Supporting Information

A Simple Method for C-6 Modification of Guanine Nucleosides

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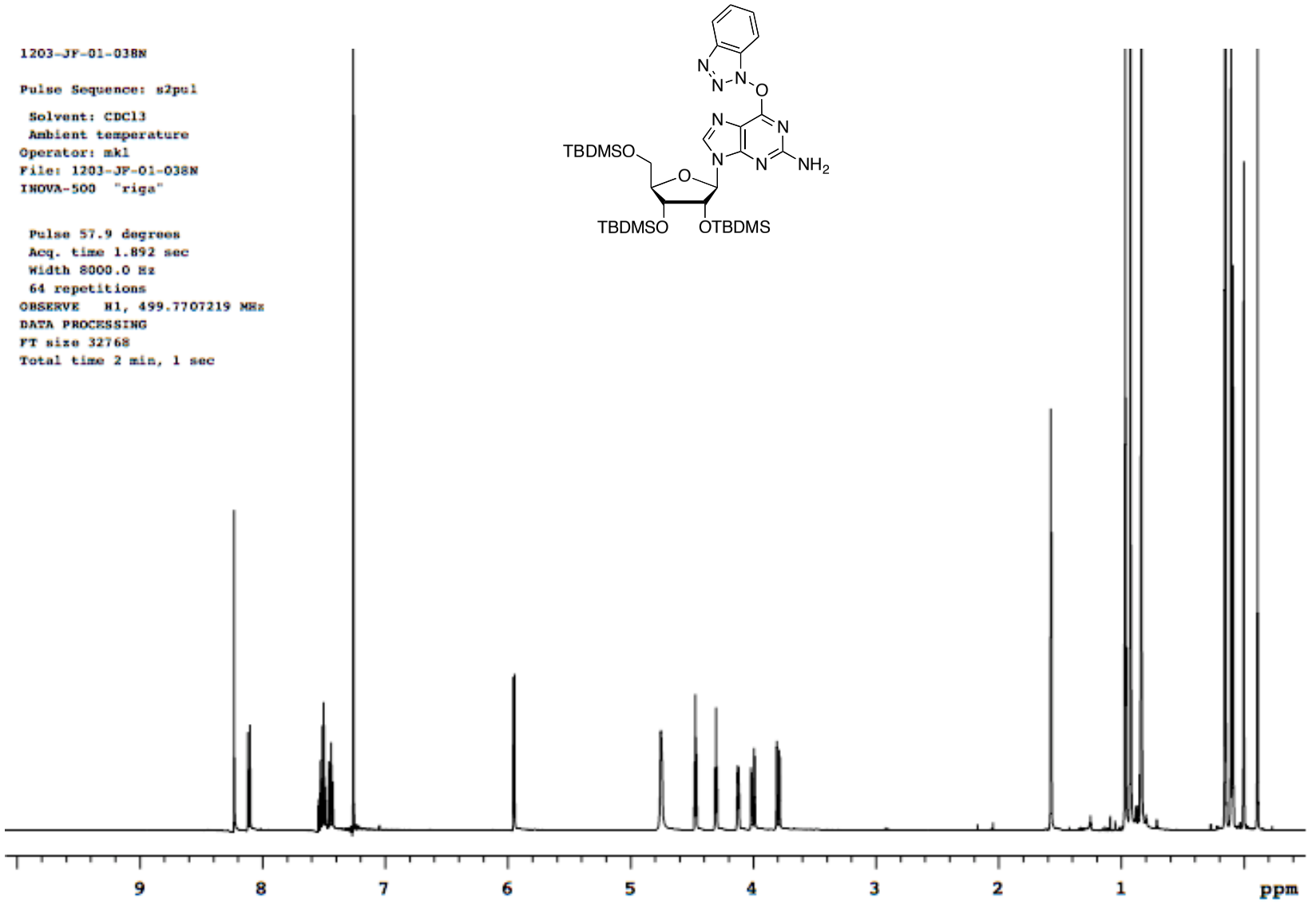
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TBDMSO
TBDMSO
OTBDMS
NH2
9
8
7
6
5
4
3
2
1
ppm

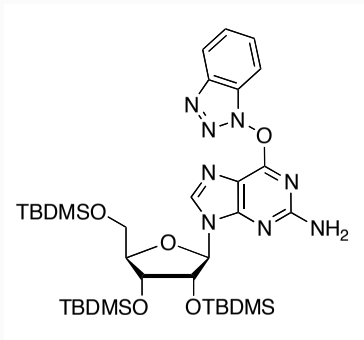
S-1205-06-19-CDCl3-CC

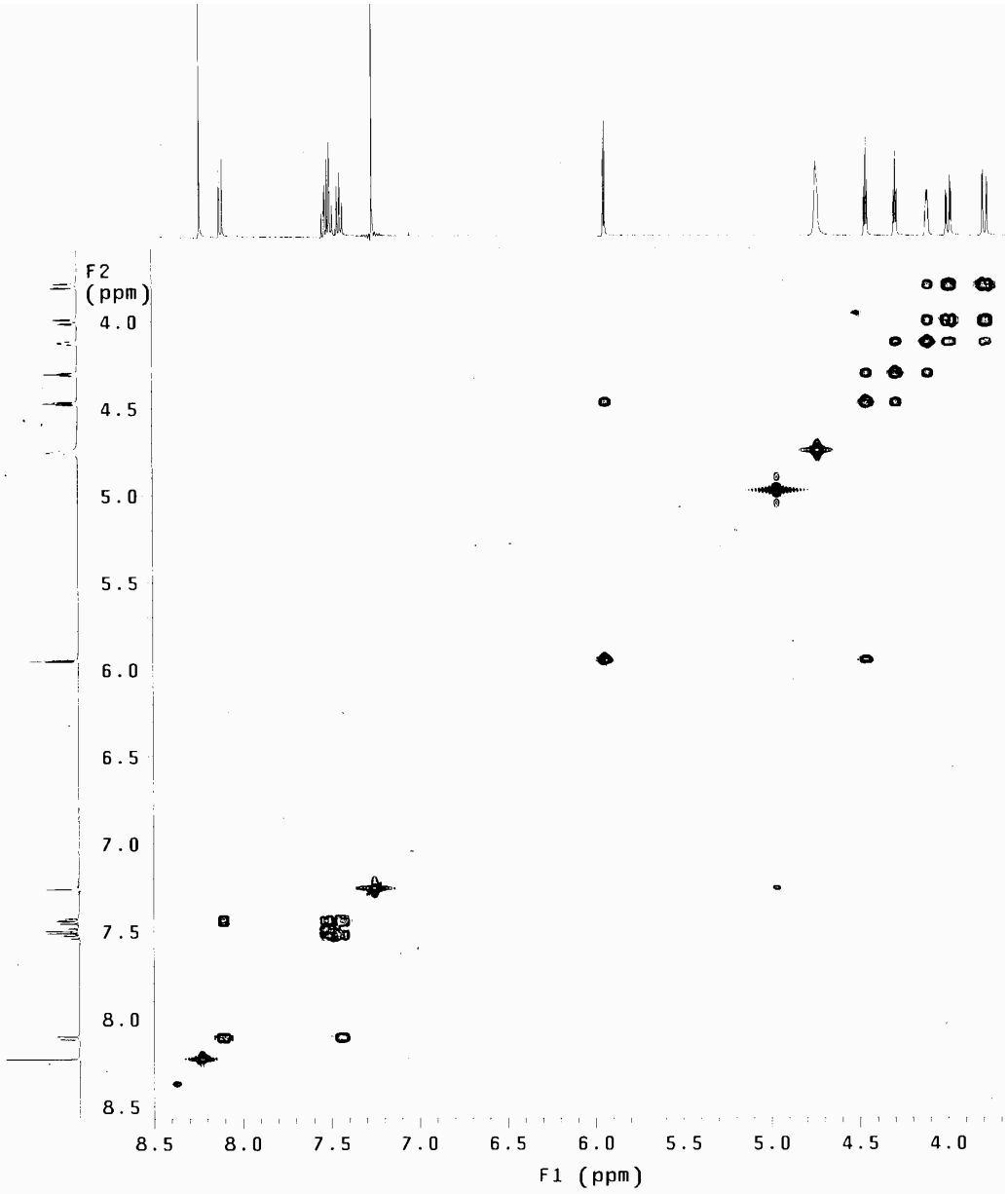
rchive directory: /export/home/mkl/vnmrsys/data
ile: 1203-JF-01-00cosy1

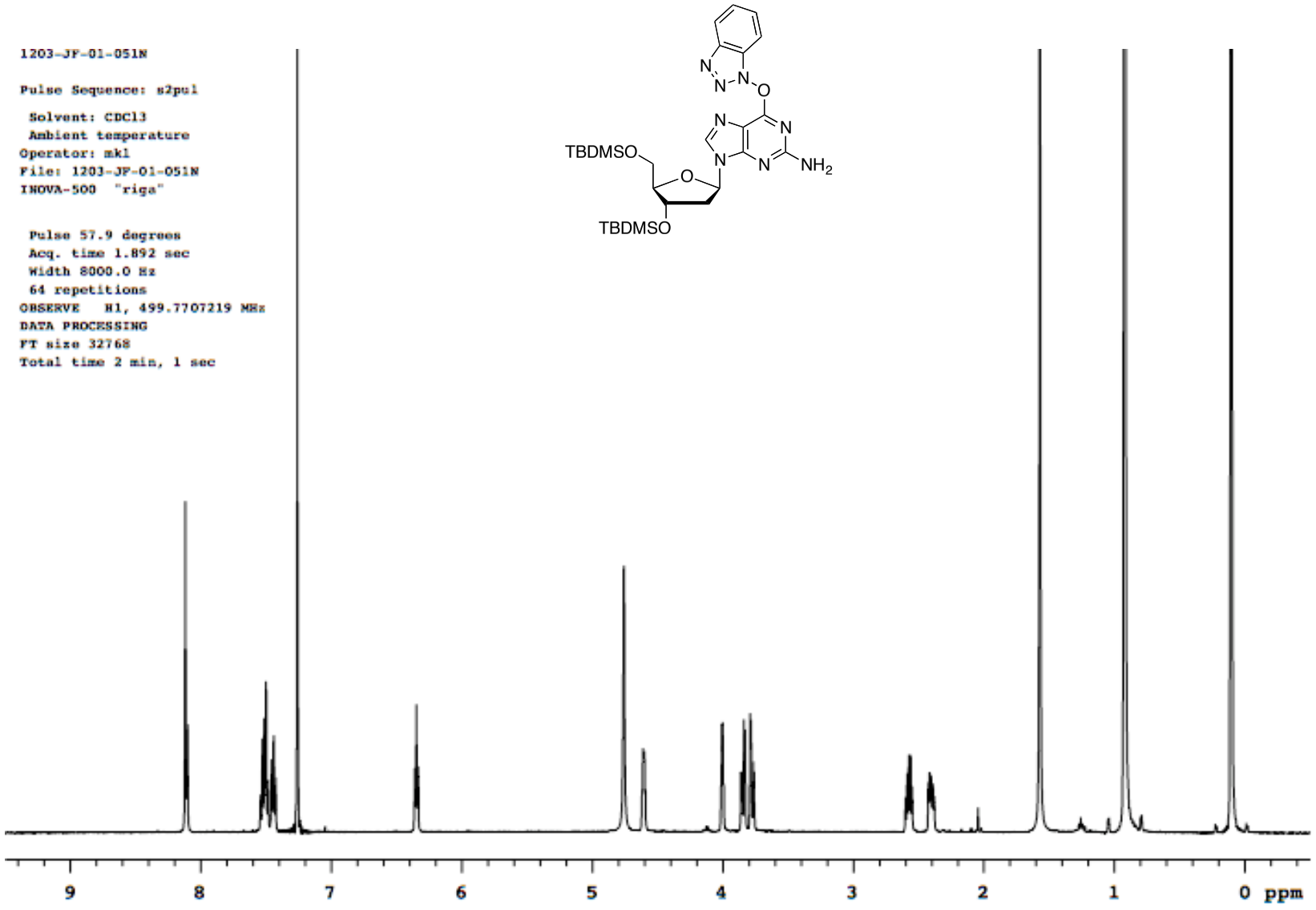
lse Sequence: gcosy

olvent: CDCl3
mbient temperature
erator: mkl
le: 1203-JF-01-00cosy1
OVA-500 "capella500"

elax. delay 1.000 sec
cq. time 0.205 sec
idth 10000.0 Hz
D Width 10000.0 Hz
ingle scan
024 increments
SERVE H1, 499.7707233 MHz
TA PROCESSING
ine bell 0.091 sec
DATA PROCESSING
ine bell 0.051 sec
size 4096 x 4096
tal time 21 min, 42 sec



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Width 8000.0 Hz
64 repetitions
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DATA PROCESSING
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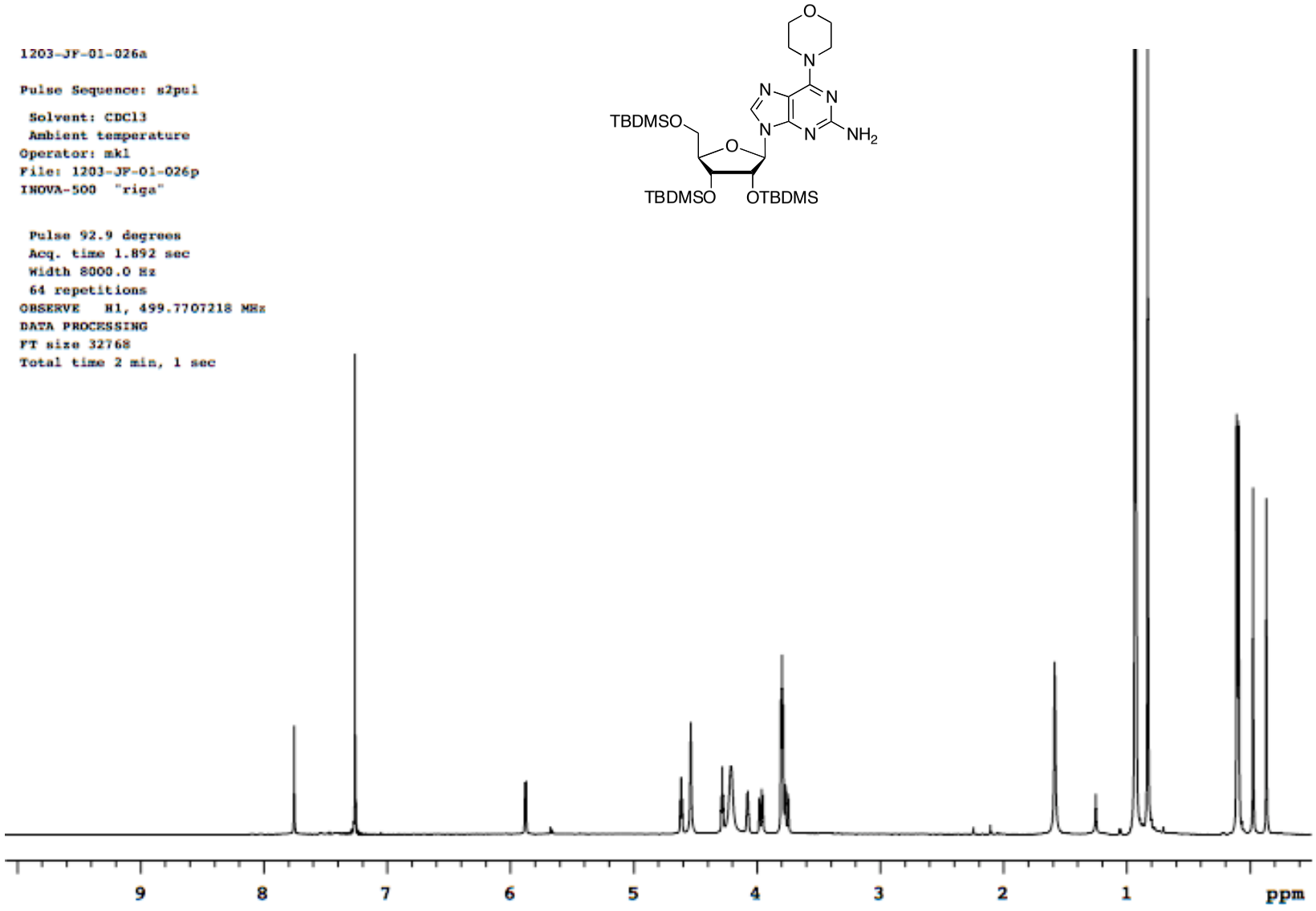
Total time 2 min, 1 sec
TBDMSO
TBDMSO
NH2
9
8
7
6
5
4
3
2
1
0 ppm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64 repetitions
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DATA PROCESSING
FT size 32768
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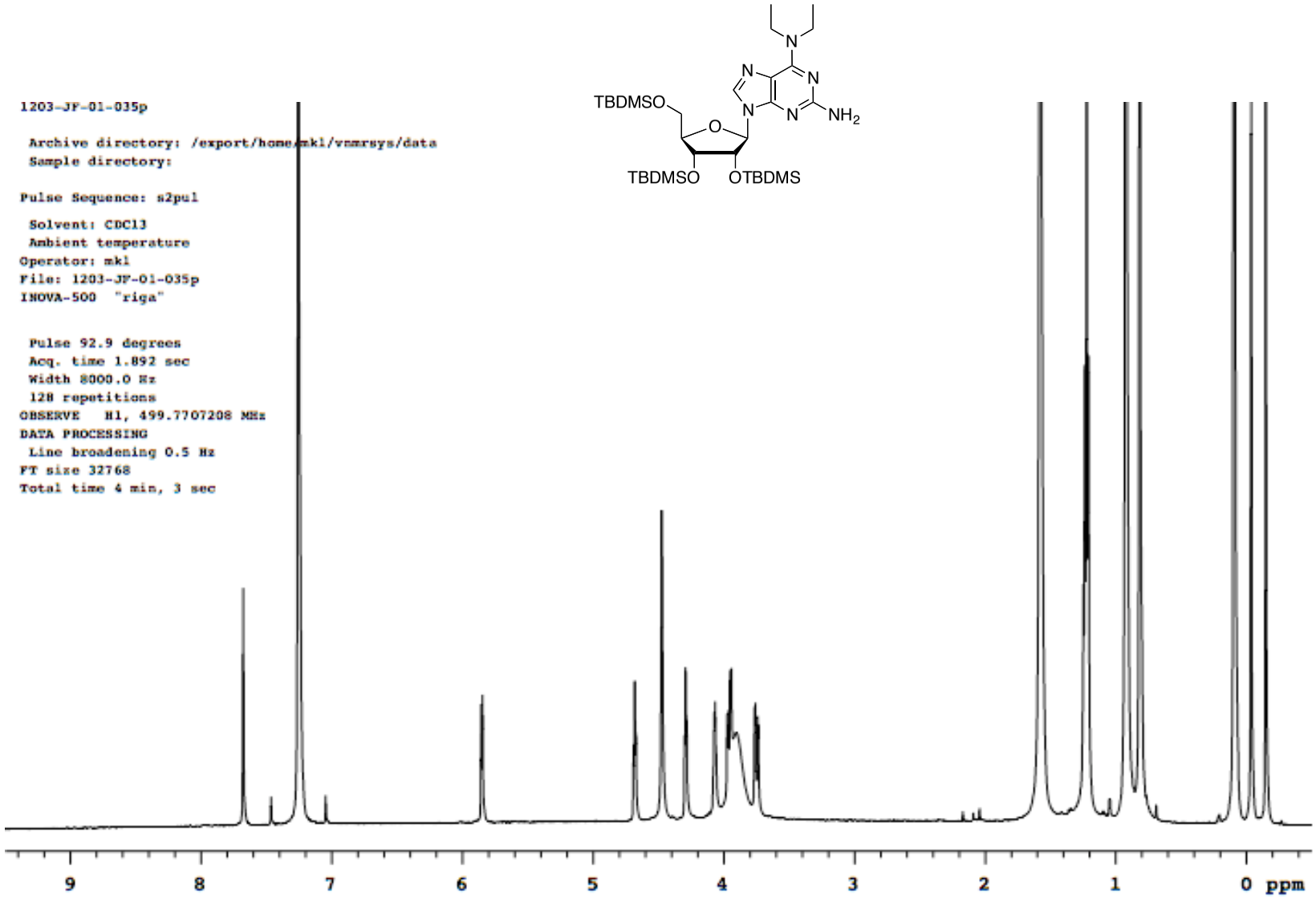
TBDMSO
TBDMSO
OTBDMS
NH2
9
8
7
6
5
4
3
2
1
ppm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Pulse 92.9 degrees
Acq. time 1.892 sec
Width 8000.0 Hz
128 repetitions
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Line broadening 0.5 Hz
FT size 32768
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TBDMSO
OTBDMS
NH2
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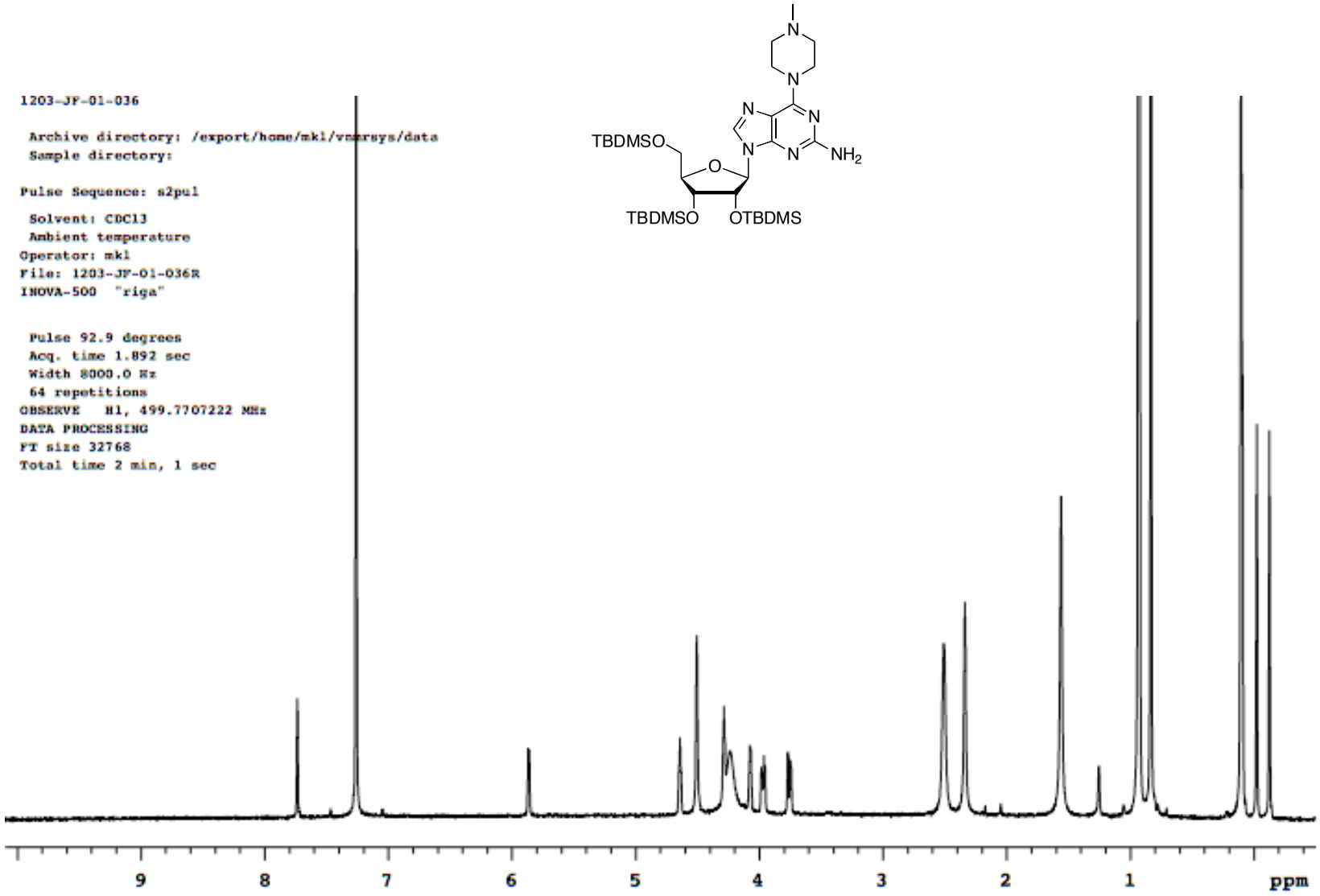
8
7
6
5
4
3
2
1
0 ppm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Pulse 92.9 degrees
Acq. time 1.892 sec
Width 8000.0 Hz
64 repetitions
OBSERVE H1, 499.7707222 MHz
DATA PROCESSING
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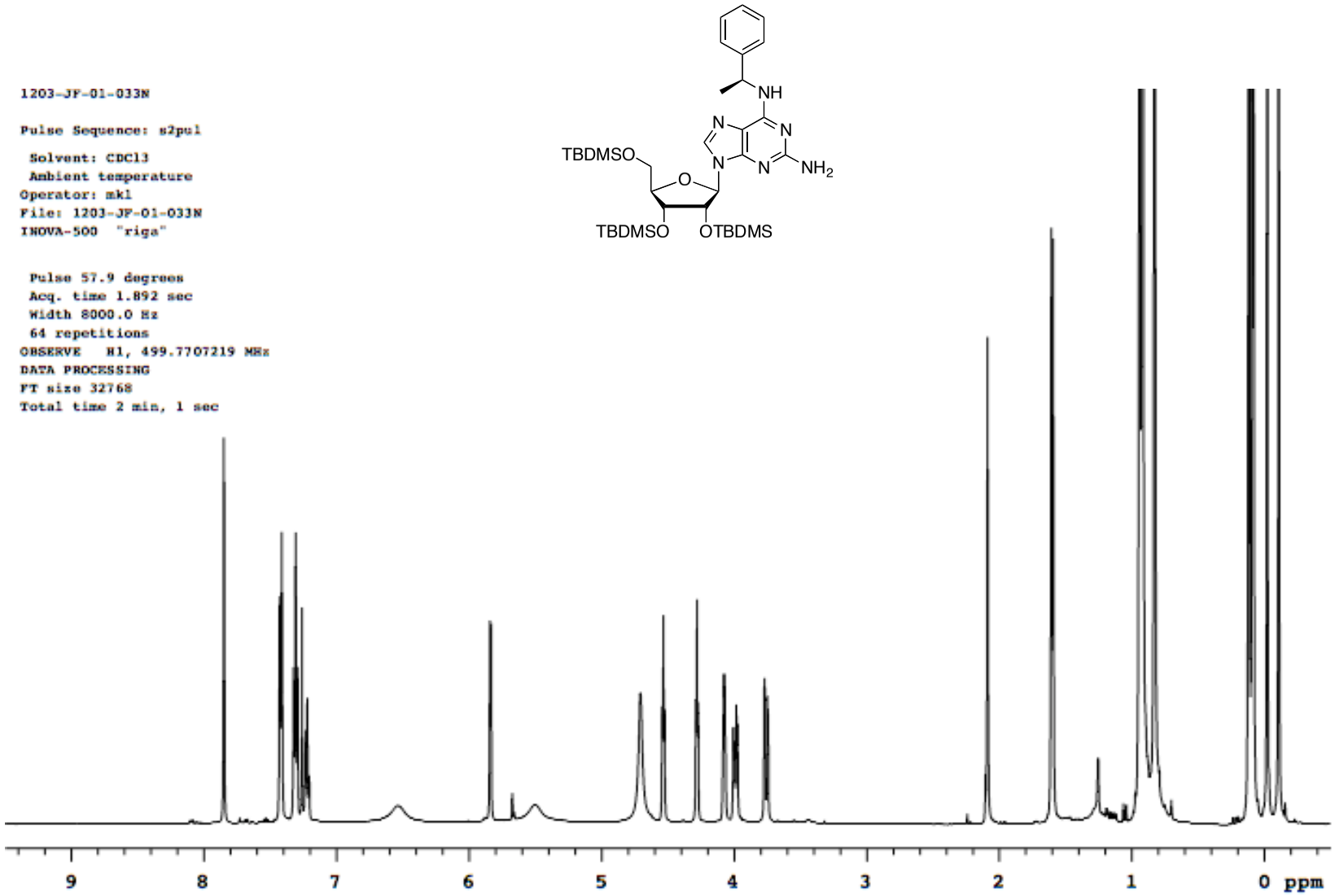
TBDMSO
OTBDMS
NH2
9
8
7
6
5
4
3
2
1
ppm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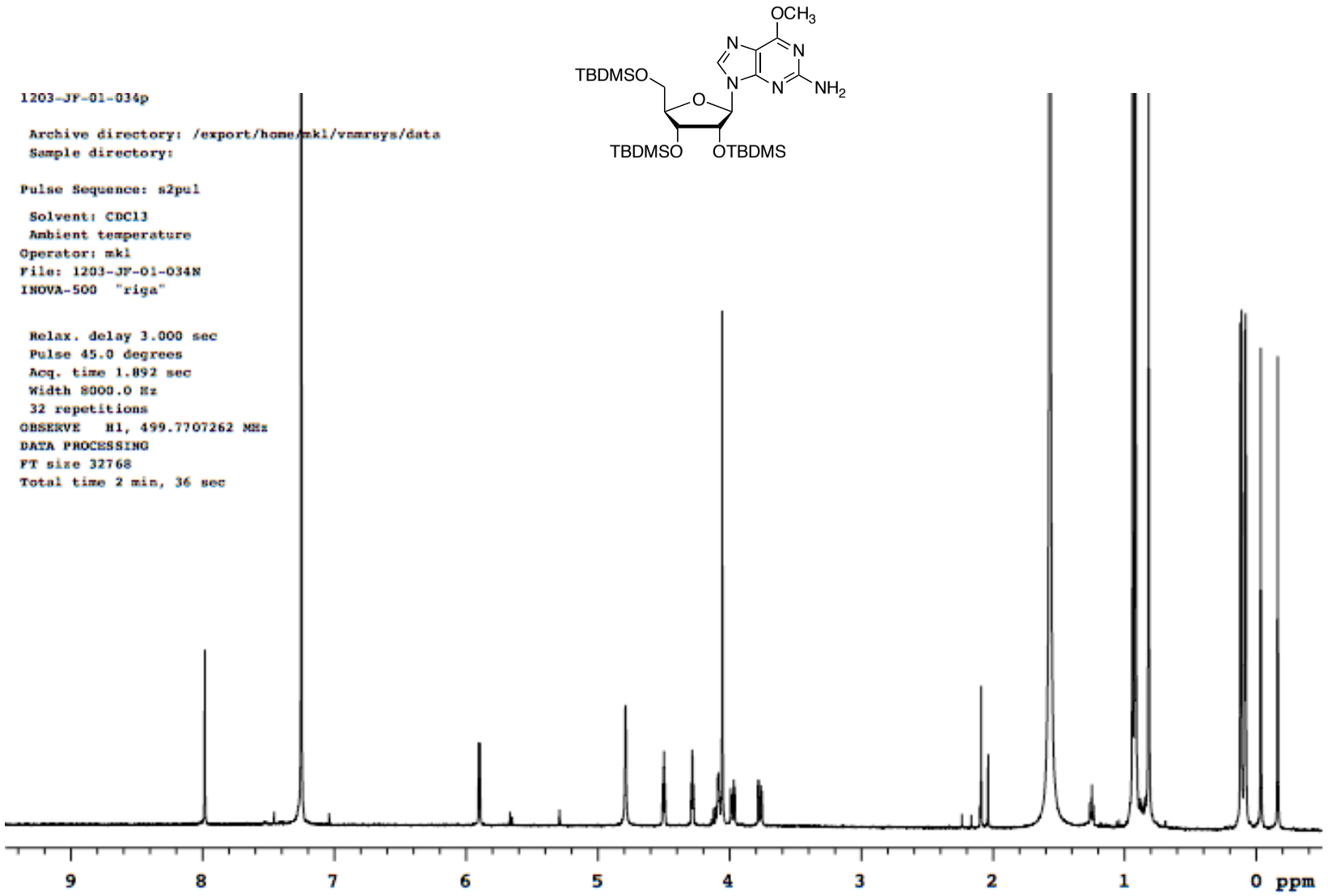
64 repetitions
OBSERVE H1, 499.7707219 MHz
DATA PROCESSING
FT size 32768
Total time 2 min, 1 sec
NH
N
N
N
N
NH2
TBDMSO
O
TBDMSO
OTBDMS
9
8
7
6
5
4
3
2
1
0 ppm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NH2
TBDMSO
O
TBDMSO
OTBDMS
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Relax. delay 3.000 sec
Pulse 45.0 degrees
Acq. time 1.892 sec
Width 8000.0 Hz
32 repetitions
OBSERVE H1, 499.7707262 MHz
DATA PROCESSING
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Total time 2 min, 36 sec
9
8
7
6
5
4
3
2
1
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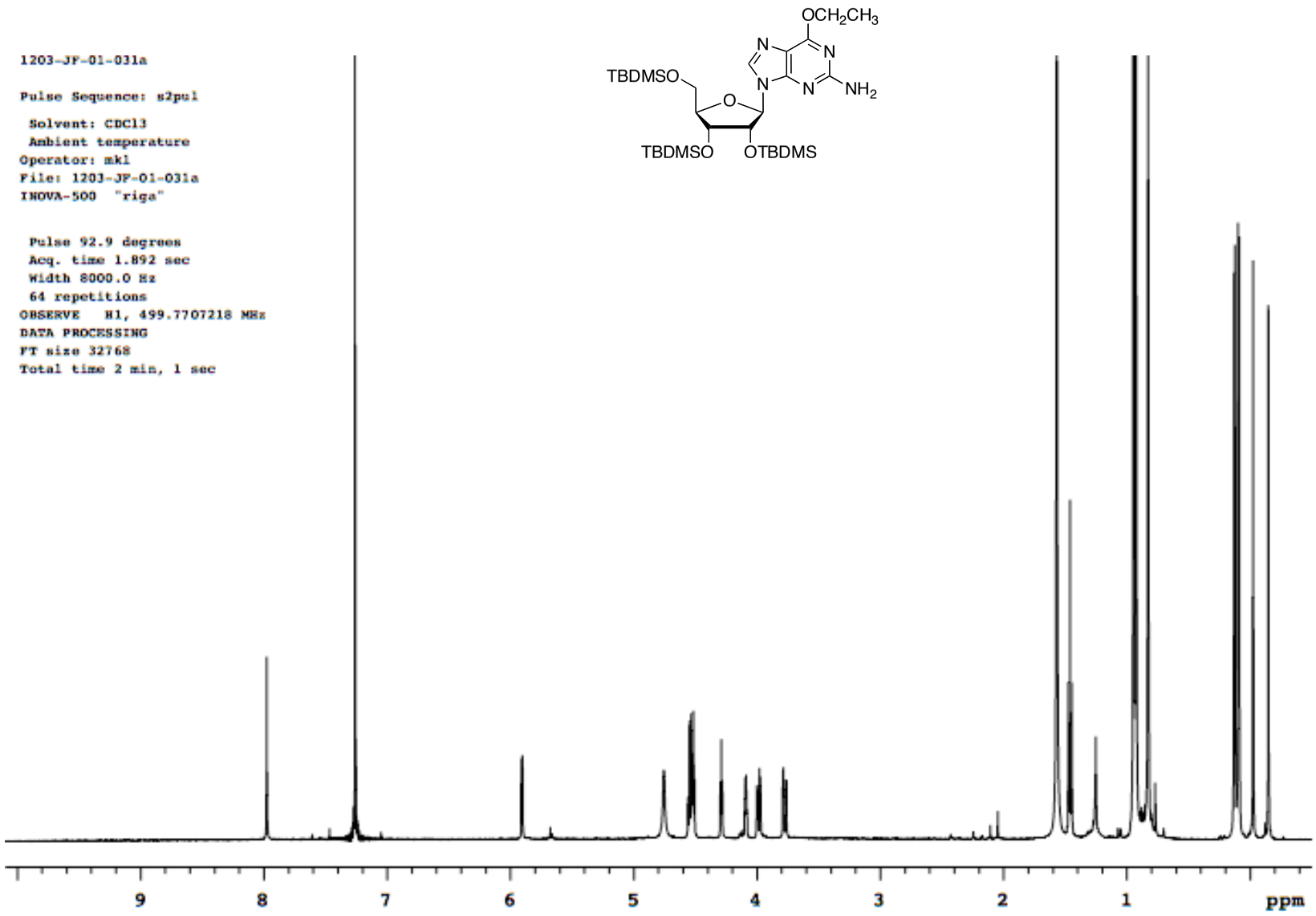
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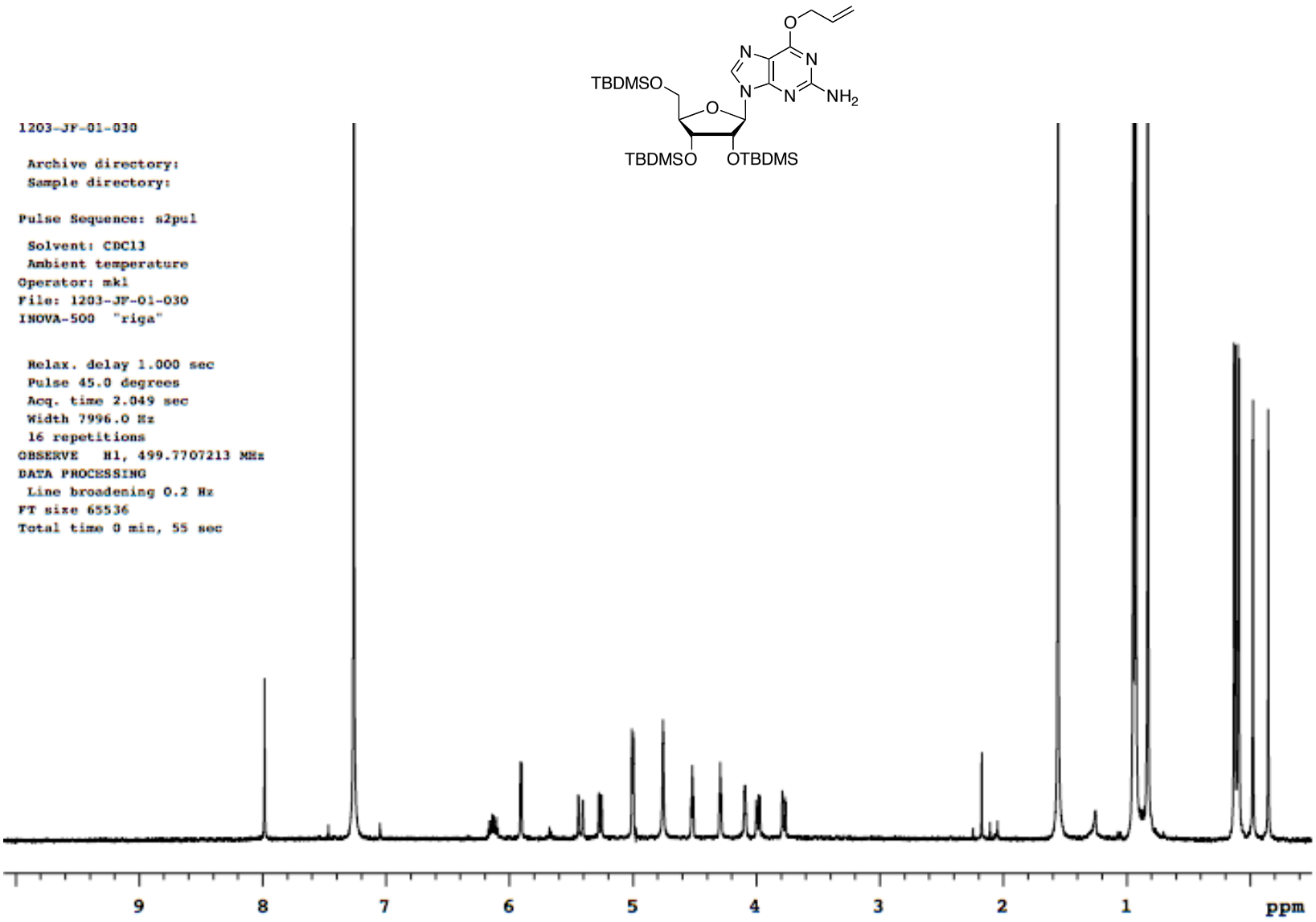
Acq. time 1.892 sec
Width 8000.0 Hz
64 repetitions
OBSERVE H1, 499.7707218 MHz
DATA PROCESSING
FT size 32768
Total time 2 min, 1 sec
OCH2CH3
N
N
N
N
NH2
TBDMSO
O
TBDMSO
OTBDMS
9
8
7
6
5
4
3
2
1
ppm


TBDMSO
TBDMSO
OTBDMS
NH2
1203-JF-01-030
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Sample directory:
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Solvent: CDCl3
Ambient temperature
Operator: mkl
File: 1203-JF-01-030
INOVA-500 "riga"
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.049 sec
Width 7996.0 Hz
16 repetitions
OBSERVE H1, 499.7707213 MHz
DATA PROCESSING
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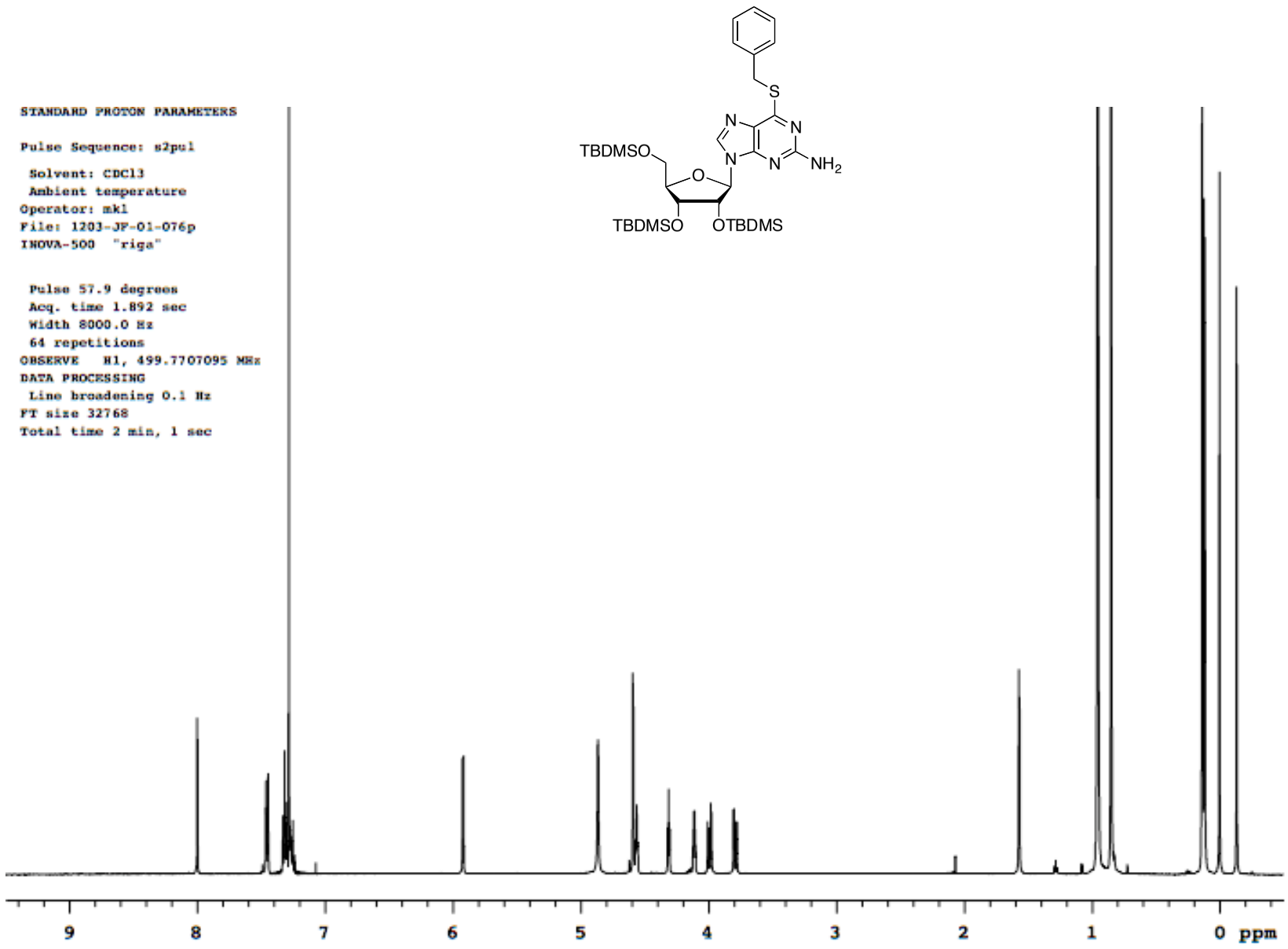
Total time 0 min, 55 sec
9
8
7
6
5
4
3
2
1
ppm


STANDARD PROTON PARAMETERS
Pulse Sequence: s2pul
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Ambient temperature
Operator: mkl
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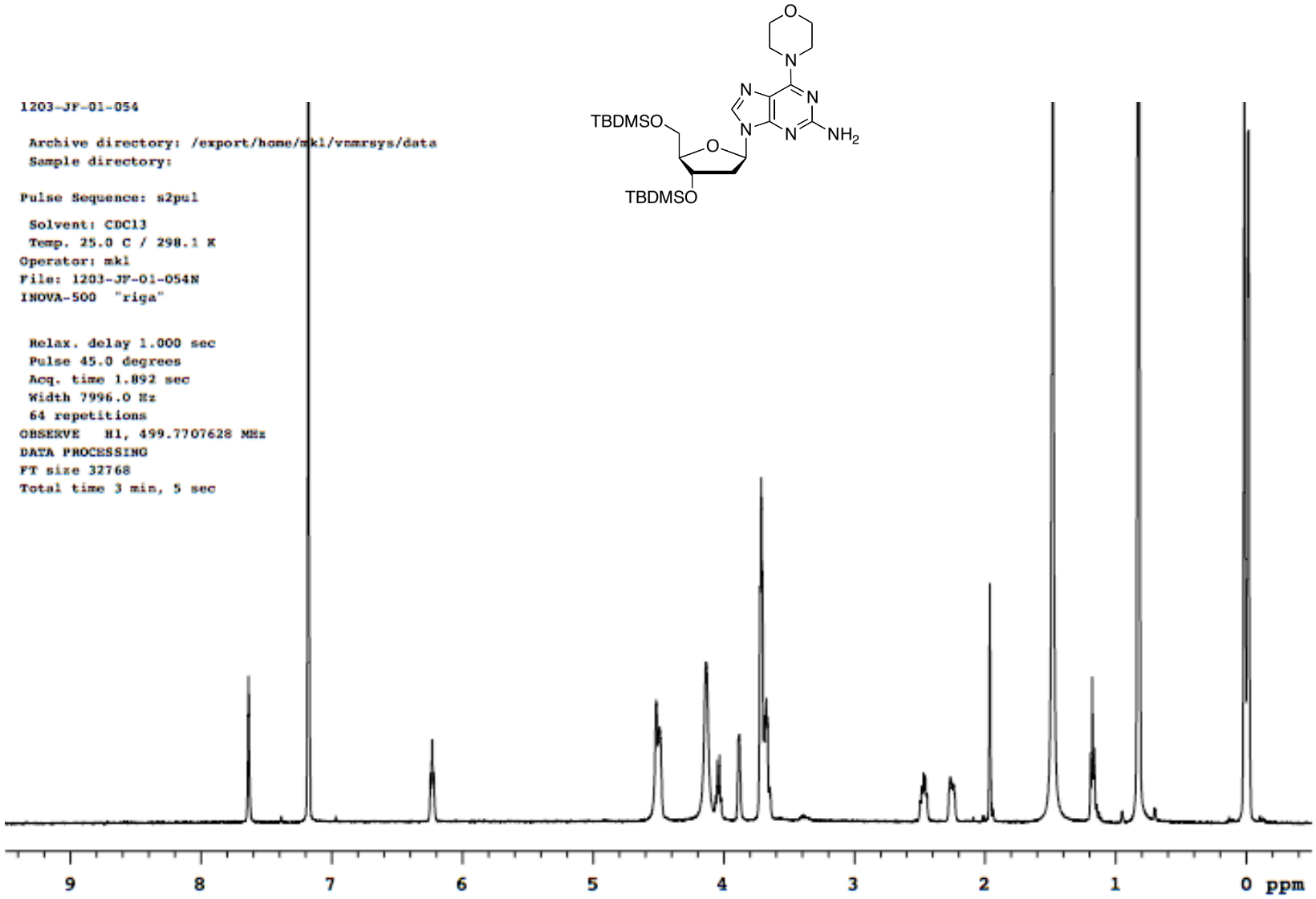
Pulse 57.9 degrees
Acq. time 1.892 sec
Width 8000.0 Hz
64 repetitions
OBSERVE H1, 499.7707095 MHz
DATA PROCESSING
Line broadening 0.1 Hz
FT size 32768
Total time 2 min, 1 sec
TBDMSO
TBDMSO
OTBDMS
S
N
N
N
N
NH2
O
9
8
7
6
5
4
3
2
1
0 ppm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Operator: mkl
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Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.892 sec
Width 7996.0 Hz
64 repetitions
OBSERVE H1, 499.7707628 MHz
DATA PROCESSING
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Total time 3 min, 5 sec
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TBDMSO
NH2
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8
7
6
5
4
3
2
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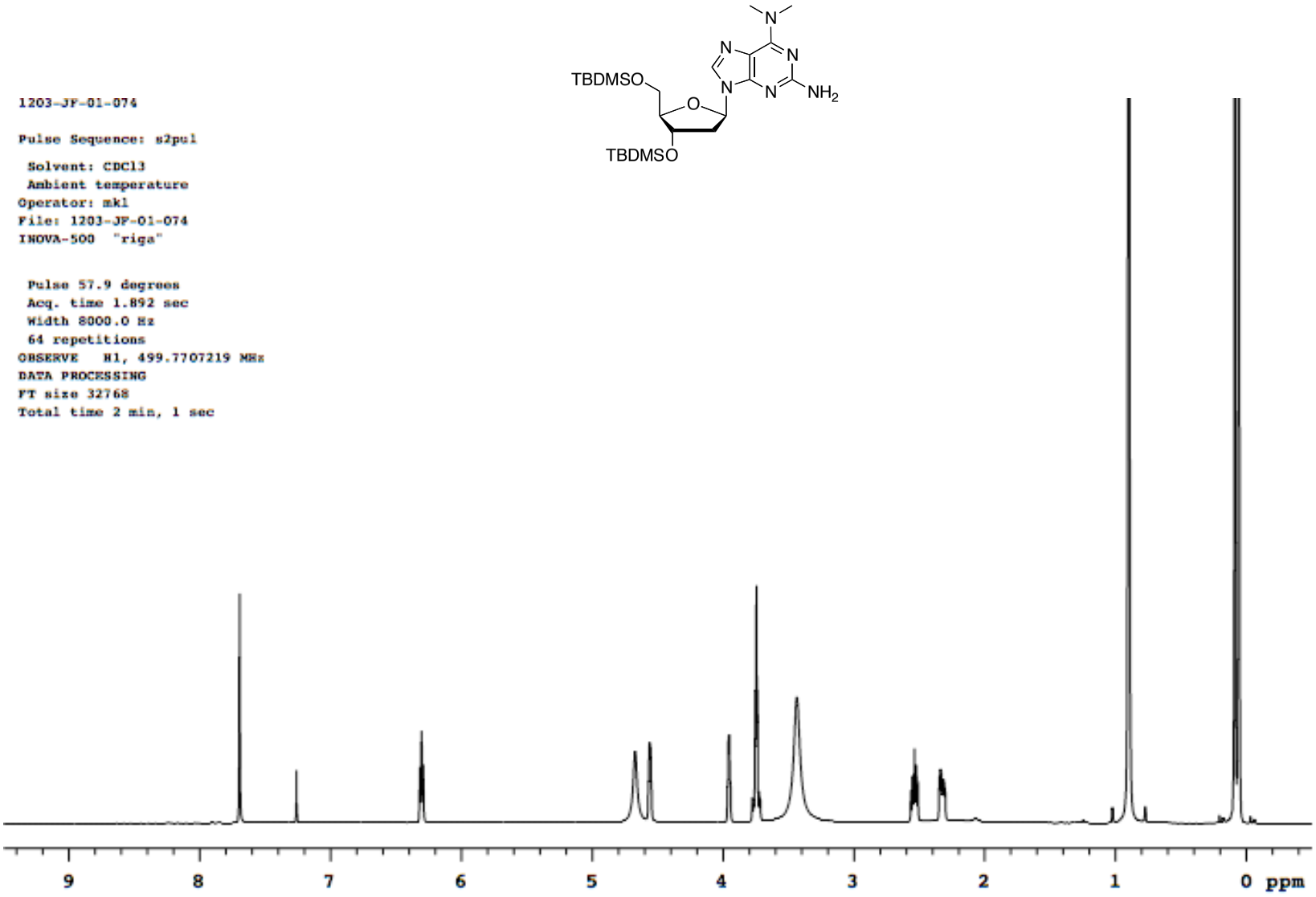
0 ppm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N
N
N
N
N
NH2
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64 repetitions
OBSERVE H1, 499.7707219 MHz
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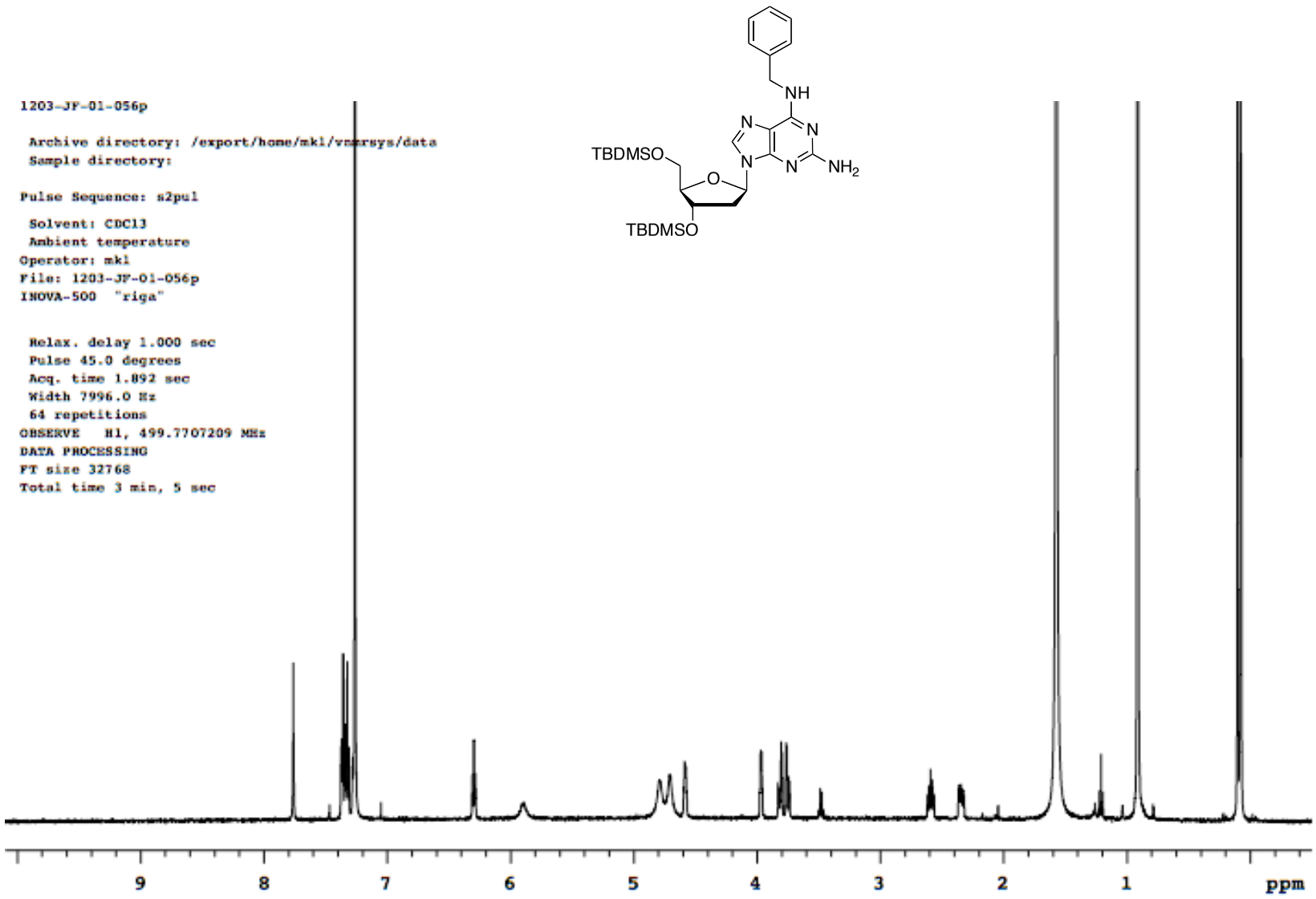
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DATA PROCESSING
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Total time 3 min, 5 sec
NH
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N
N
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N
NH2
O
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TBDMSO
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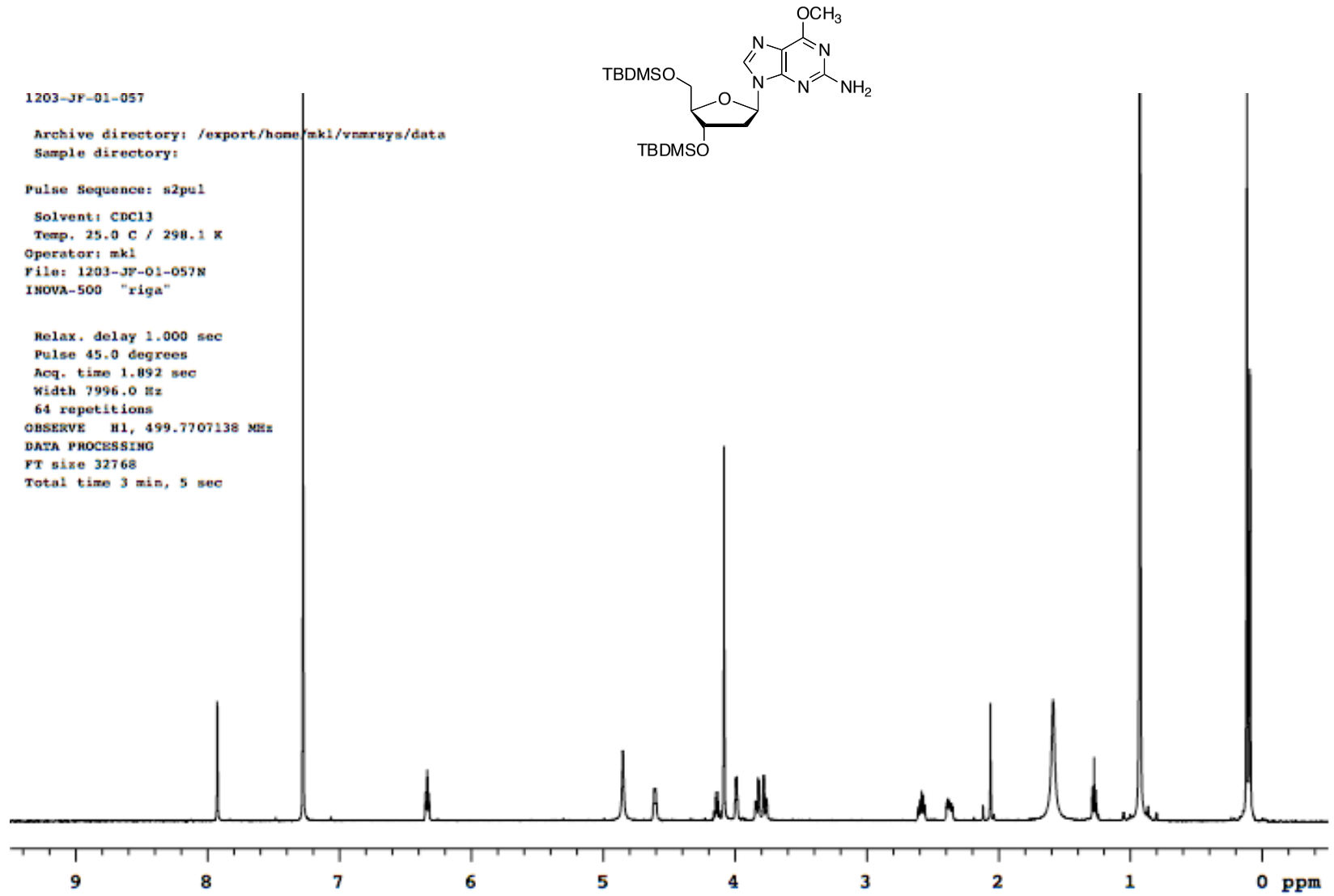
7
6
5
4
3
2
1
ppm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NH2
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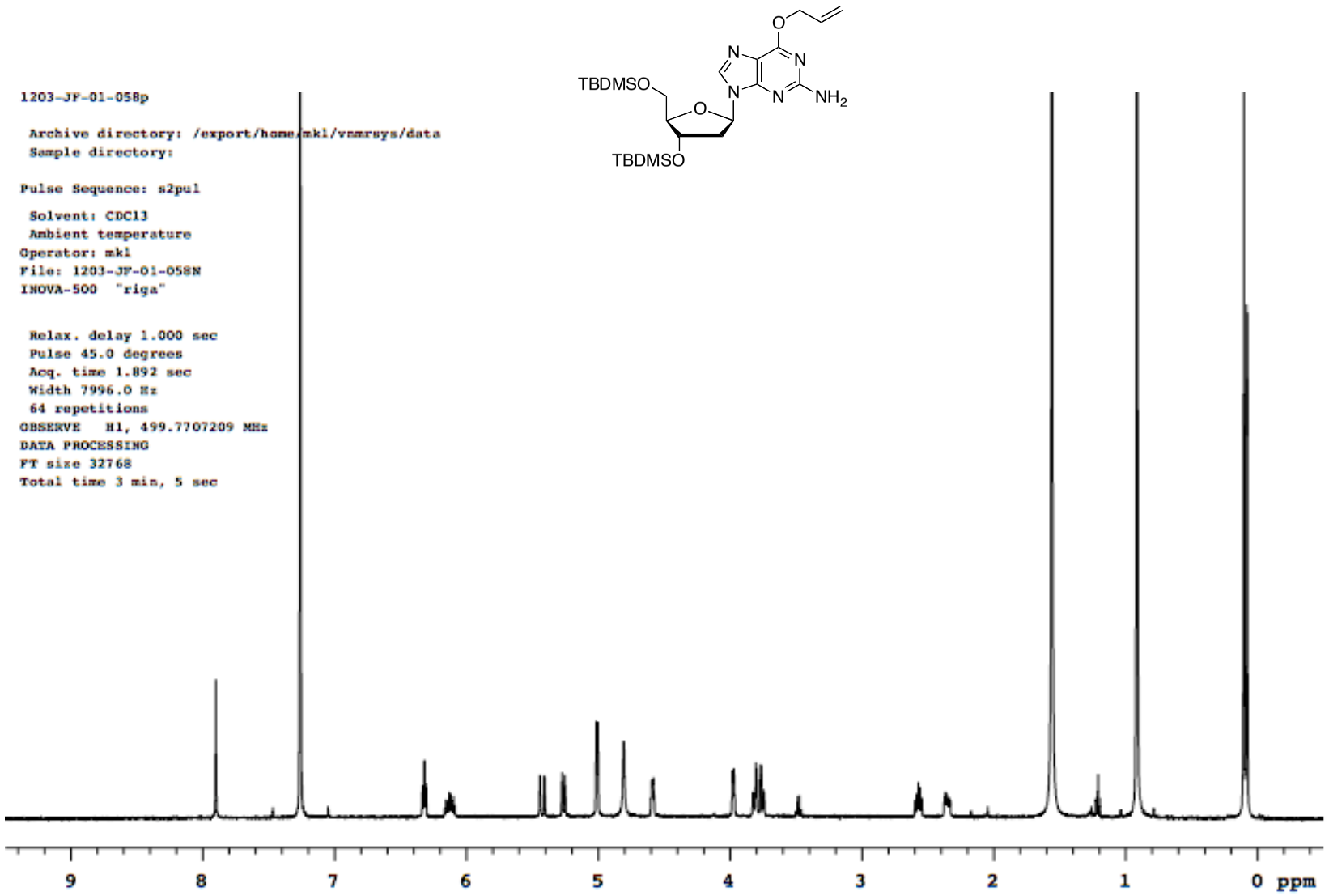
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Width 7996.0 Hz
64 repetitions
OBSERVE H1, 499.7707209 MHz
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Total time 3 min, 5 sec
TBDMSO
TBDMSO
O
N
N
N
N
NH2
9
8
7
6
5
4
3
2
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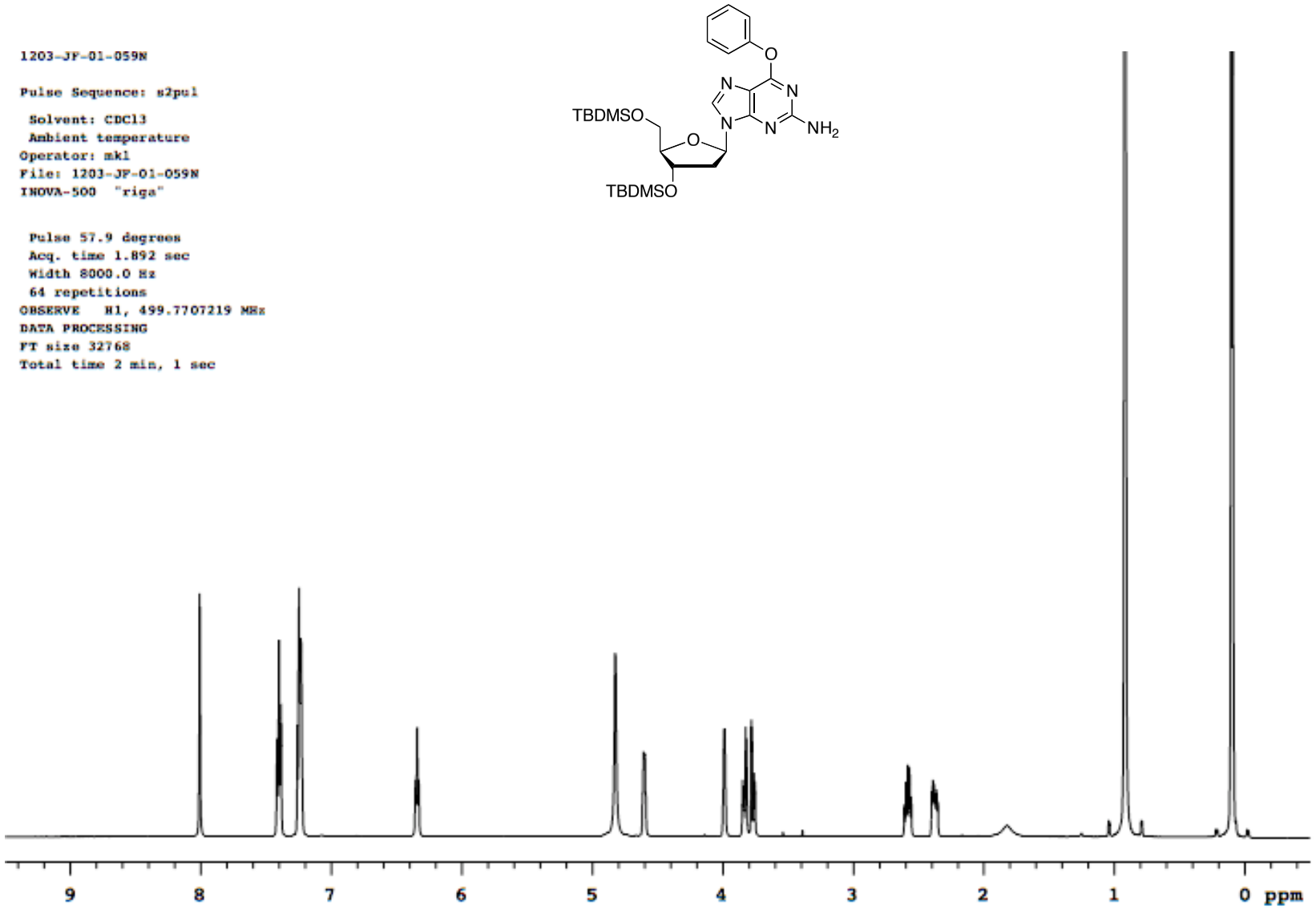
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Ambient temperature
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Pulse 57.9 degrees
Acq. time 1.892 sec
Width 8000.0 Hz
64 repetitions
OBSERVE H1, 499.7707219 MHz
DATA PROCESSING
FT size 32768
Total time 2 min, 1 sec
TBDMSO
TBDMSO
O
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N
N
N
NH2
O
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6
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4
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2
1
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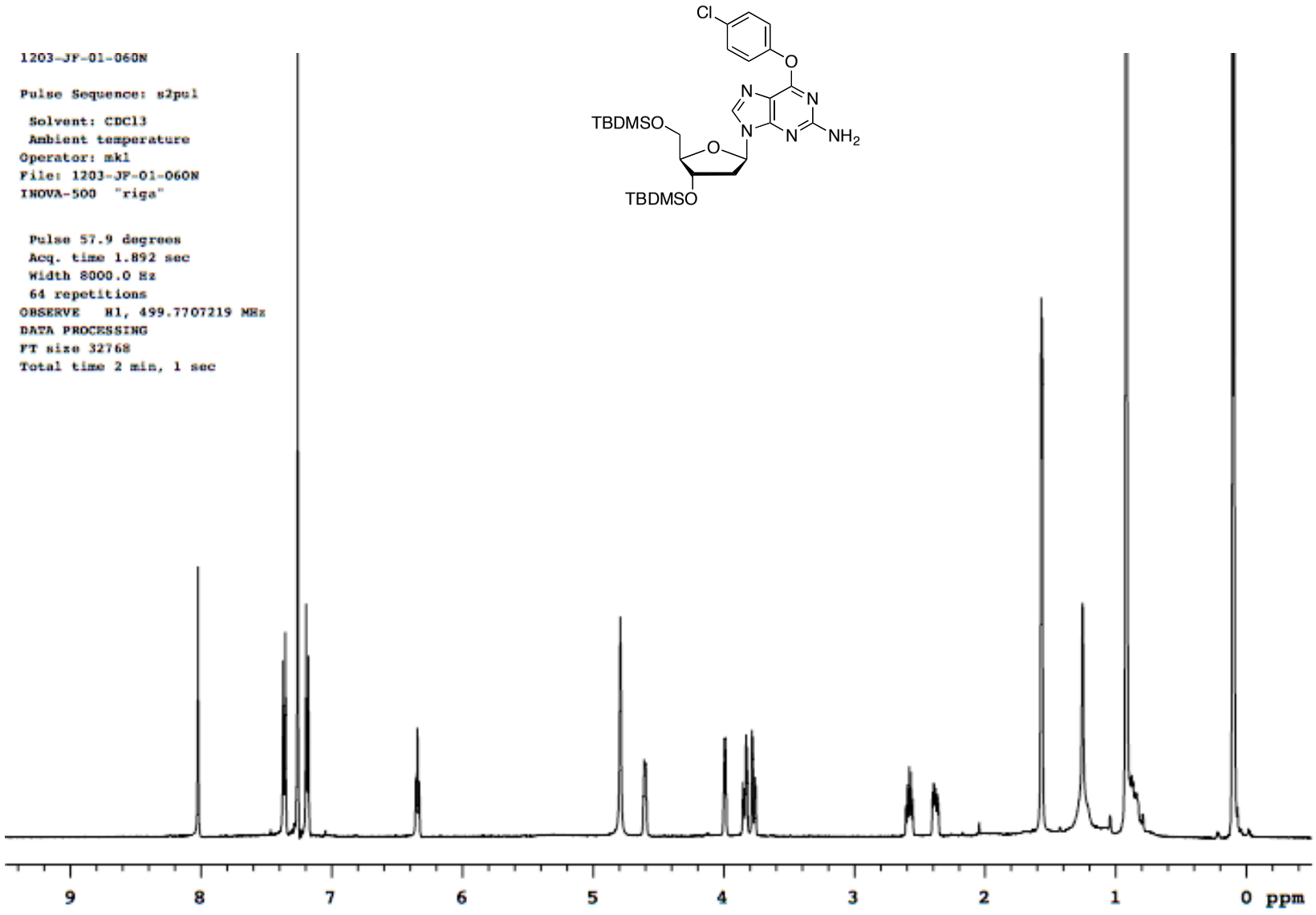
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Acq. time 1.892 sec
Width 8000.0 Hz
64 repetitions
OBSERVE H1, 499.7707219 MHz
DATA PROCESSING
FT size 32768
Total time 2 min, 1 sec
Cl
O
N
N
N
N
NH2
TBDMSO
O
TBDMSO
9
8
7
6
5
4
3
2
1
0 ppm