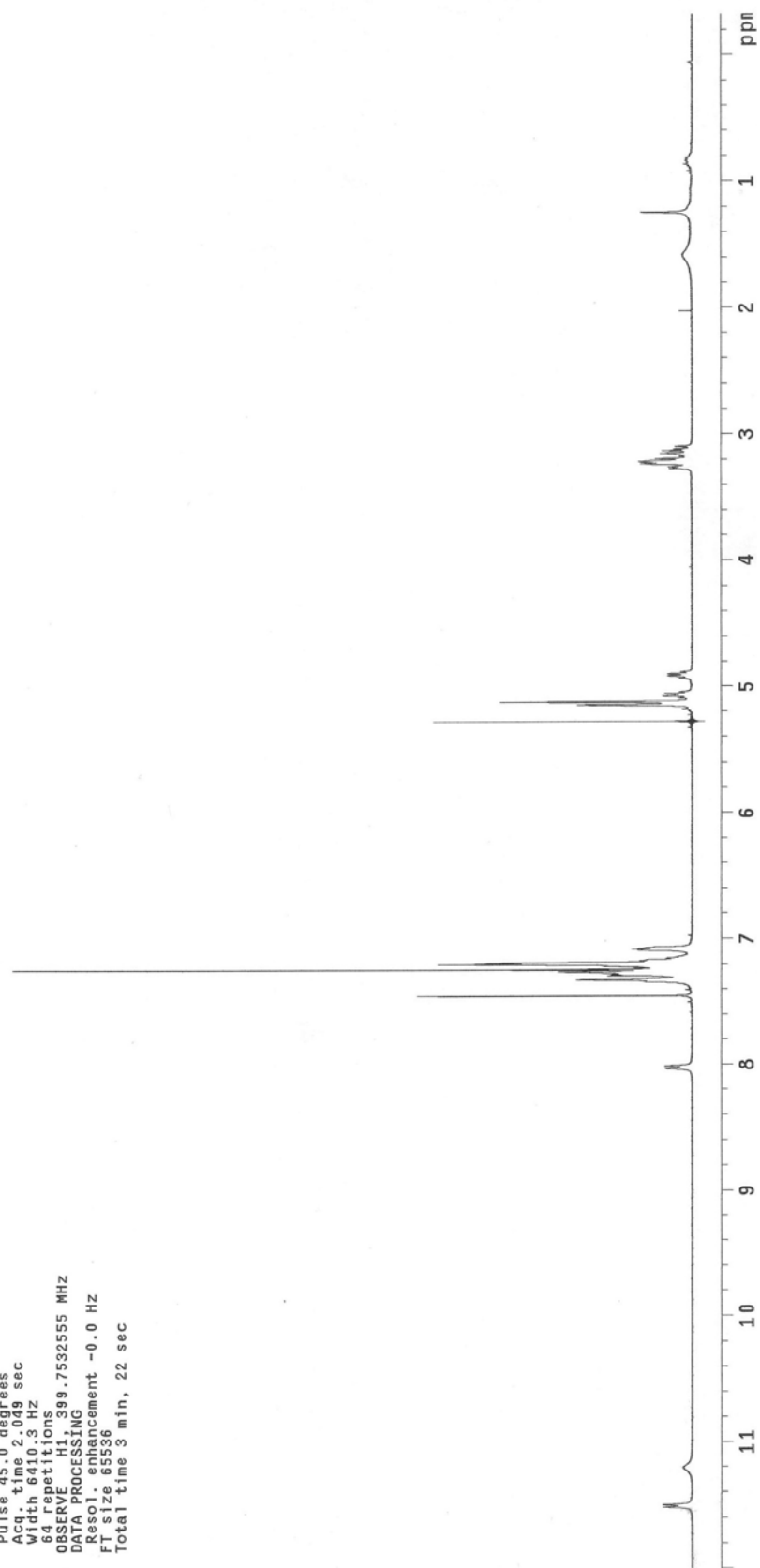


Figure S57. ¹H-NMR for 4{8}.

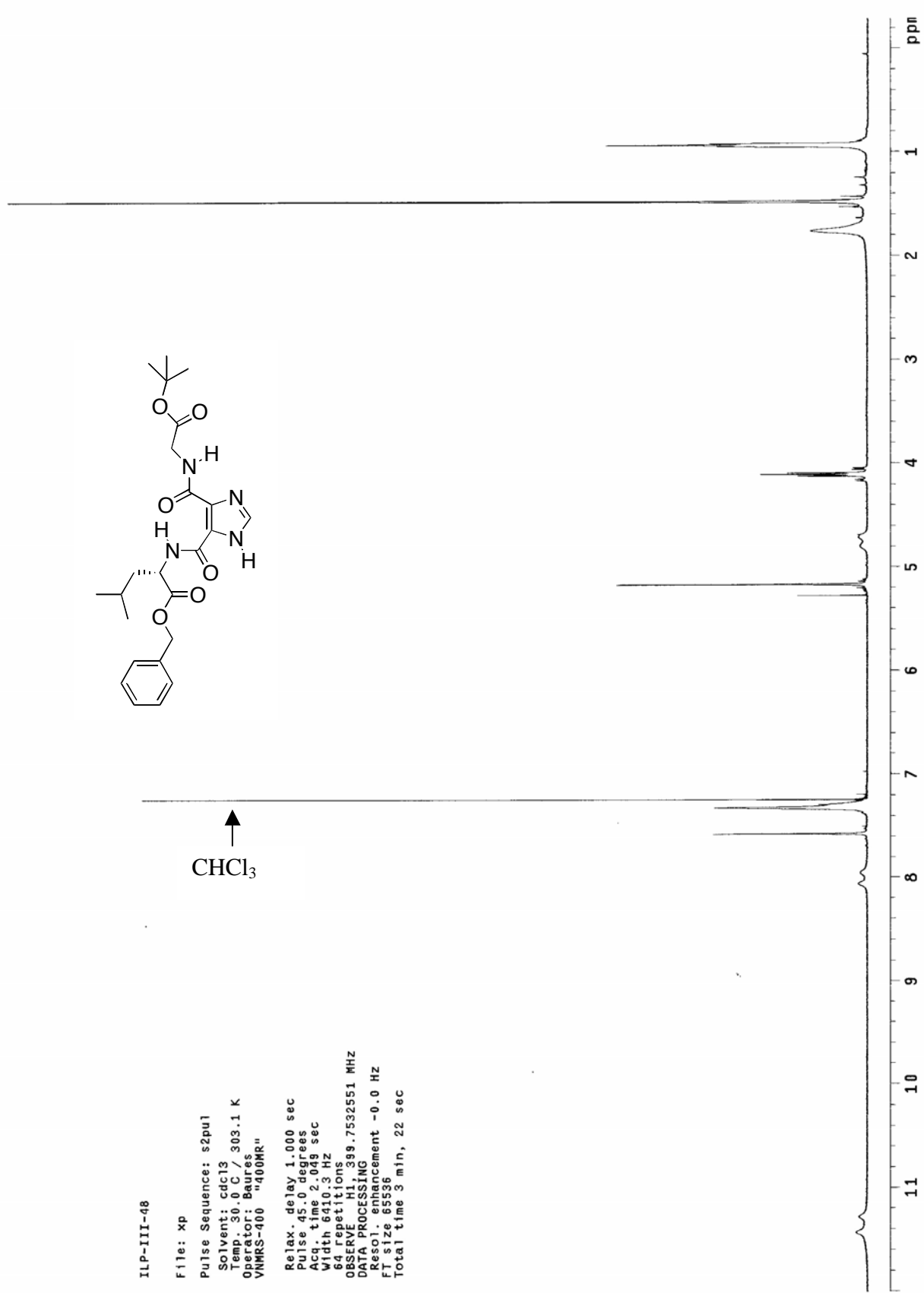


Figure S58. ¹H-NMR for 4{14}.

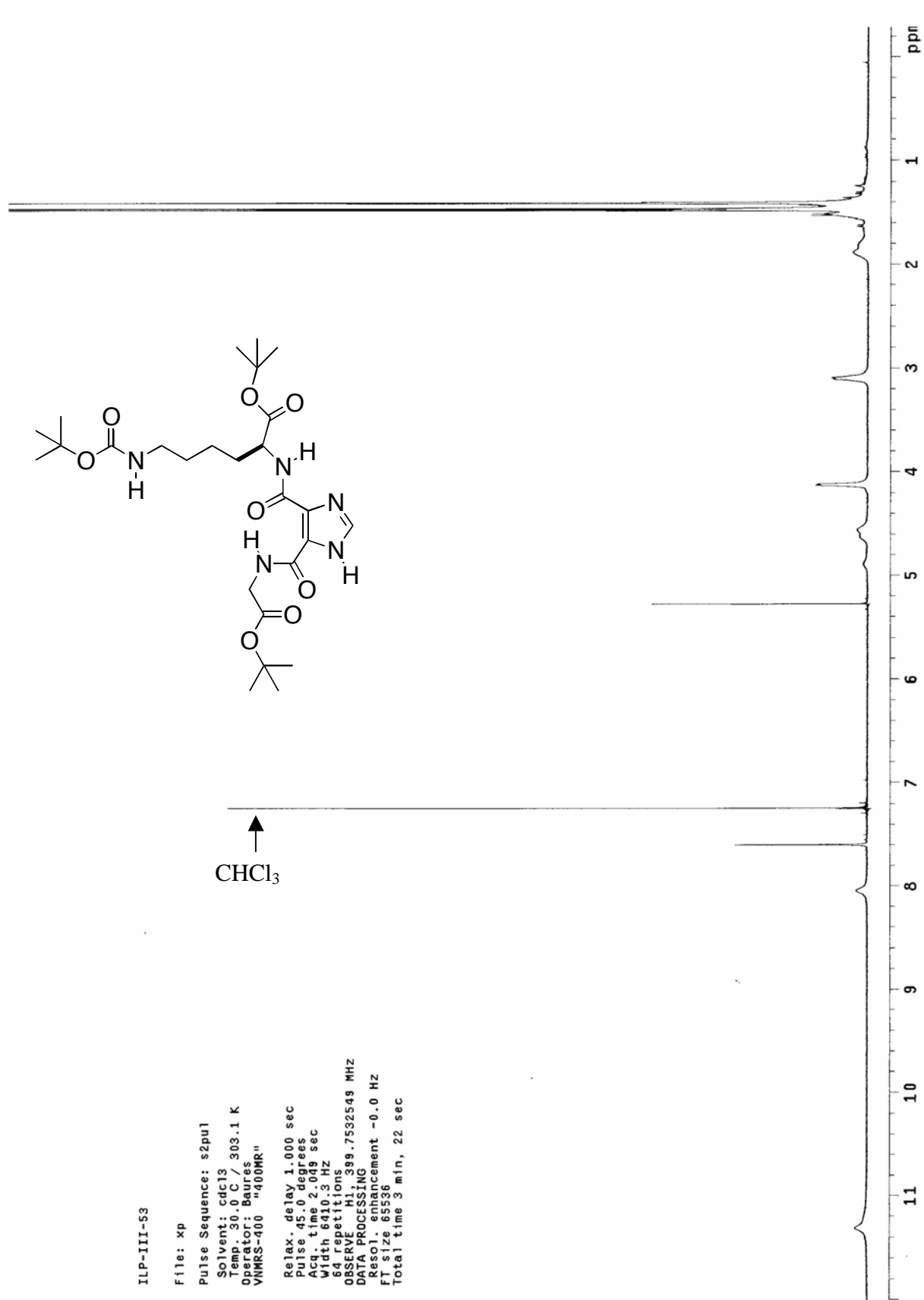


Figure 59. ¹H-NMR for 4{17}.

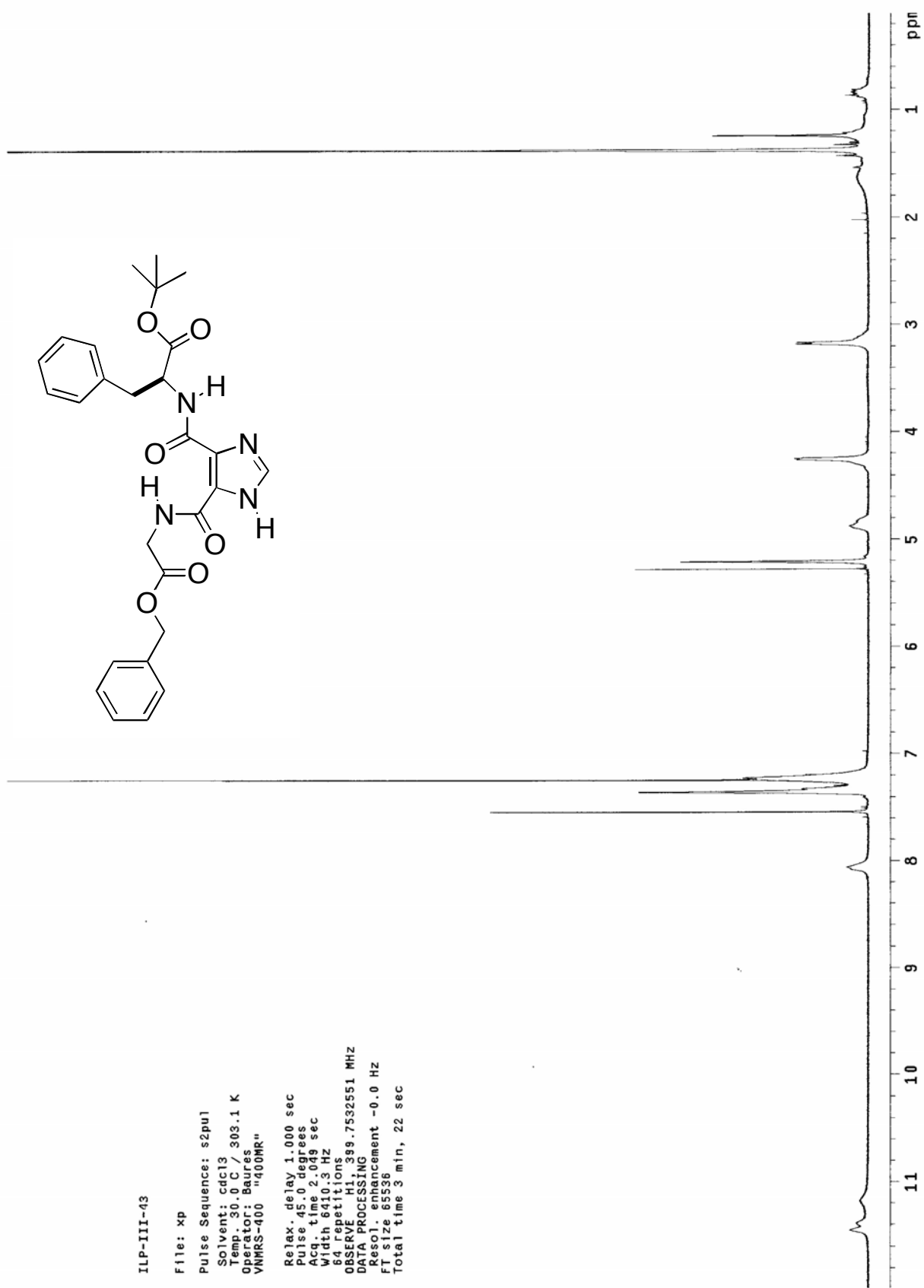


Figure S60. $^1\text{H-NMR}$ for 4{22}.

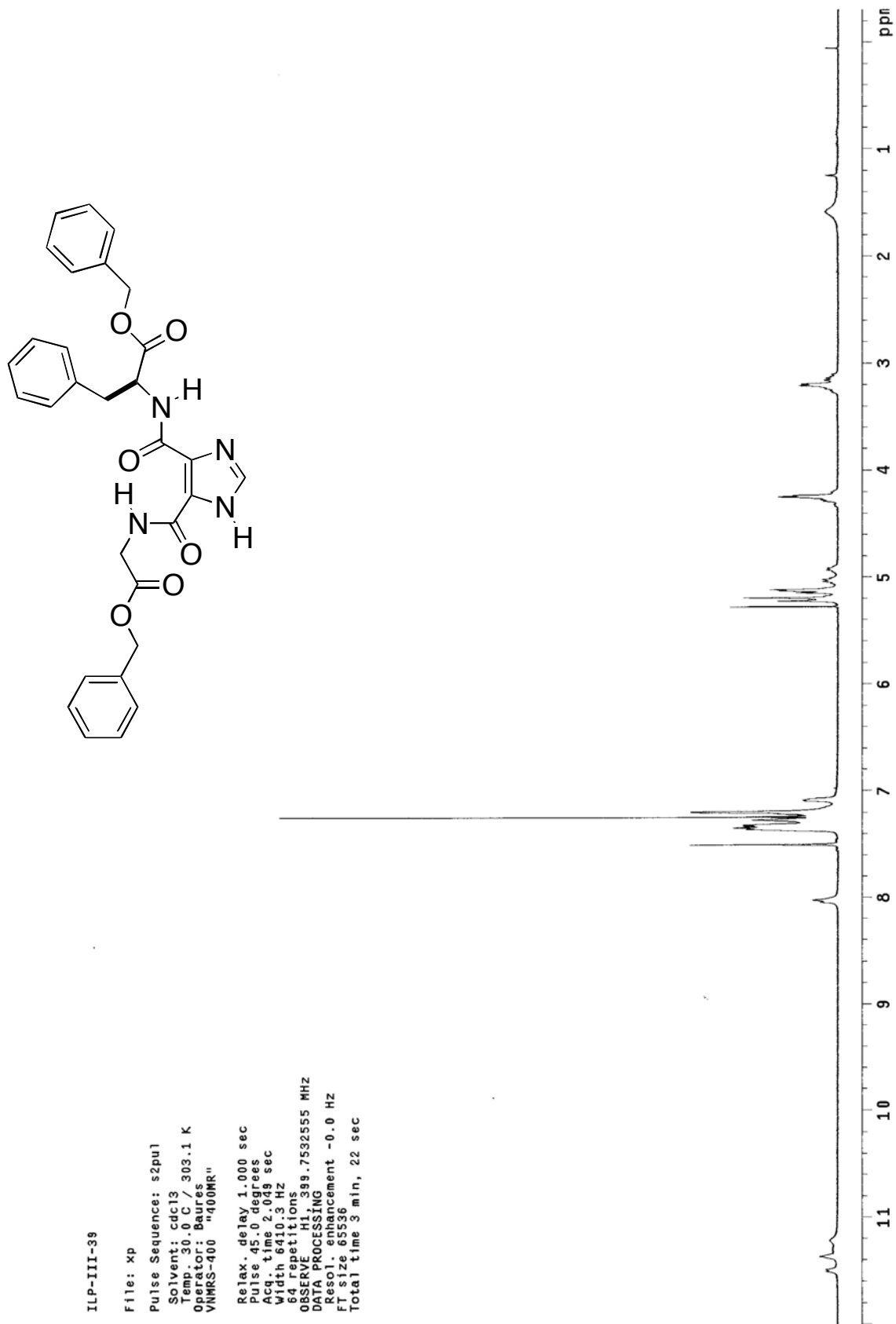


Figure S61. $^1\text{H-NMR}$ for 4{23}.

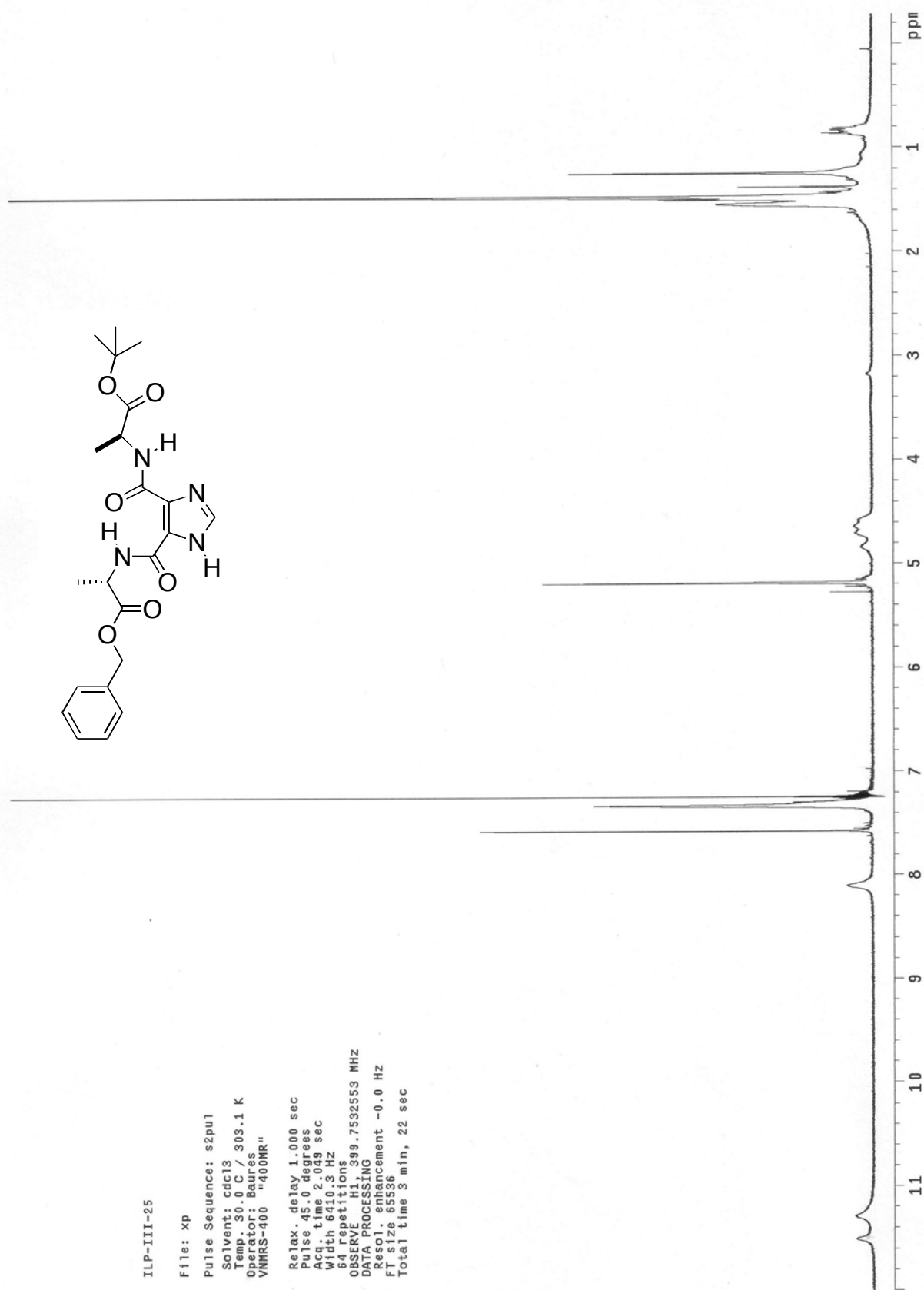


Figure S62. ¹H-NMR for 4{25}.

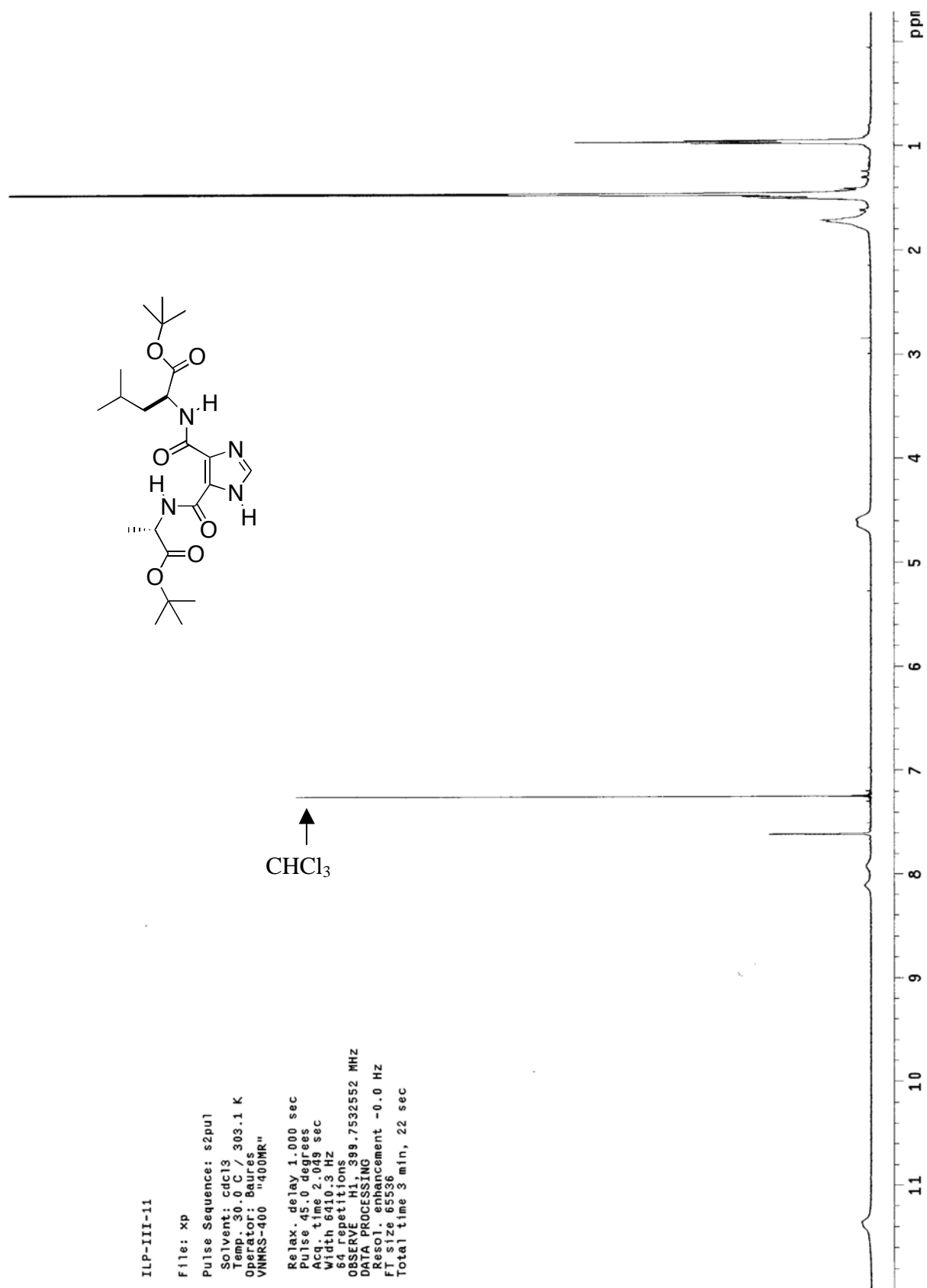


Figure S63. ¹H-NMR for 4{26}.

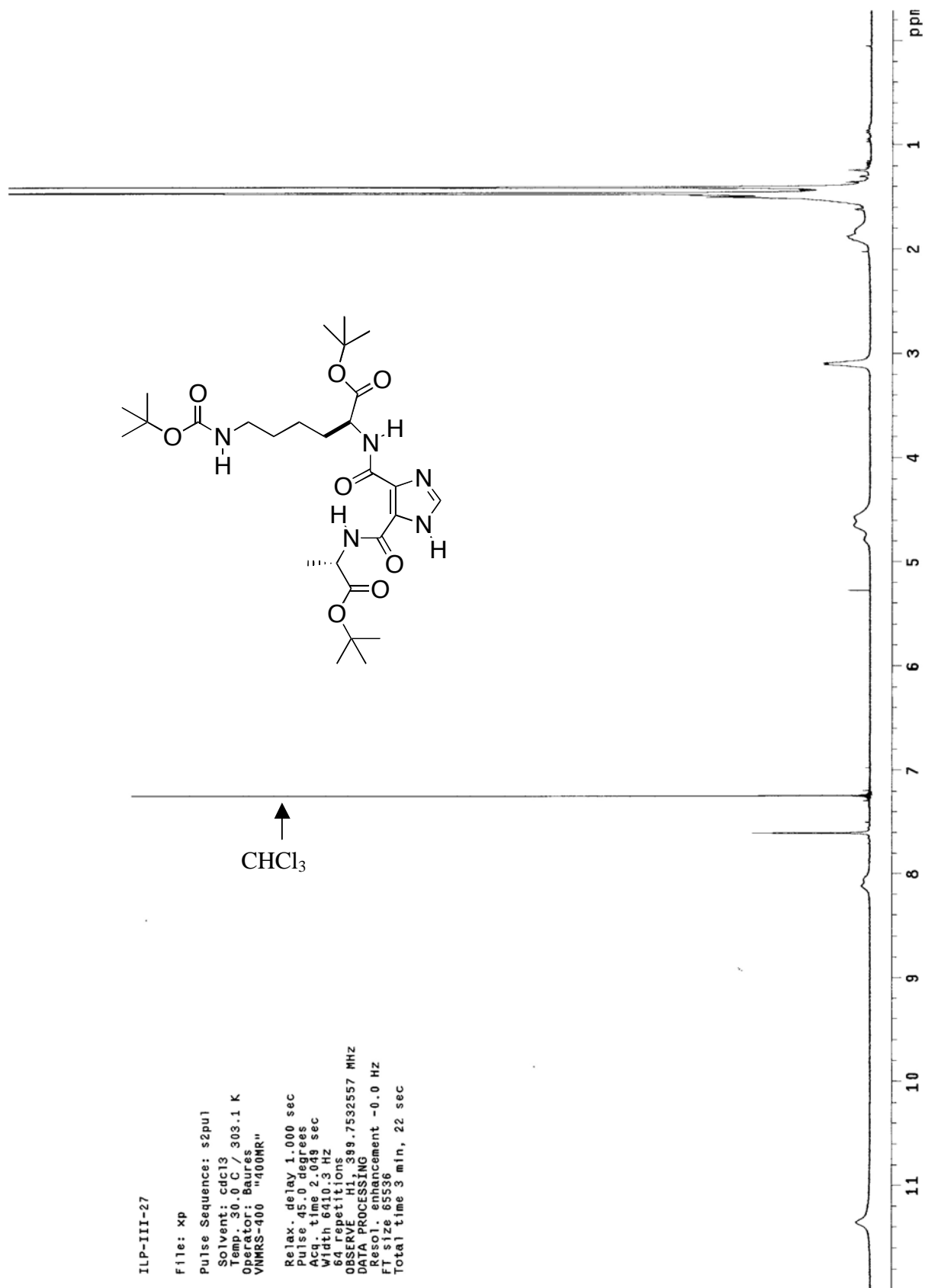


Figure S64. ¹H-NMR for 4{30}.

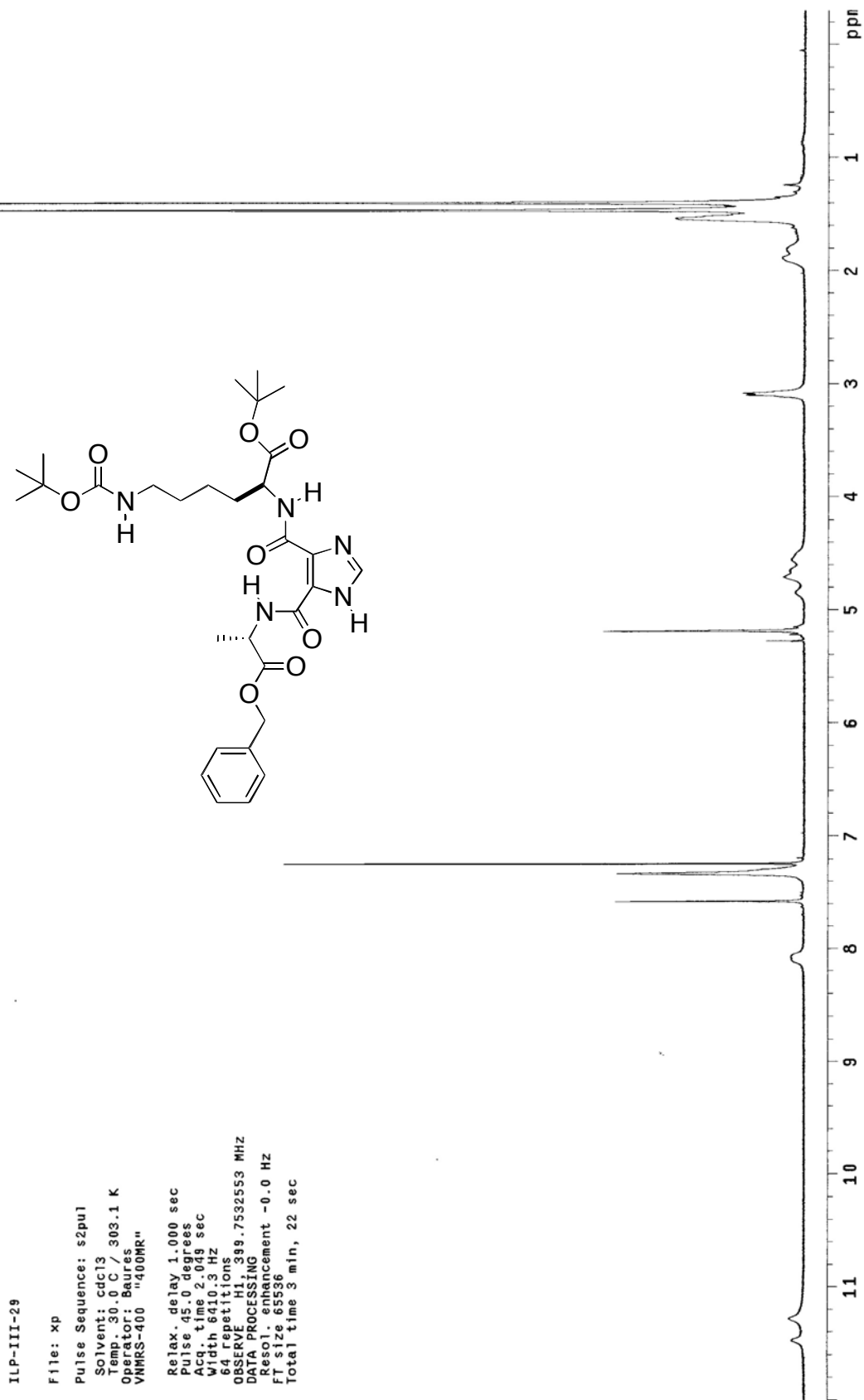


Figure S65. $^1\text{H-NMR}$ for 4{35}.

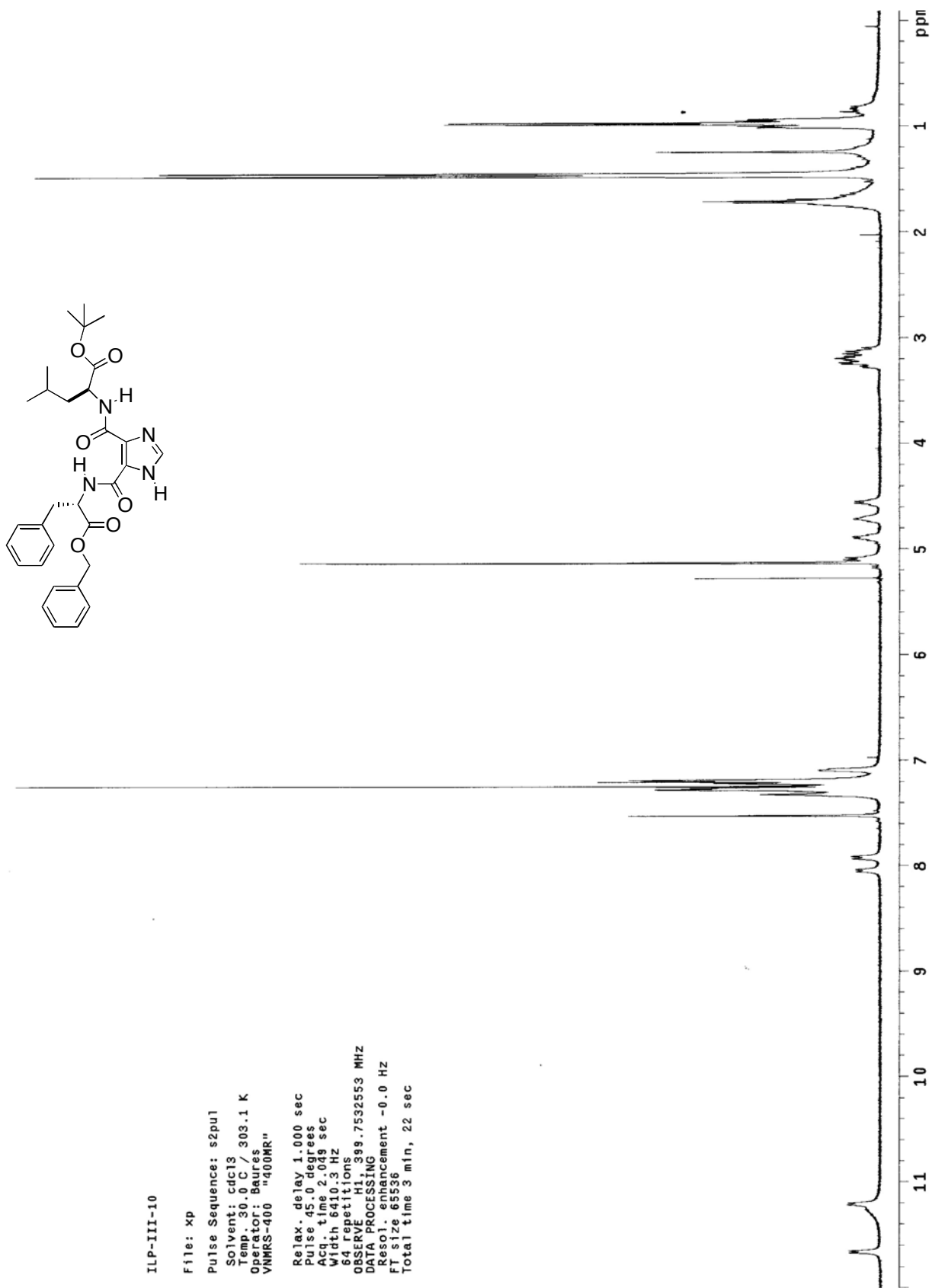


Figure S66. ¹H-NMR for 4{38}.

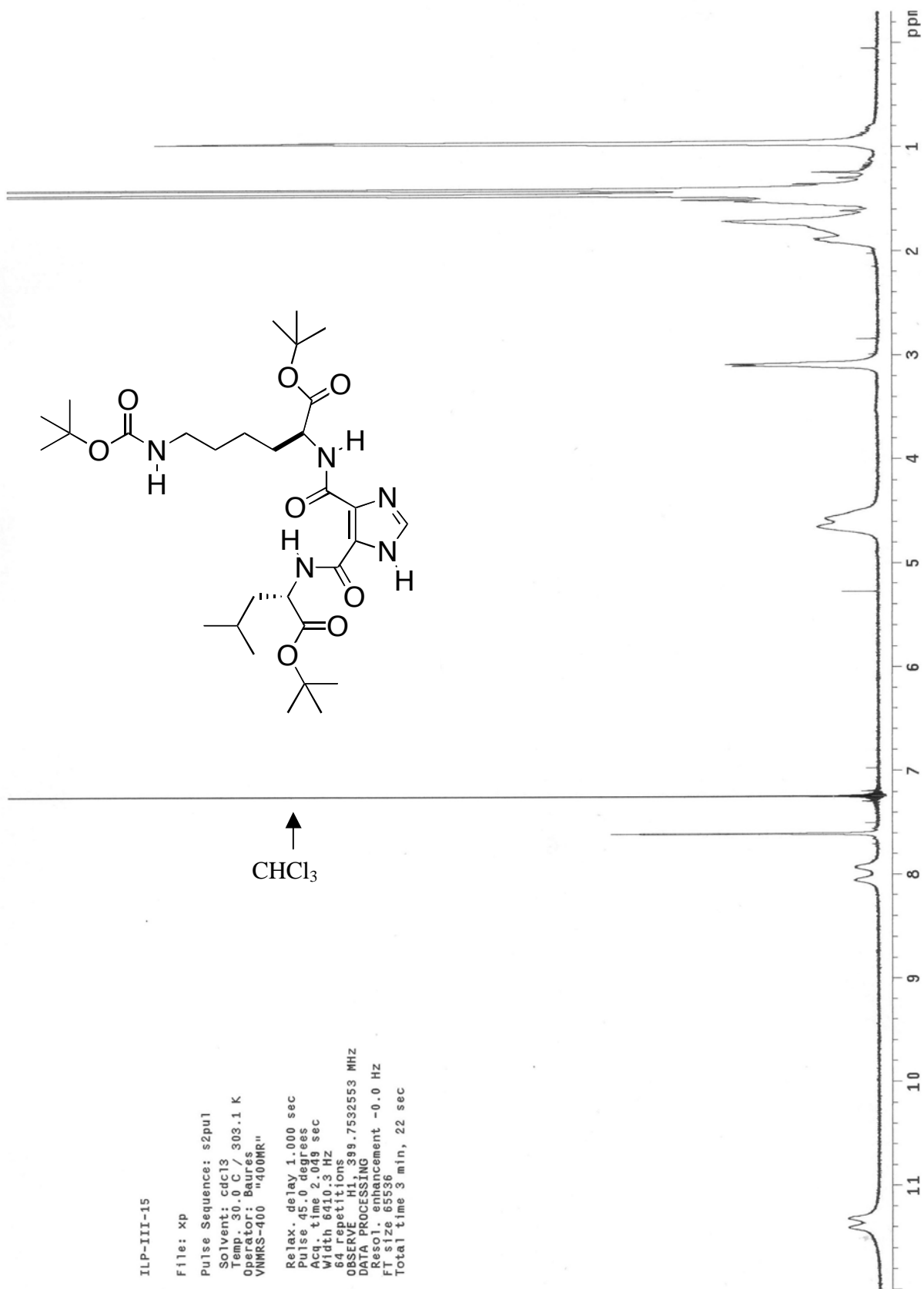


Figure S67. ¹H-NMR for 4{39}.

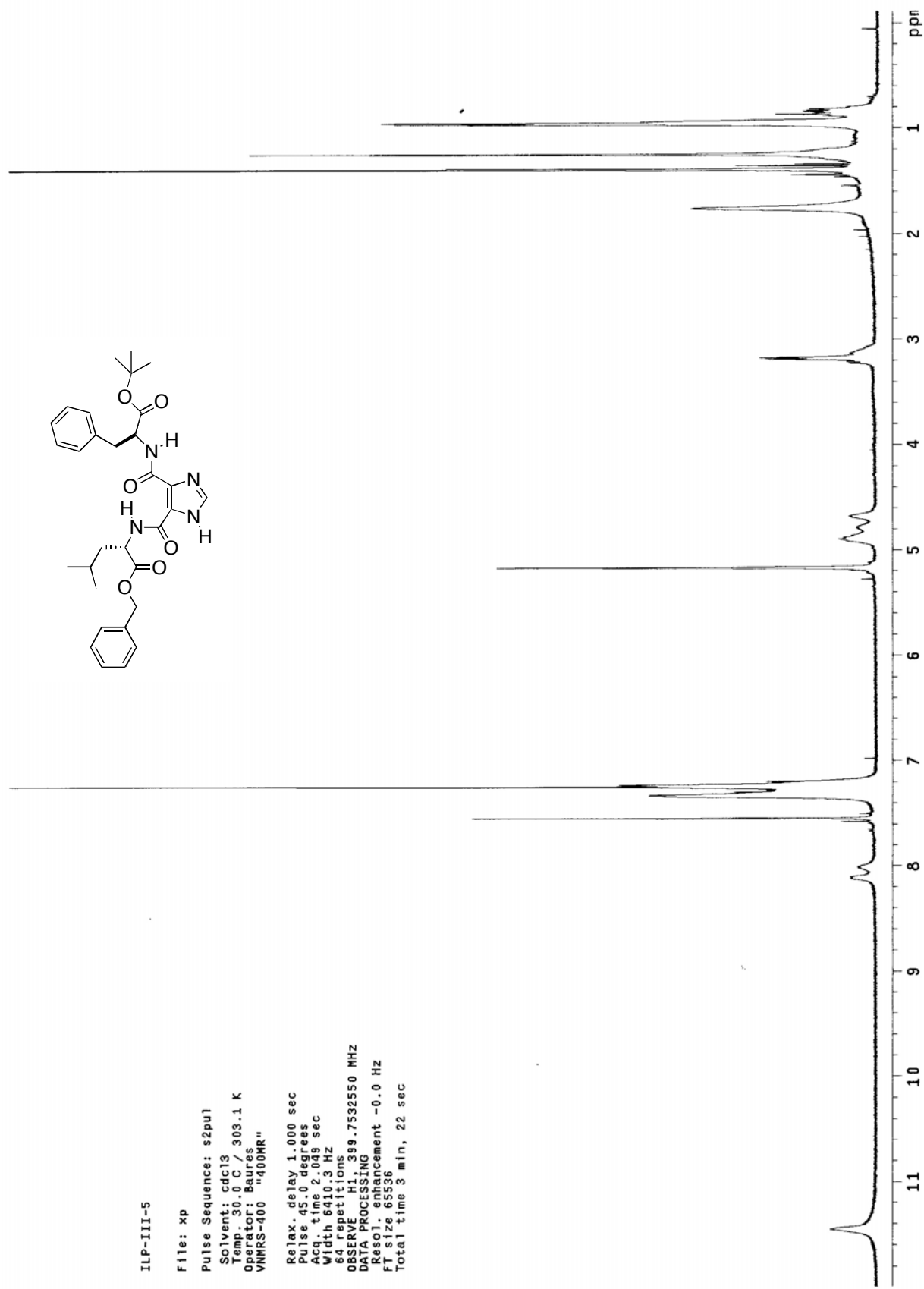


Figure S68. $^1\text{H-NMR}$ for 4{40}.

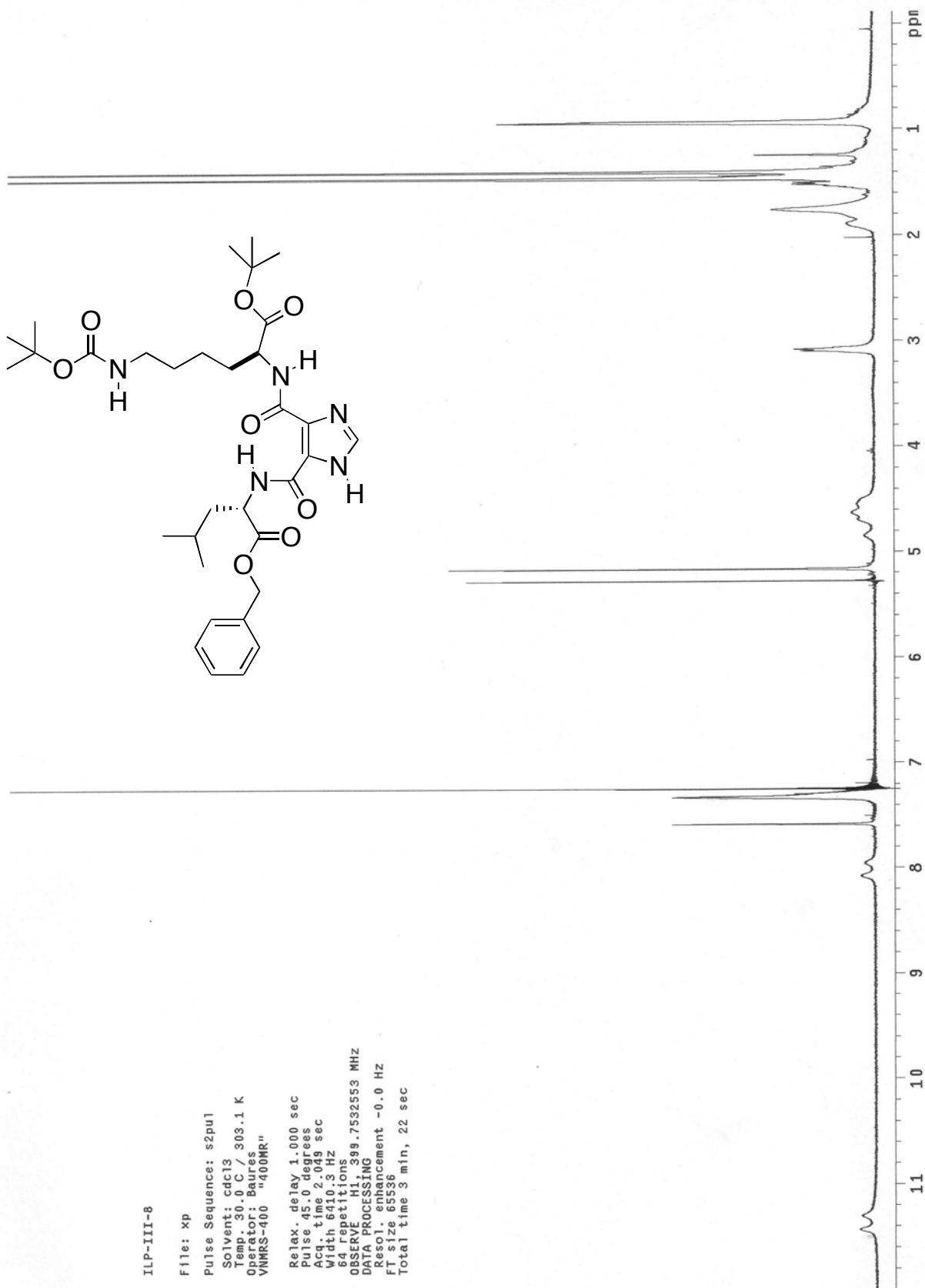


Figure S69. ¹H-NMR for 4{42}.

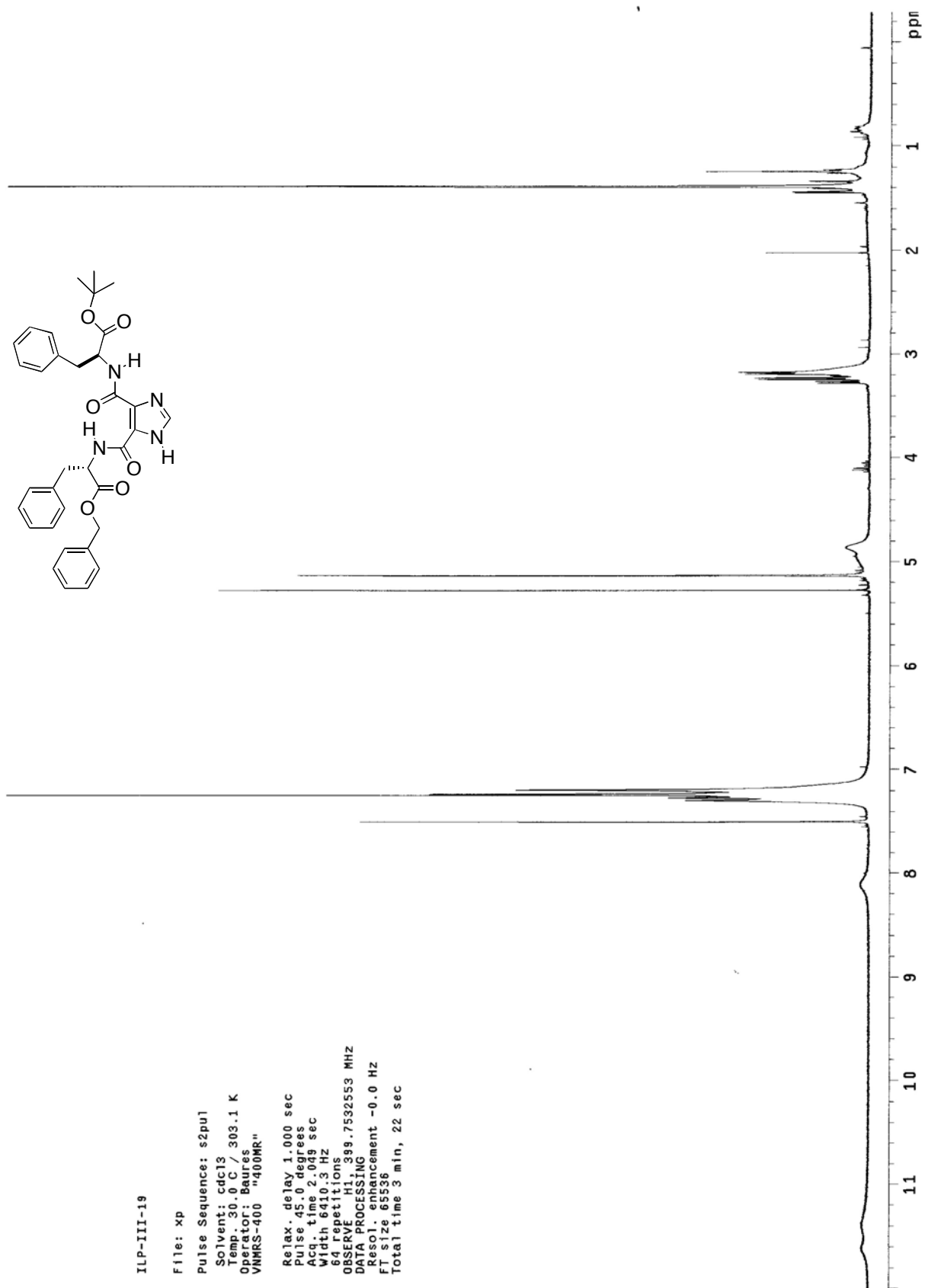


Figure S70. ¹H-NMR for 4{43}.

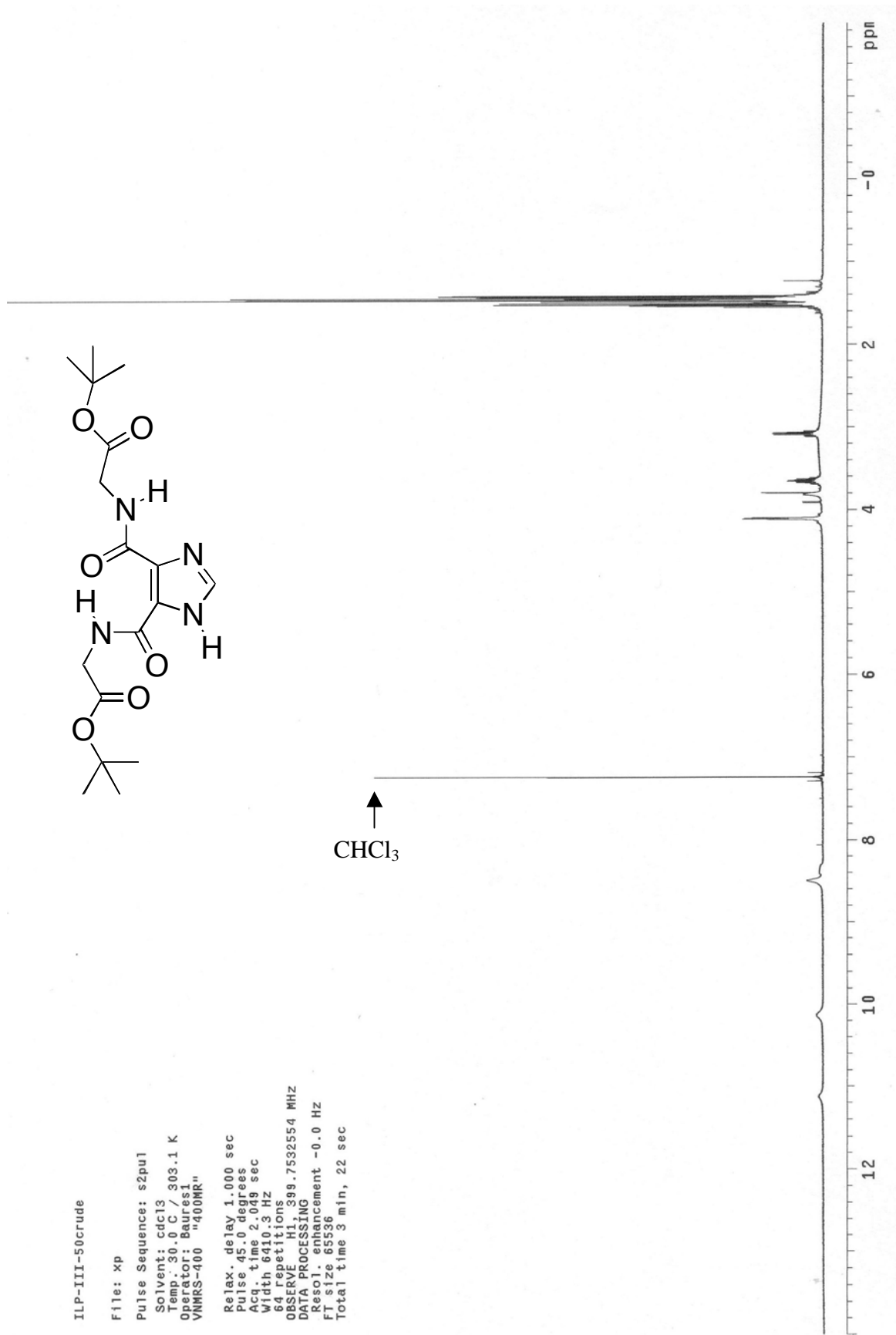


Figure S71. $^1\text{H-NMR}$ for the crude reaction to yield **4{1}**.

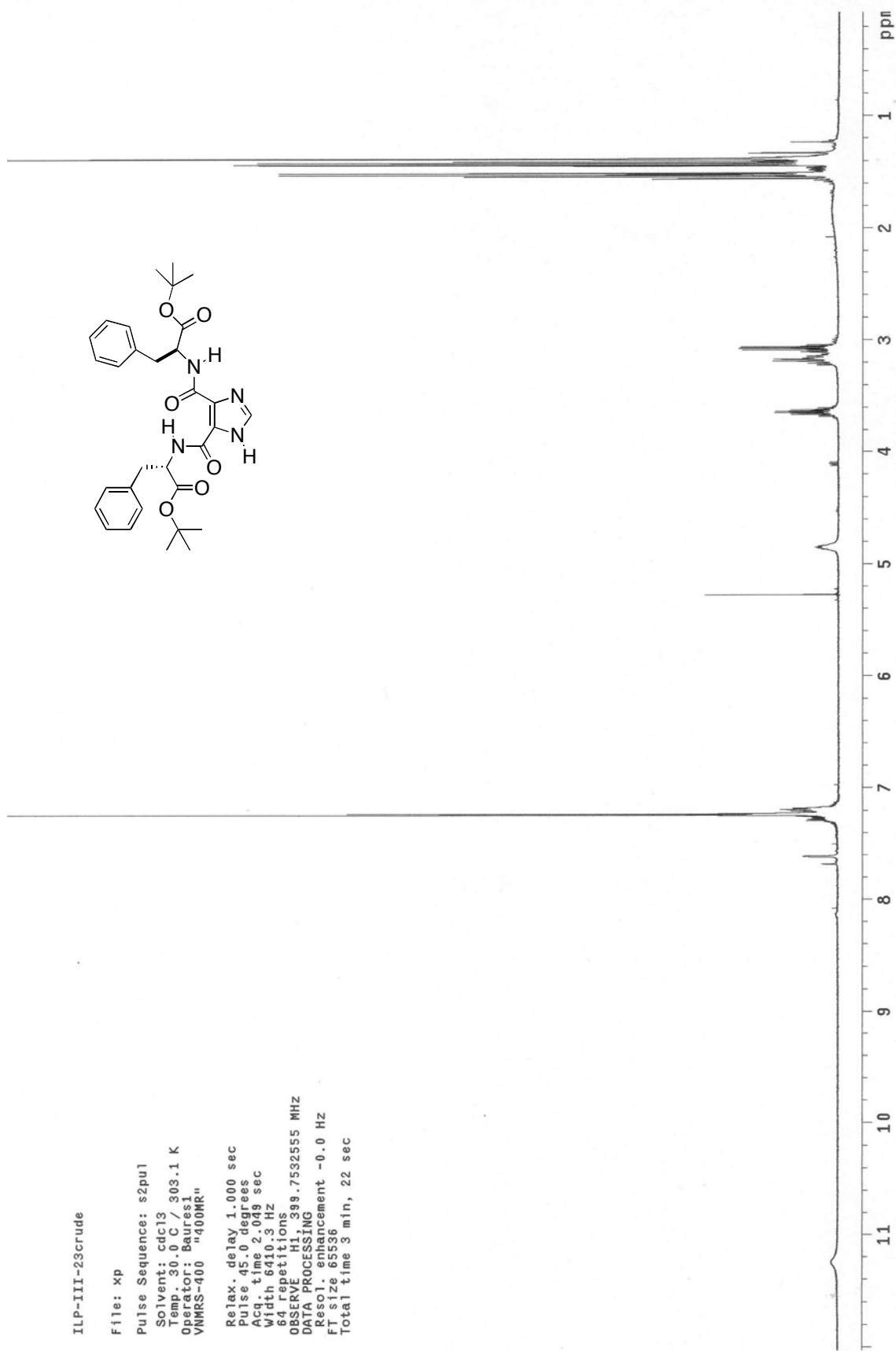


Figure S72. ¹H-NMR for the crude reaction to yield **4{7}**.

ILP-III-17crude

File: xp

Pulse Sequence: s2pu1

Solvent: cdc13
Temp. 30.0 C / 303.1 K
Operator: Baures1
VNMR-400 "400MR"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.049 sec
Width 6410.3 Hz
64 repetitions
OBSERVE H1, 399.7532553 MHz
DATA PROCESSING
Resol. enhancement -0.0 Hz
F1 size 65536
Total time 3 min, 22 sec

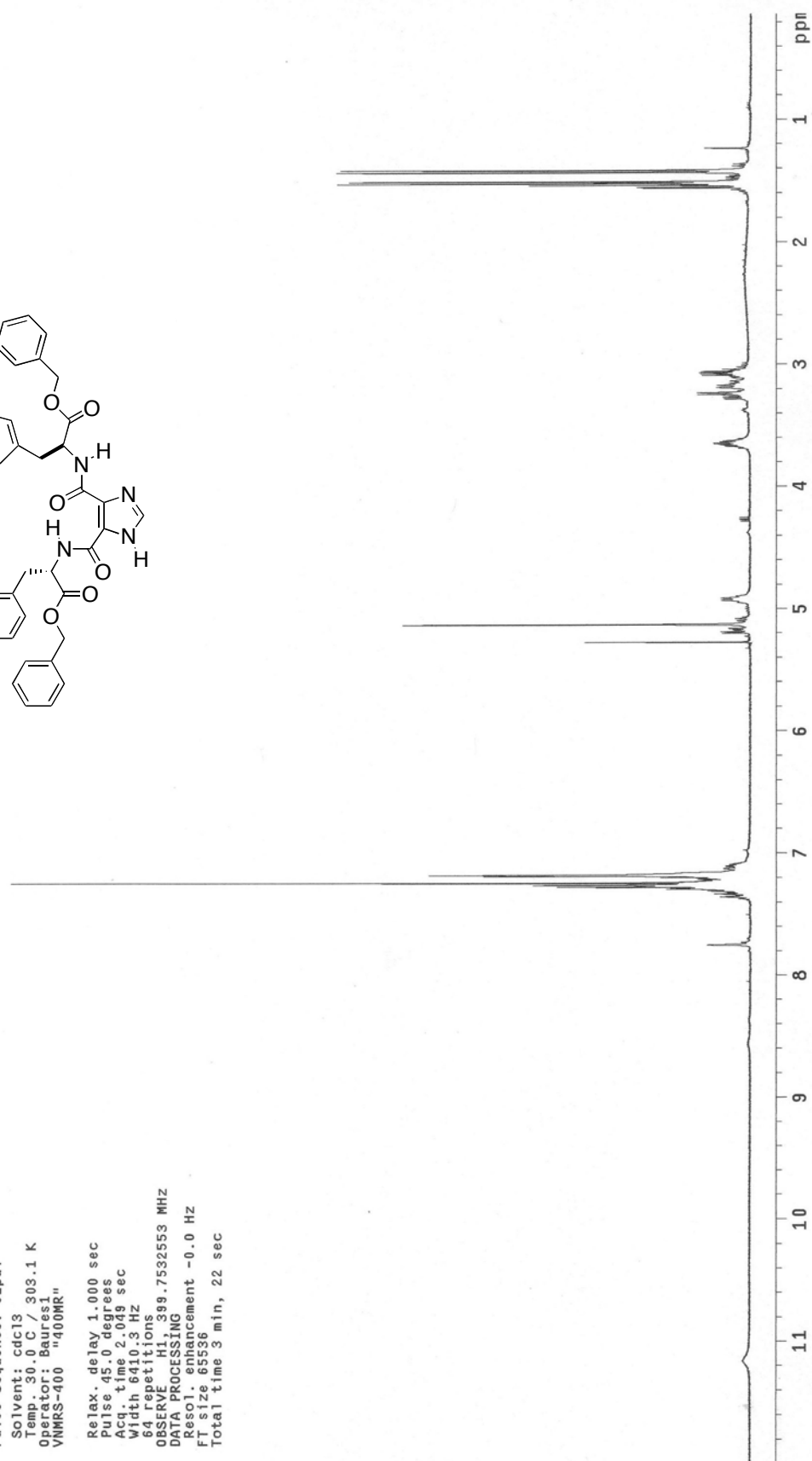
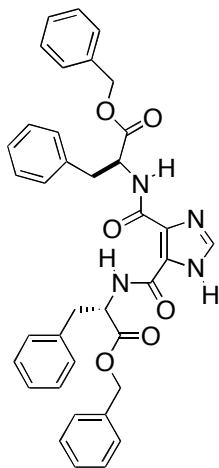


Figure S73. ¹H-NMR for the crude reaction to yield 4{8}.

ILP-III-47crude

File: xp

Pulse Sequence: s2pu1

Solvent: cdCl3

Temp. 30.0 C / 303.1 K

Operator: Baures1

VNMR5-400

"400MR"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.049 sec

Width 6410.3 Hz

64 repetitions

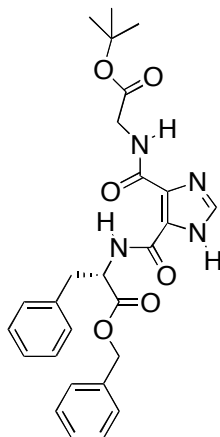
OBSERVE H1, 399.7532553 MHz

DATA PROCESSING

Resol. enhancement -0.0 Hz

FT size 65536

Total time 3 min, 22 sec



CHCl₃

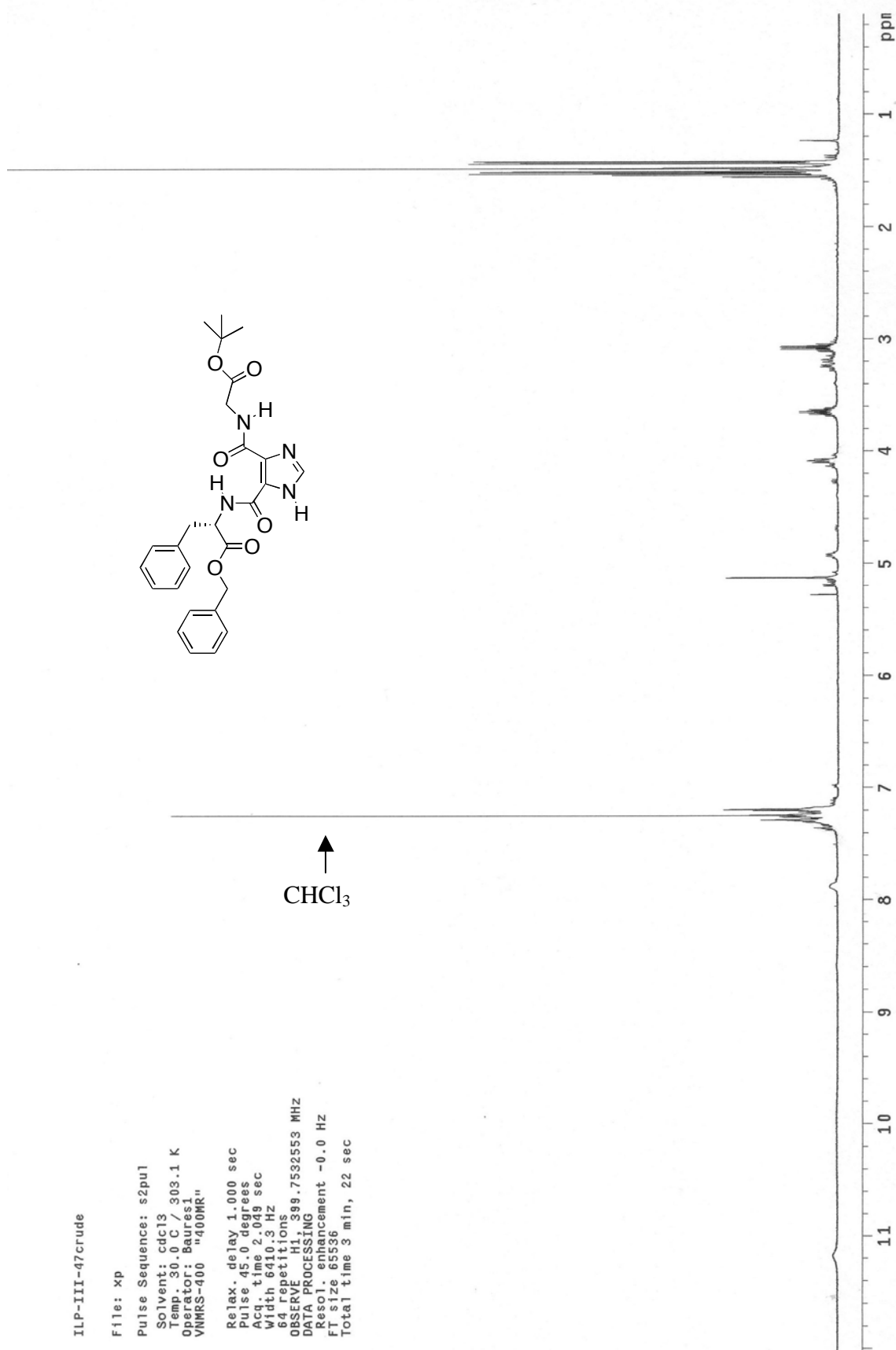


Figure S74. ¹H-NMR for the crude reaction to yield 4{16}.

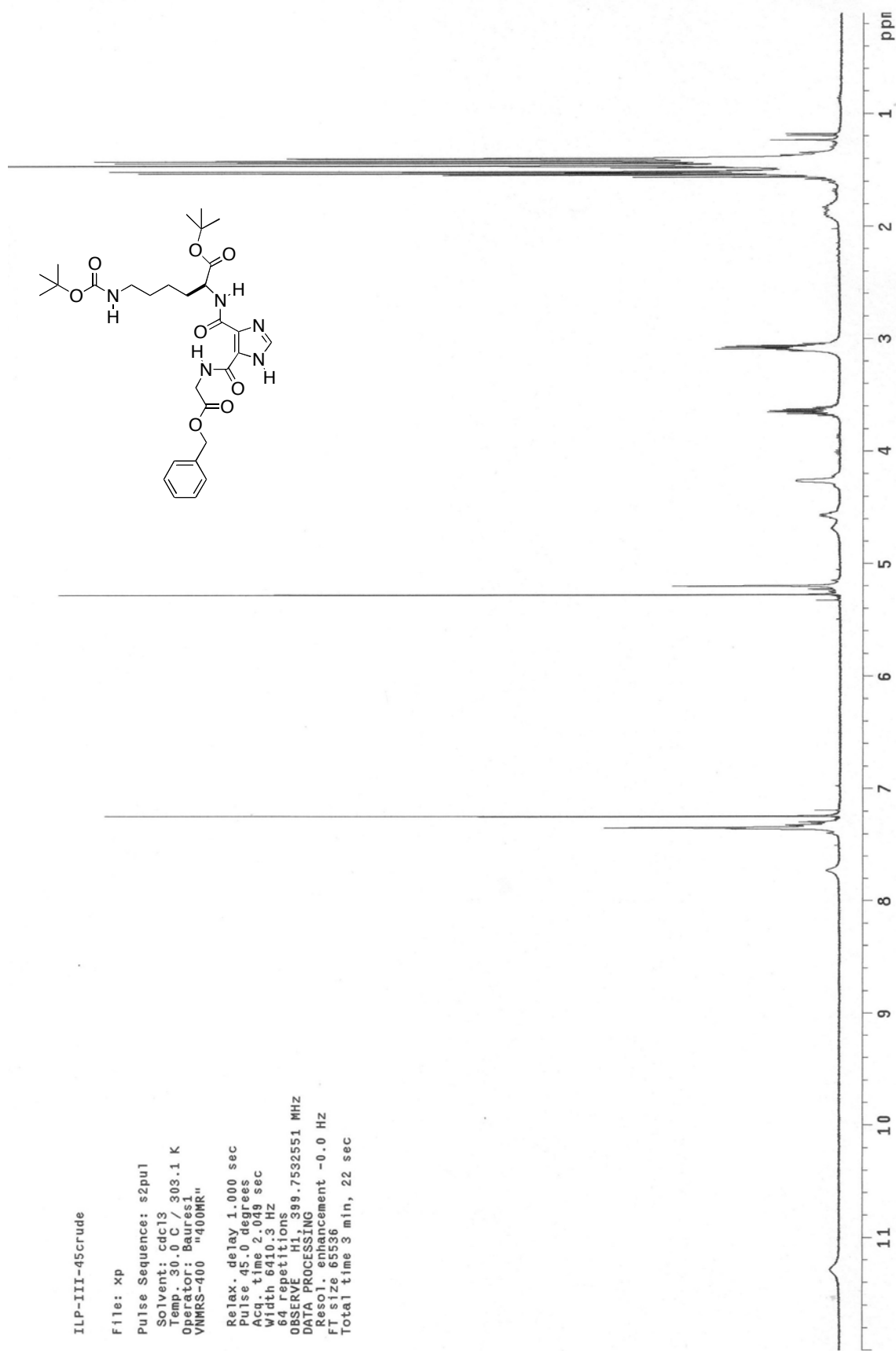


Figure S75. ¹H-NMR for the crude reaction to yield 4{24}.

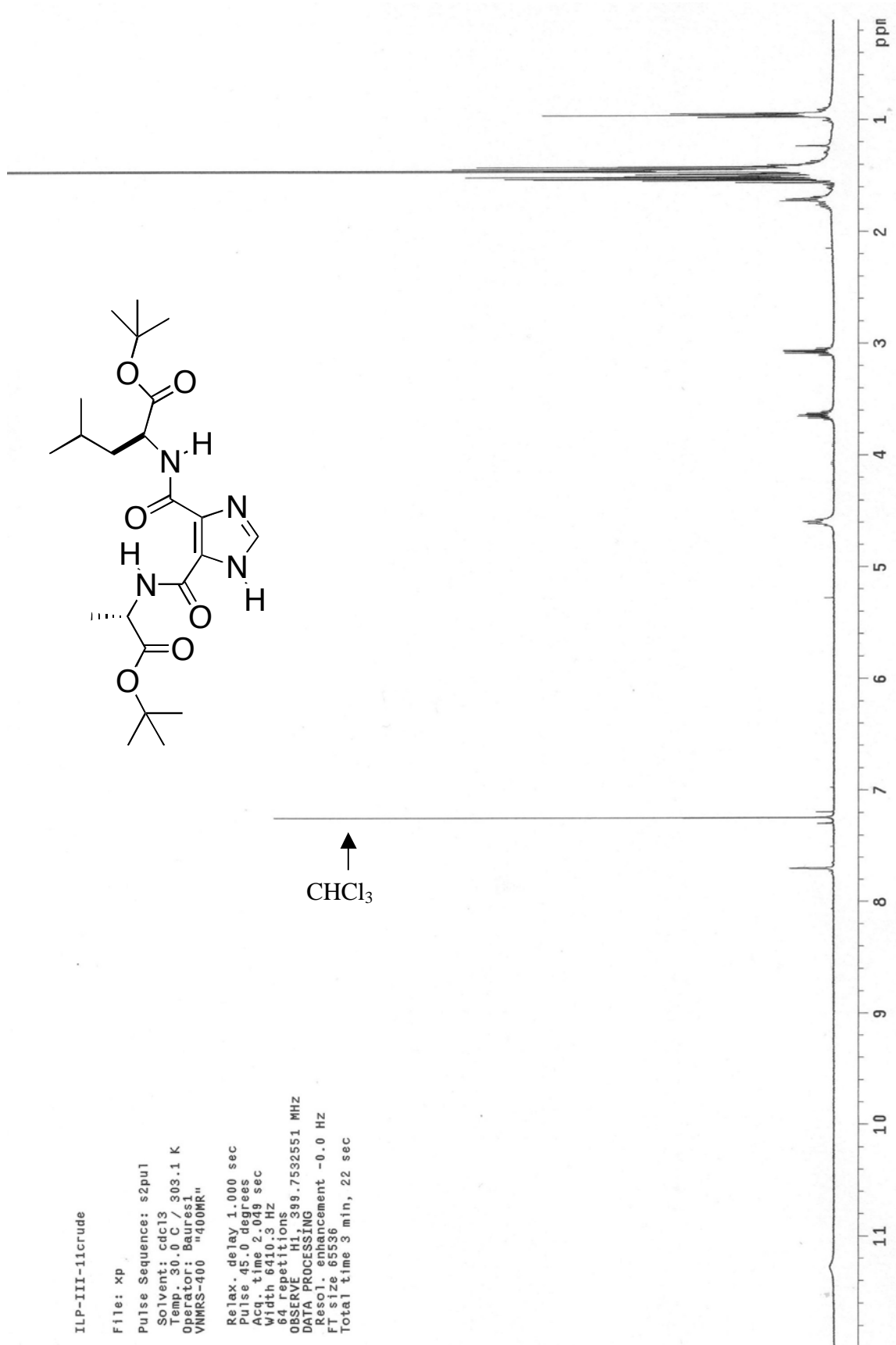


Figure S76. $^1\text{H-NMR}$ for the crude reaction to yield **4{26}**.

ILP-III-27crude

File: xp

Pulse Sequence: s2pul

Solvent: cdc13

Temp: 30.0 C / 303.1 K

Operator: Baures1

VNMR5-400 "400MR"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.049 sec

Width 6410.3 Hz

64 repetitions

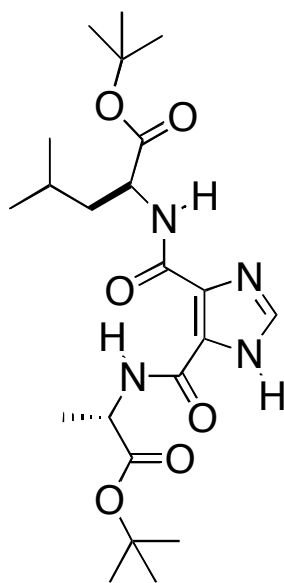
OBSERVE H1, 399.7532545 MHz

DATA PROCESSING

Resol. enhancement -0.0 Hz

FT size 65536

Total time 3 min, 22 sec



↑
CHCl₃

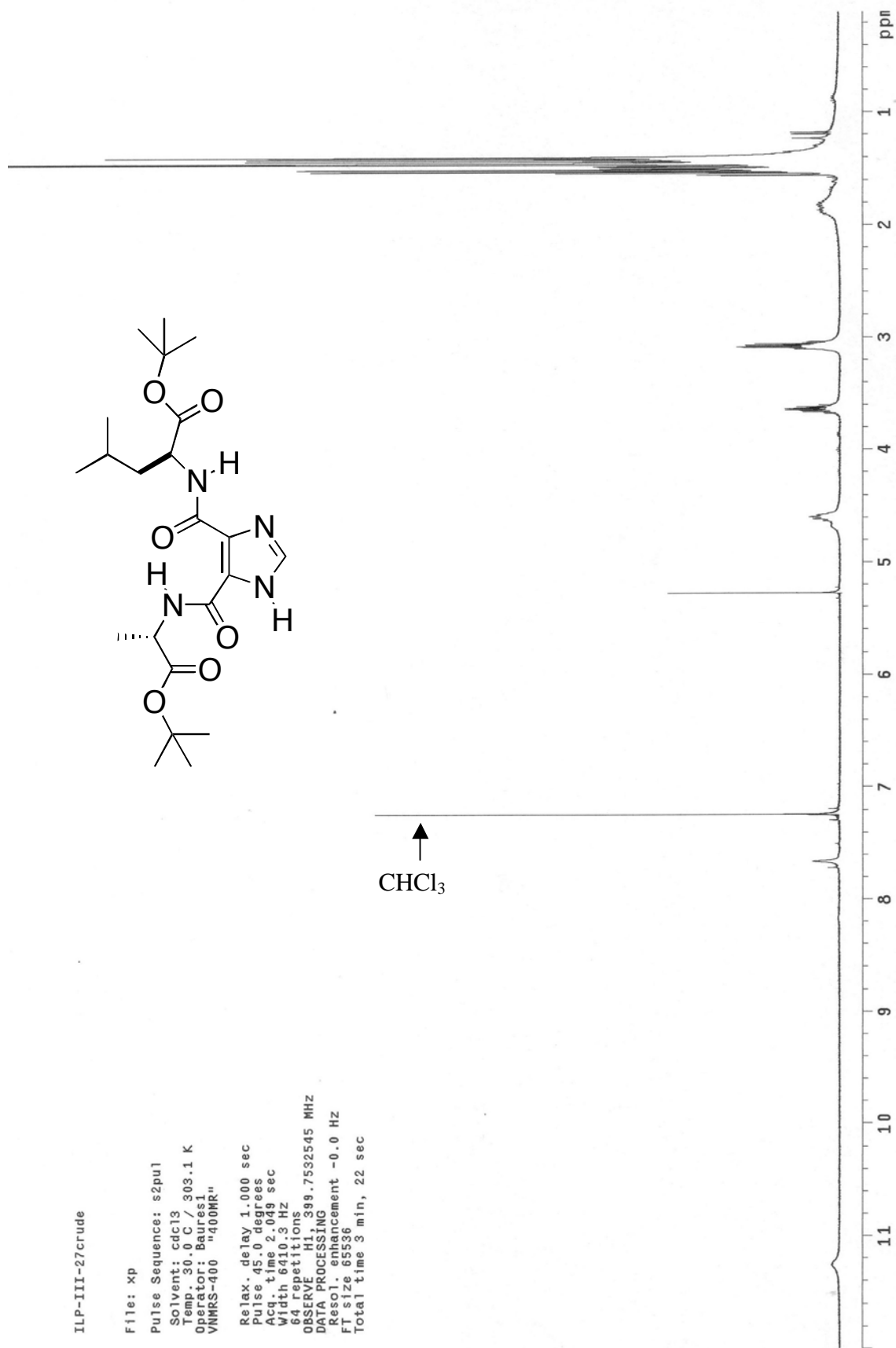


Figure S77. ¹H-NMR for the crude reaction to yield 4{30}.

ILP-III-1crude

File: xp

Pulse Sequence: s2pul

Solvent: cdcl3

Temp. 30.0 C / 303.1 K

Operator: Baures1

VNMR5-400 "400MR"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.049 sec

Width 6410.3 Hz

64 repetitions

OBSERVE H1, 399.7532548 MHz

DATA PROCESSING

Resol. enhancement -0.0 Hz

FT size 65536

Total time 3 min, 22 sec

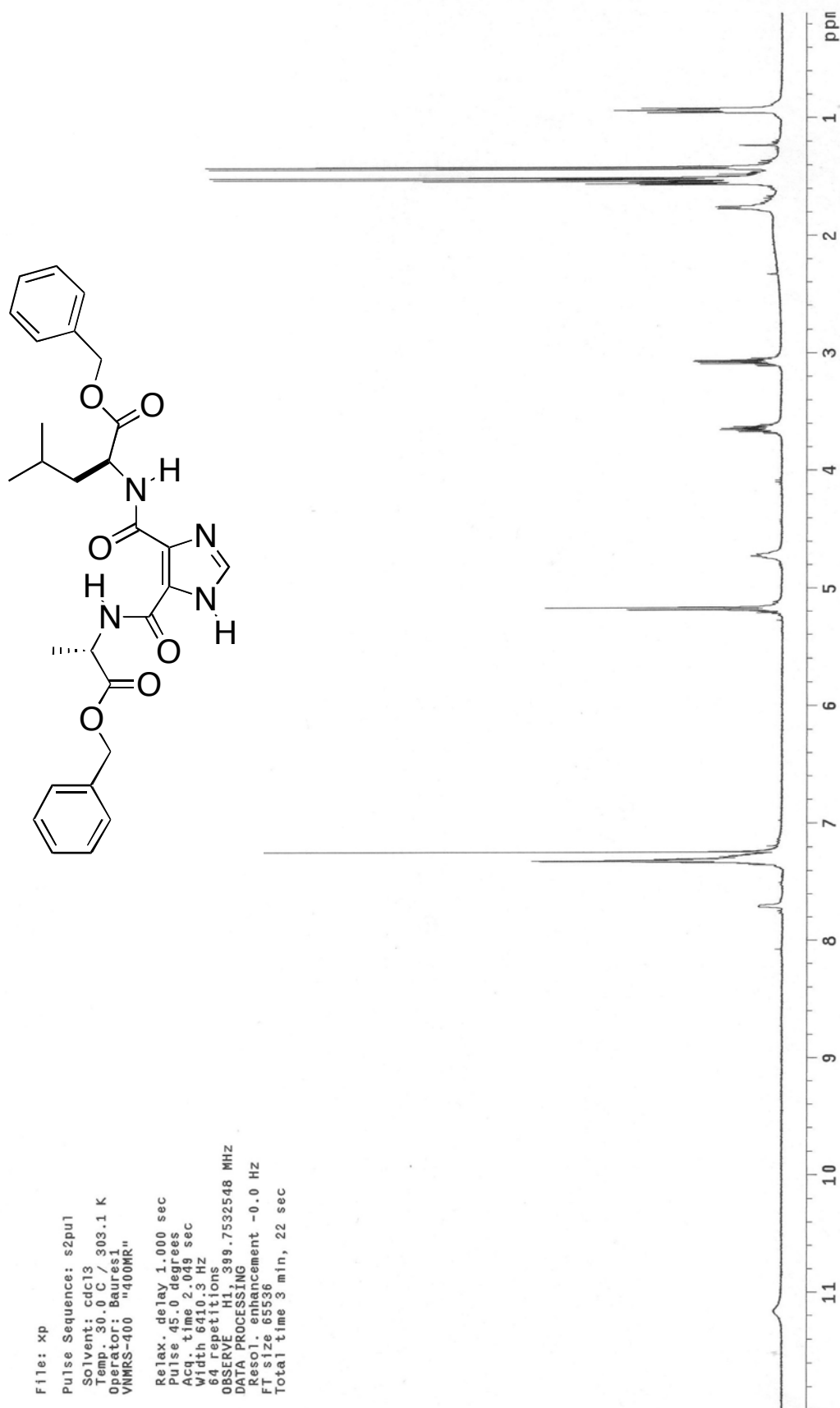


Figure S78. ¹H-NMR for the crude reaction to yield 4{32}.

ILP-III-29crude

File: xp

Pulse Sequence: s2pu1

Solvent: cdcl3

Temp. 30.0 C / 303.1 K

Operator: Baires1

VNMR5-400 "400MR"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.049 sec

Width 6410.3 Hz

64 repetitions

OBSERVE H1, 399.7532553 MHz

DATA PROCESSING

Resol. enhancement -0.0 Hz

FT size 65536

Total time 3 min, 22 sec

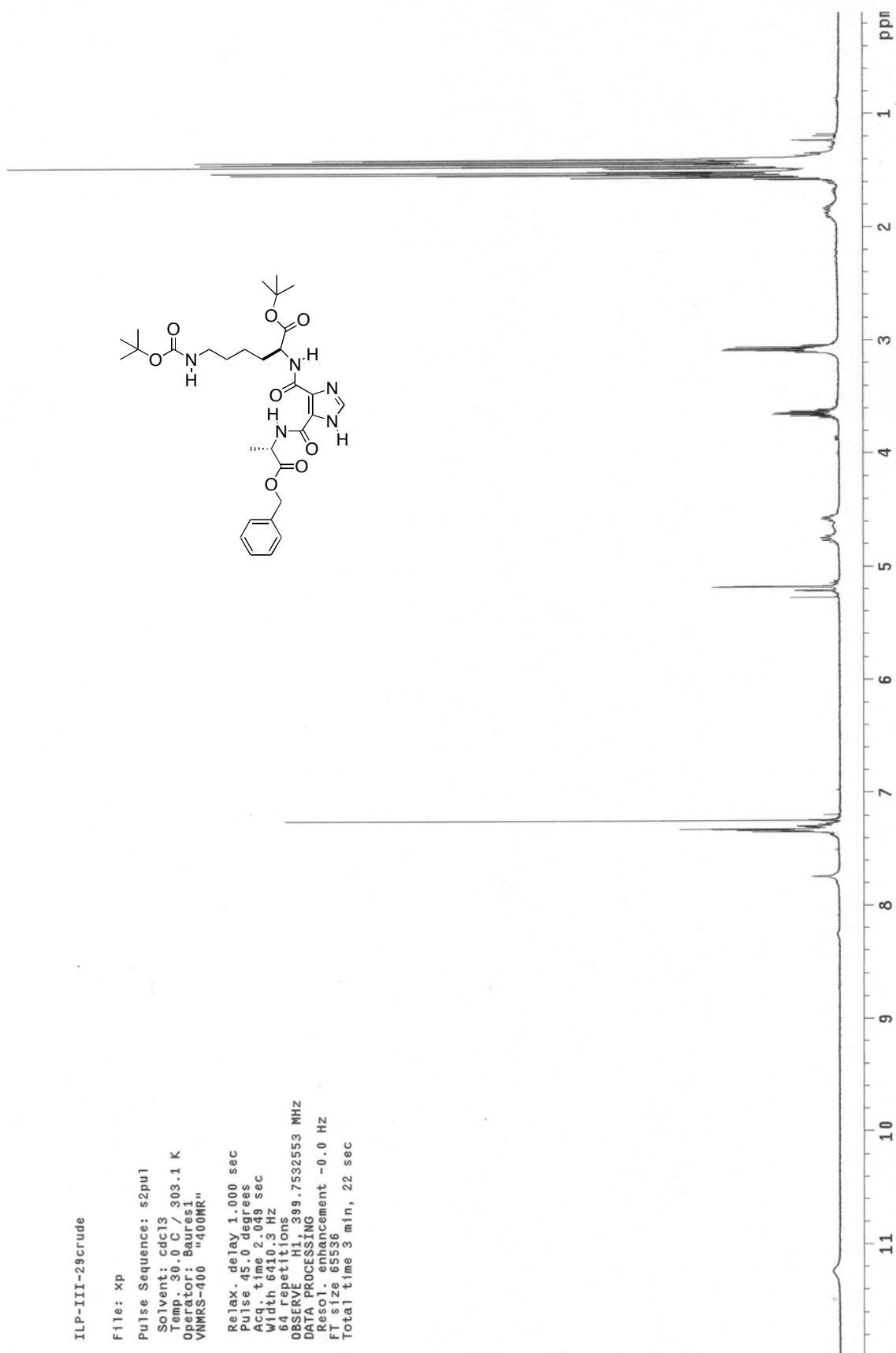
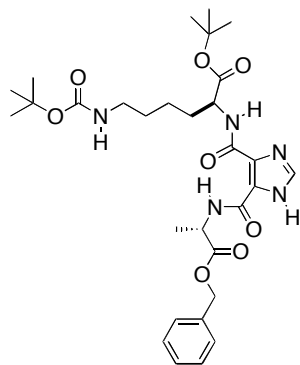


Figure S79. ¹H-NMR for the crude reaction to yield 4{35}.

