Supplementary Data

Screening The Anticancer Activity for New Schiff Bases of Natural Steroids

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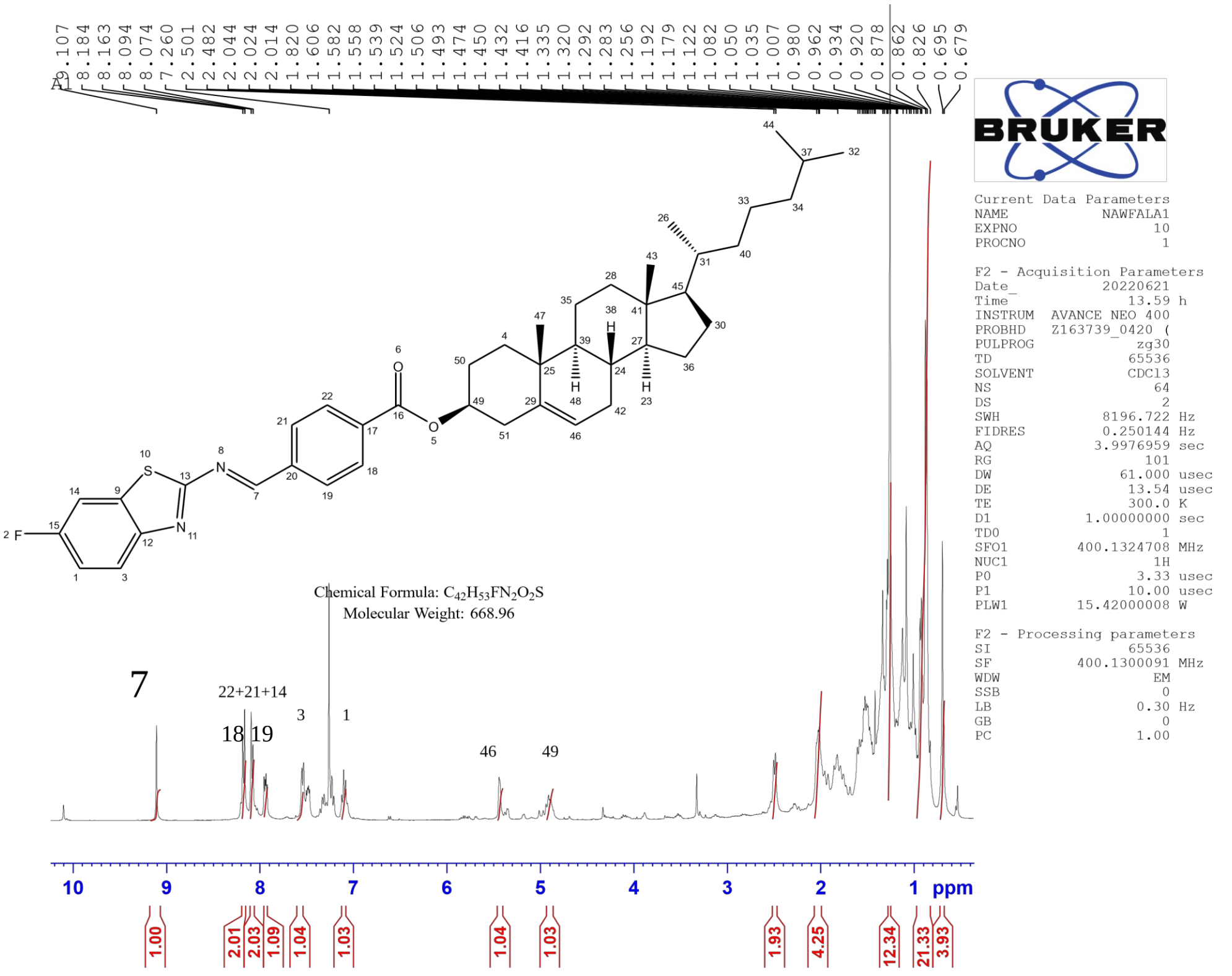
^{1}H NMR documents



Current Data Parameters

NAME	NAWFALA1
EXPNO	10
PROCNO	1

F2 - Acquisition Parameters

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Time	13.59 h
INSTRUM	AVANCE NEO 400
PROBHD	Z163739_0420 (
PULPROG	zg30
TD	65536
SOLVENT	CDCl3
NS	64
DS	2
SWH	8196.722 Hz
FIDRES	0.250144 Hz
AQ	3.9976959 sec
RG	101
DW	61.000 usec
DE	13.54 usec
TE	300.0 K
D1	1.00000000 sec
TD0	1
SFO1	400.1324708 MHz
NUC1	1H
P0	3.33 usec
P1	10.00 usec
PLW1	15.42000008 W

F2 - Processing parameters

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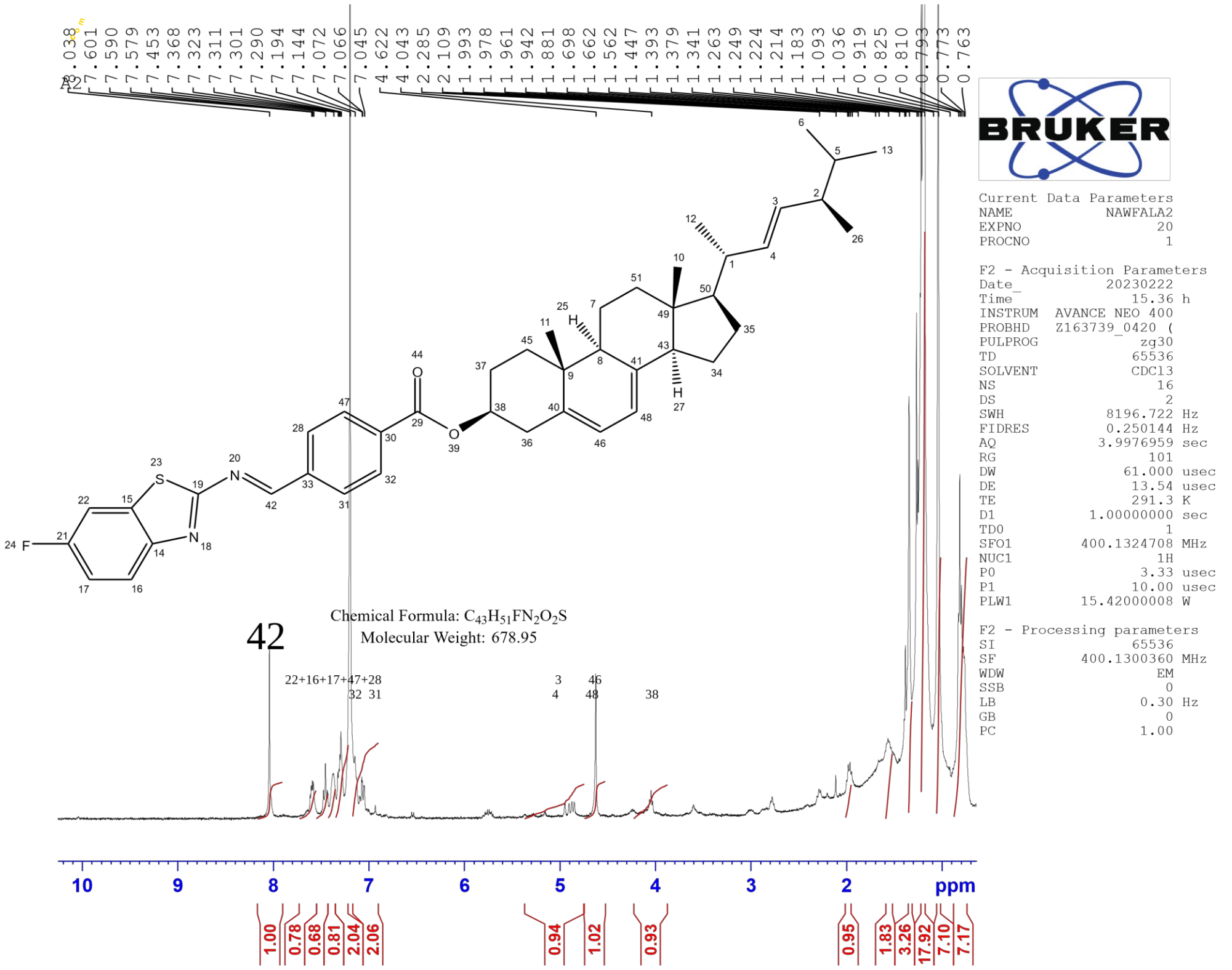
SF	400.1300091 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

Figure 1: a1 compound H NMR document



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EXPNO 20
PROCNO 1

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PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 8196.722 Hz
FIDRES 0.250144 Hz
AQ 3.9976959 sec
RG 101
DW 61.000 usec
DE 13.54 usec
TE 291.3 K
D1 1.00000000 sec
TD0 1
SFO1 400.1324708 MHz
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PLW1 15.42000008 W

F2 - Processing parameters
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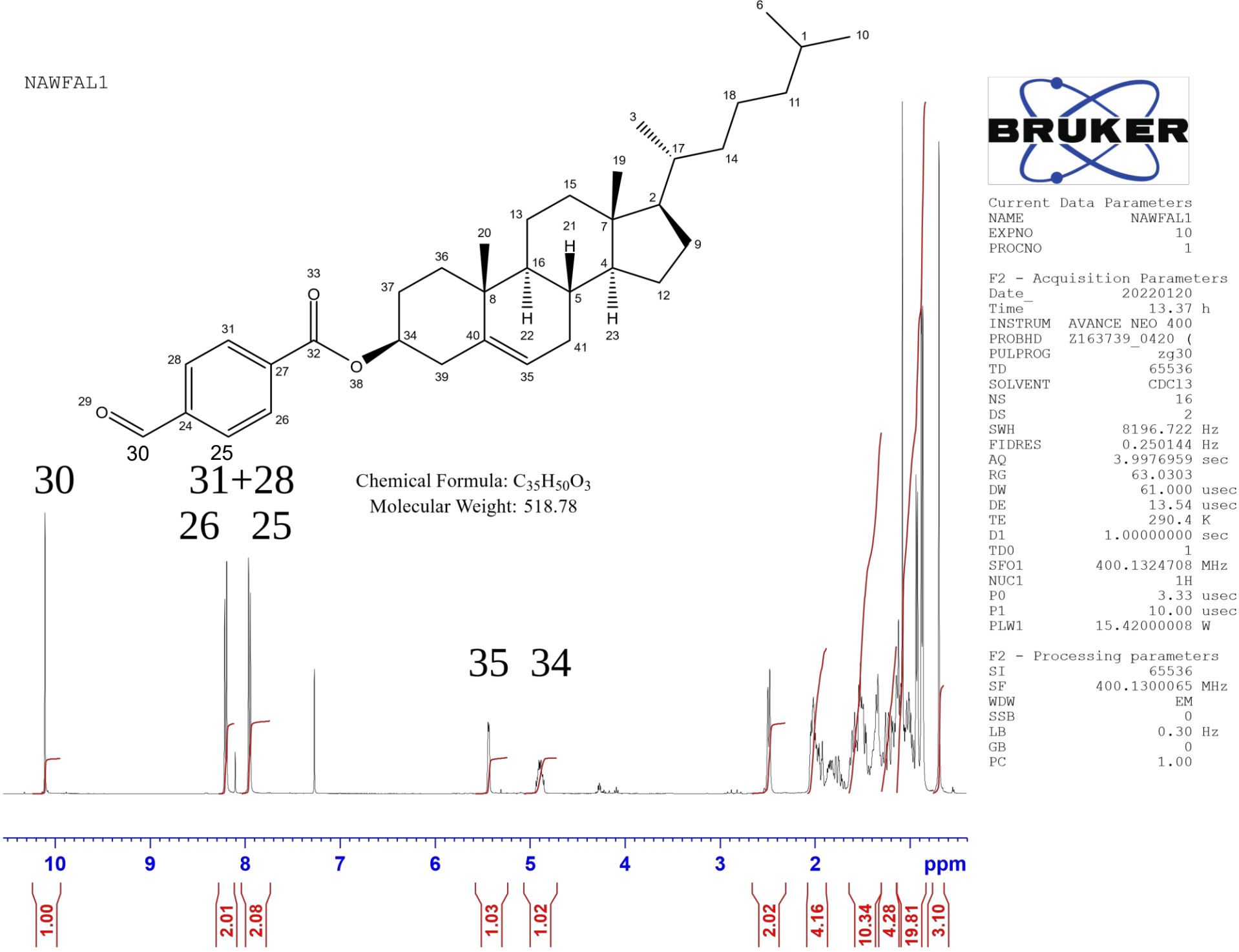
Figure 2: a2 compound H NMR document



Current Data Parameters
NAME NAWFAL1
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
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Time 13.37 h
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PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 8196.722 Hz
FIDRES 0.250144 Hz
AQ 3.9976959 sec
RG 63.0303
DW 61.000 usec
DE 13.54 usec
TE 290.4 K
D1 1.00000000 sec
TD0 1
SFO1 400.1324708 MHz
NUC1 1H
P0 3.33 usec
P1 10.00 usec
PLW1 15.42000008 W

F2 - Processing parameters
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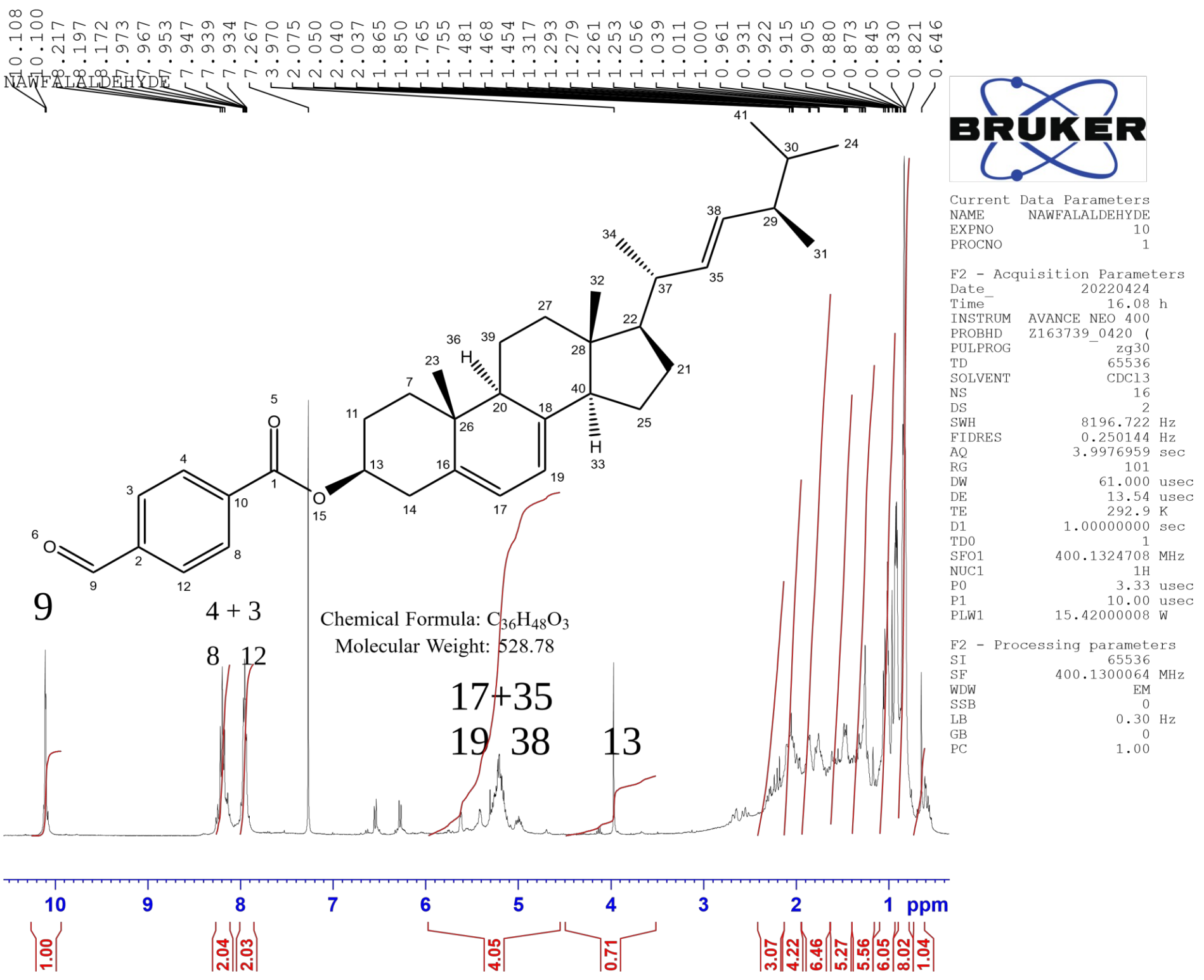
SF 400.1300065 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

*Figure 3: Compound **1** H NMR document*



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EXPNO 10
PROCNO 1

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PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 8196.722 Hz
FIDRES 0.250144 Hz
AQ 3.9976959 sec
RG 101
DW 61.000 usec
DE 13.54 usec
TE 292.9 K
D1 1.00000000 sec
TD0 1
SFO1 400.1324708 MHz
NUC1 1H
P0 3.33 usec
P1 10.00 usec
PLW1 15.42000008 W

F2 - Processing parameters
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WDW EM
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LB 0.30 Hz
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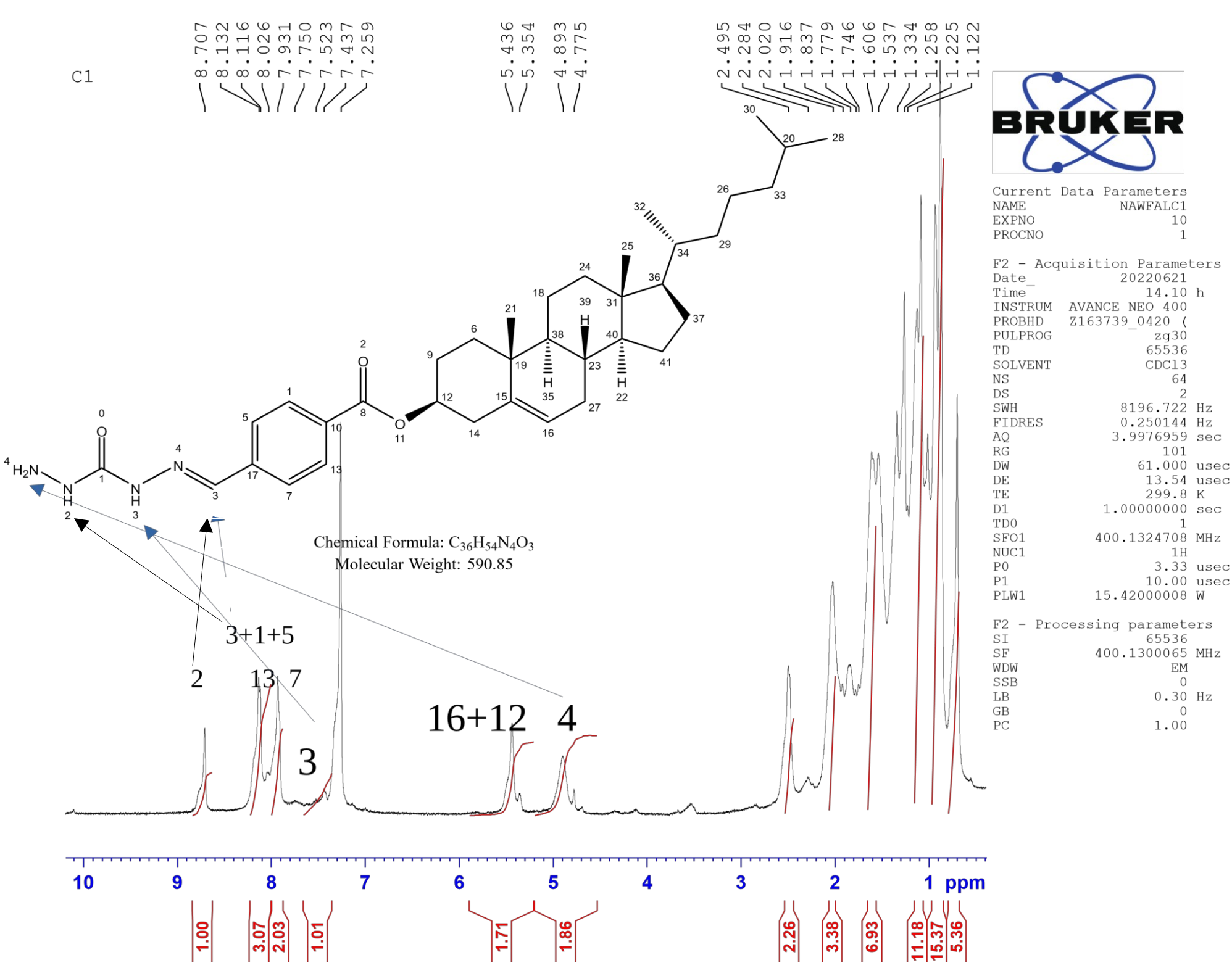
*Figure 4: Compound **2** H NMR document*



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EXPNO 10
PROCNO 1

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PULPROG zg30
TD 65536
SOLVENT CDC13
NS 64
DS 2
SWH 8196.722 Hz
FIDRES 0.250144 Hz
AQ 3.9976959 sec
RG 101
DW 61.000 usec
DE 13.54 usec
TE 299.8 K
D1 1.00000000 sec
TD0 1
SFO1 400.1324708 MHz
NUC1 1H
P0 3.33 usec
P1 10.00 usec
PLW1 15.42000008 W

F2 - Processing parameters
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SF 400.1300065 MHz
WDW EM
SSB 0
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PC 1.00

Figure 5: c1 H NMR document

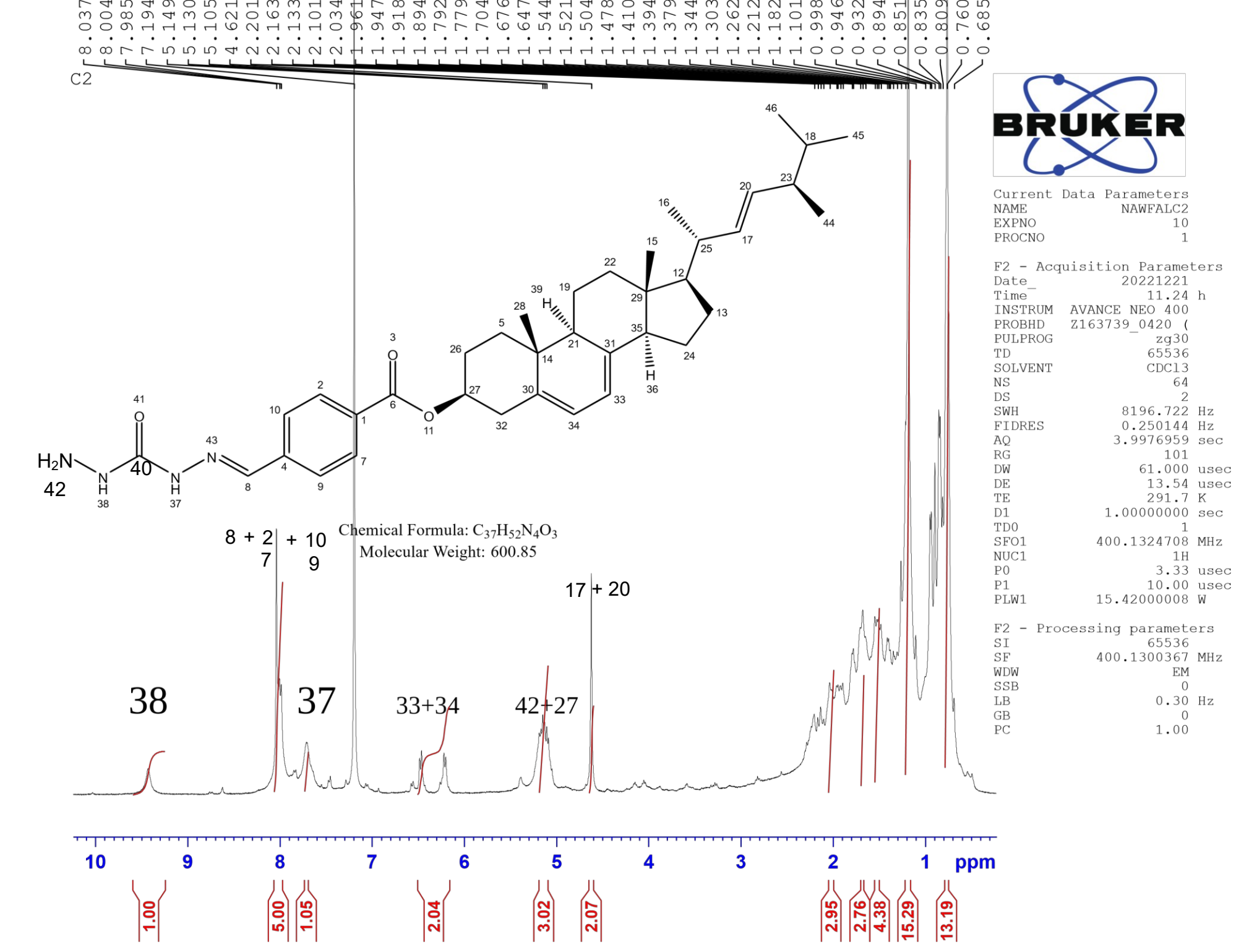
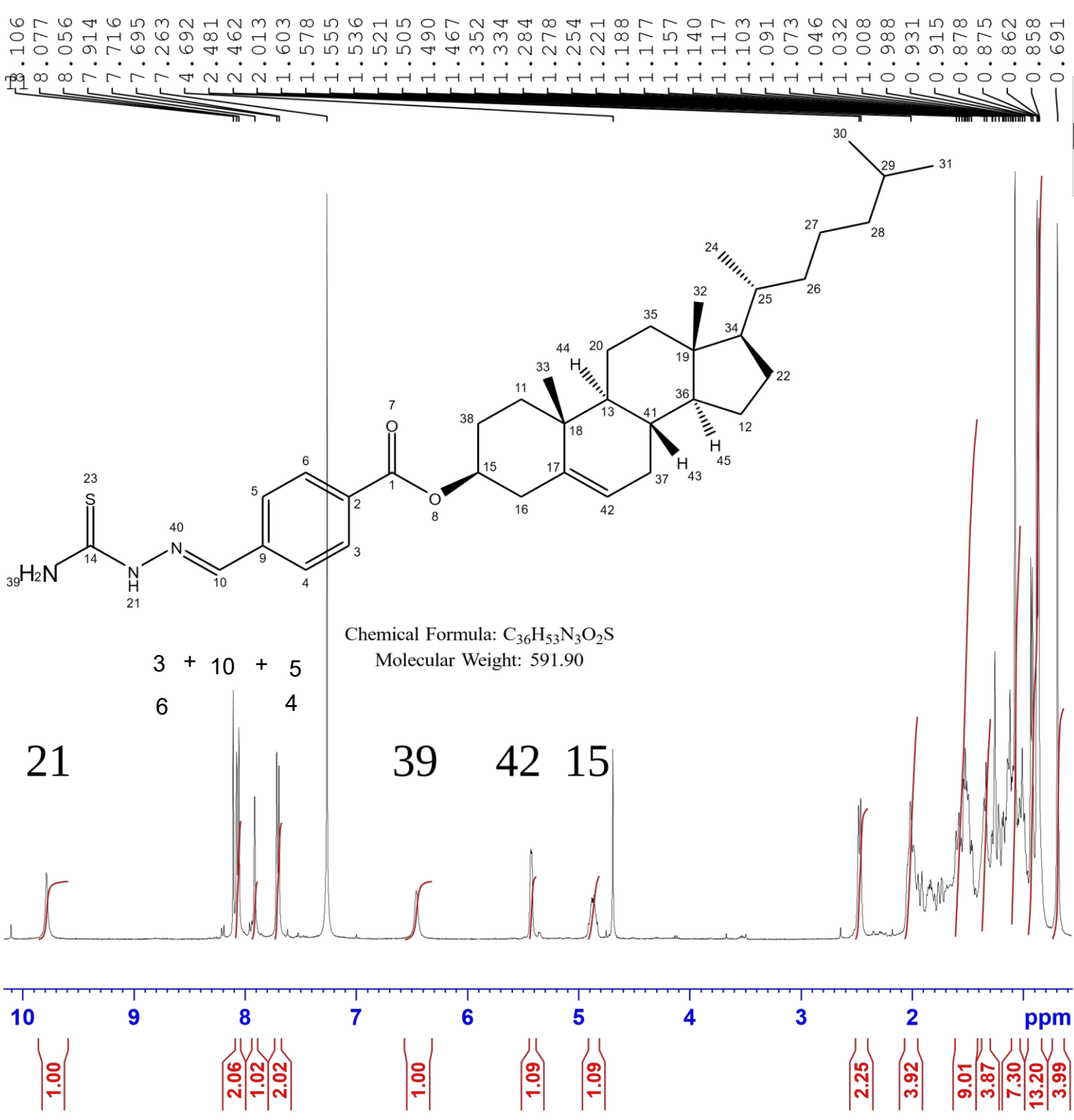


Figure 6: c2 H NMR document



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EXPNO 10
PROCNO 1

F2 - Acquisition Parameters
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PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 8196.722 Hz
FIDRES 0.250144 Hz
AQ 3.9976959 sec
RG 101
DW 61.000 usec
DE 13.54 usec
TE 295.1 K
D1 1.00000000 sec
TD0 1
SFO1 400.1324708 MHz
NUC1 1H
P0 3.33 usec
P1 10.00 usec
PLW1 15.42000008 W

F2 - Processing parameters
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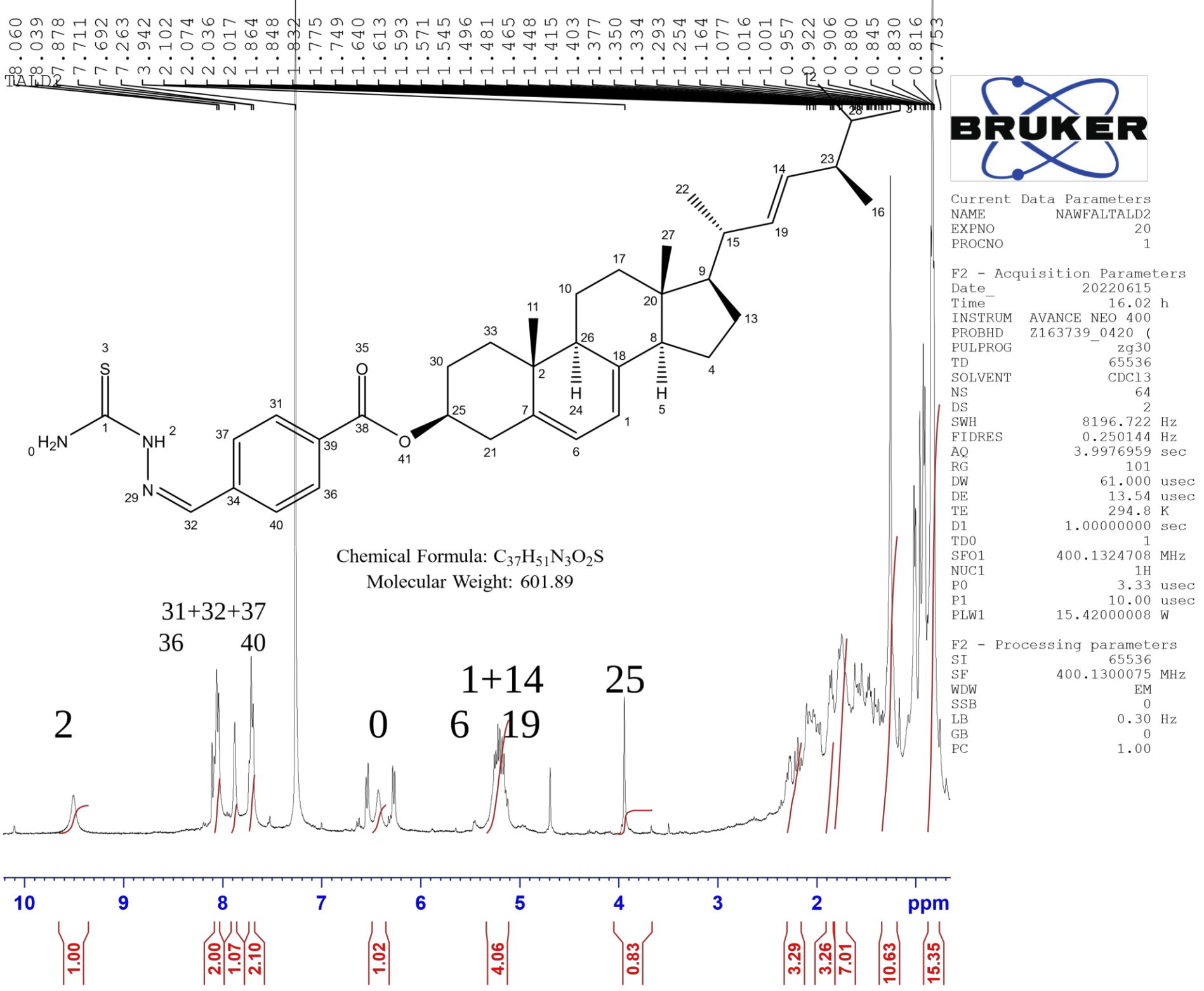
Figure 7: t1 H NMR document



BRUKER

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Current Data Parameters
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PROCNO                  1

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PULPROG              zg30
TD                  65536
SOLVENT             CDCl3
NS                     64
DS                      2
SWH              8196.722 Hz
FIDRES           0.250144 Hz
AQ               3.9976959 sec
RG                    101
DW                 61.000 usec
DE                 13.54 usec
TE                 294.8 K
D1              1.00000000 sec
TD0                     1
SFO1          400.1324708 MHz
NUC1                   1H
P0                 3.33 usec
P1                 10.00 usec
PLW1          15.42000008 W

F2 - Processing parameters
SI                  65536
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WDW                    EM
SSB                     0
LB                 0.30 Hz
GB                      0
PC                   1.00
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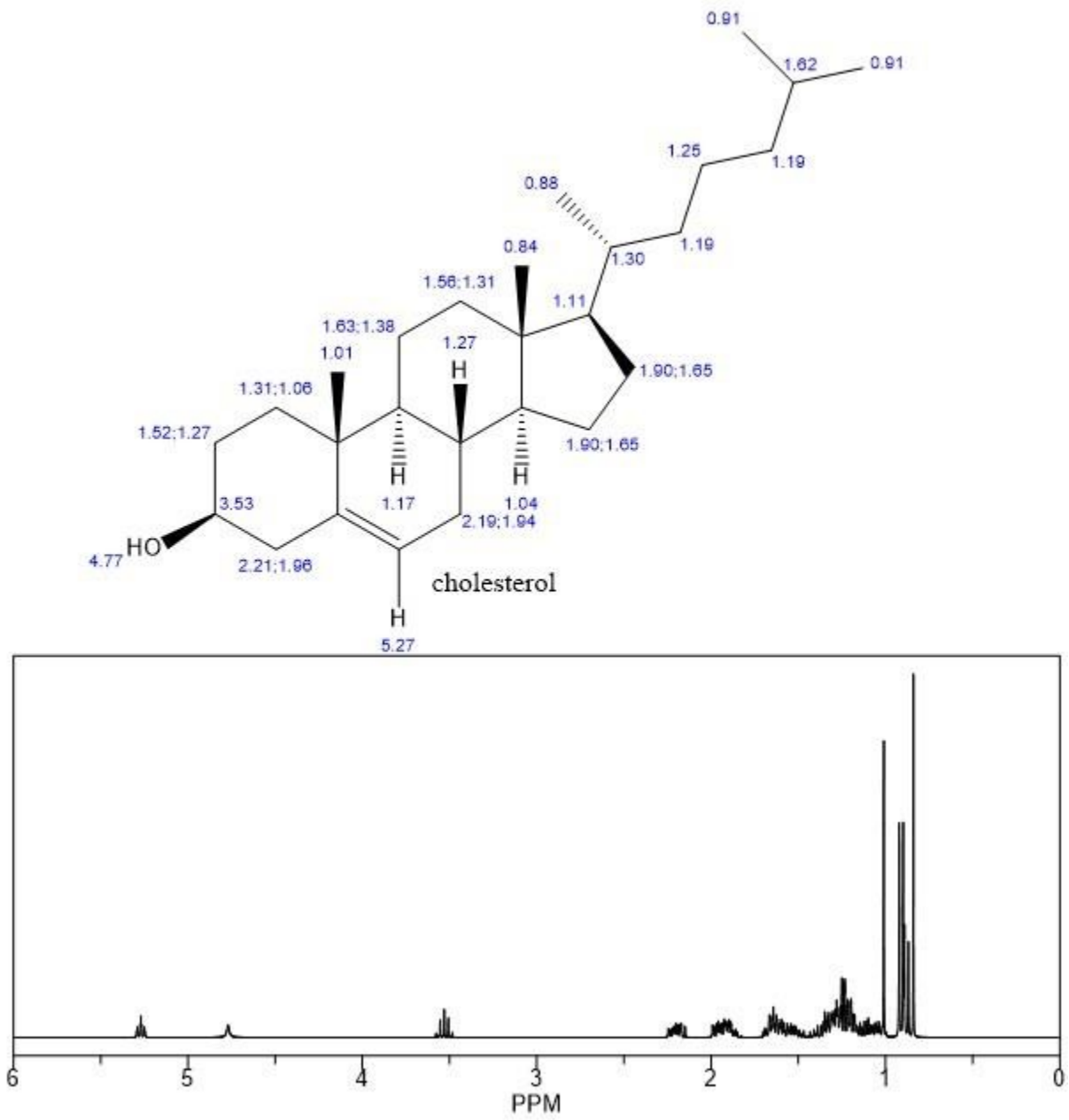
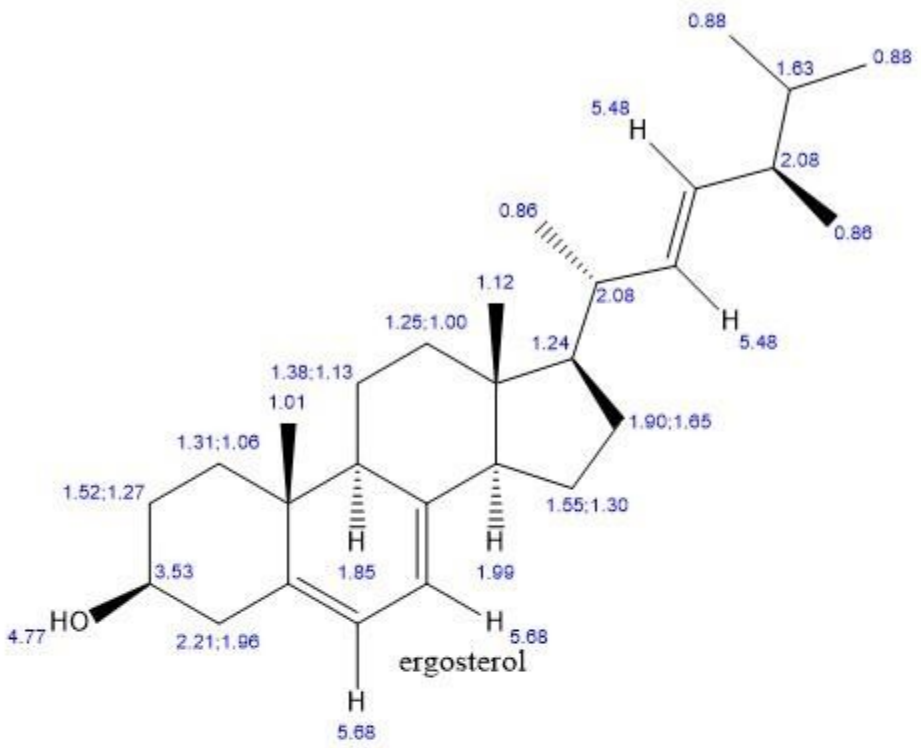
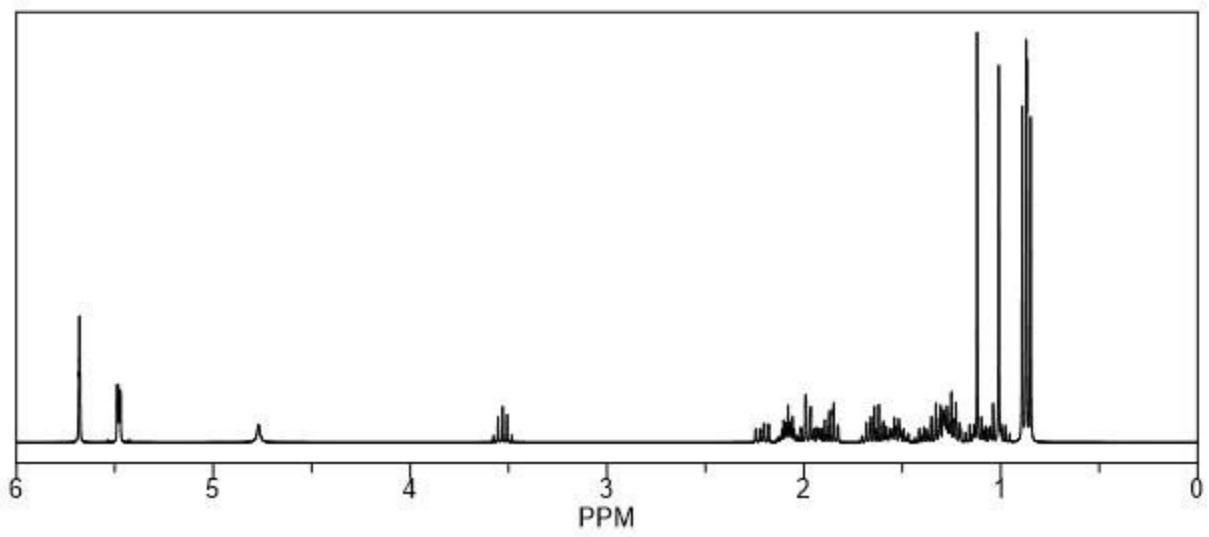
Figure 8: t2 ^{1}H NMR document



Estimated ^{1}H NMR for cholesterol



Chemical Formula: $C_{28}H_{44}O$
Molecular Weight: 396.66



Estimated ^{1}H NMR for ergosterol

IR documents

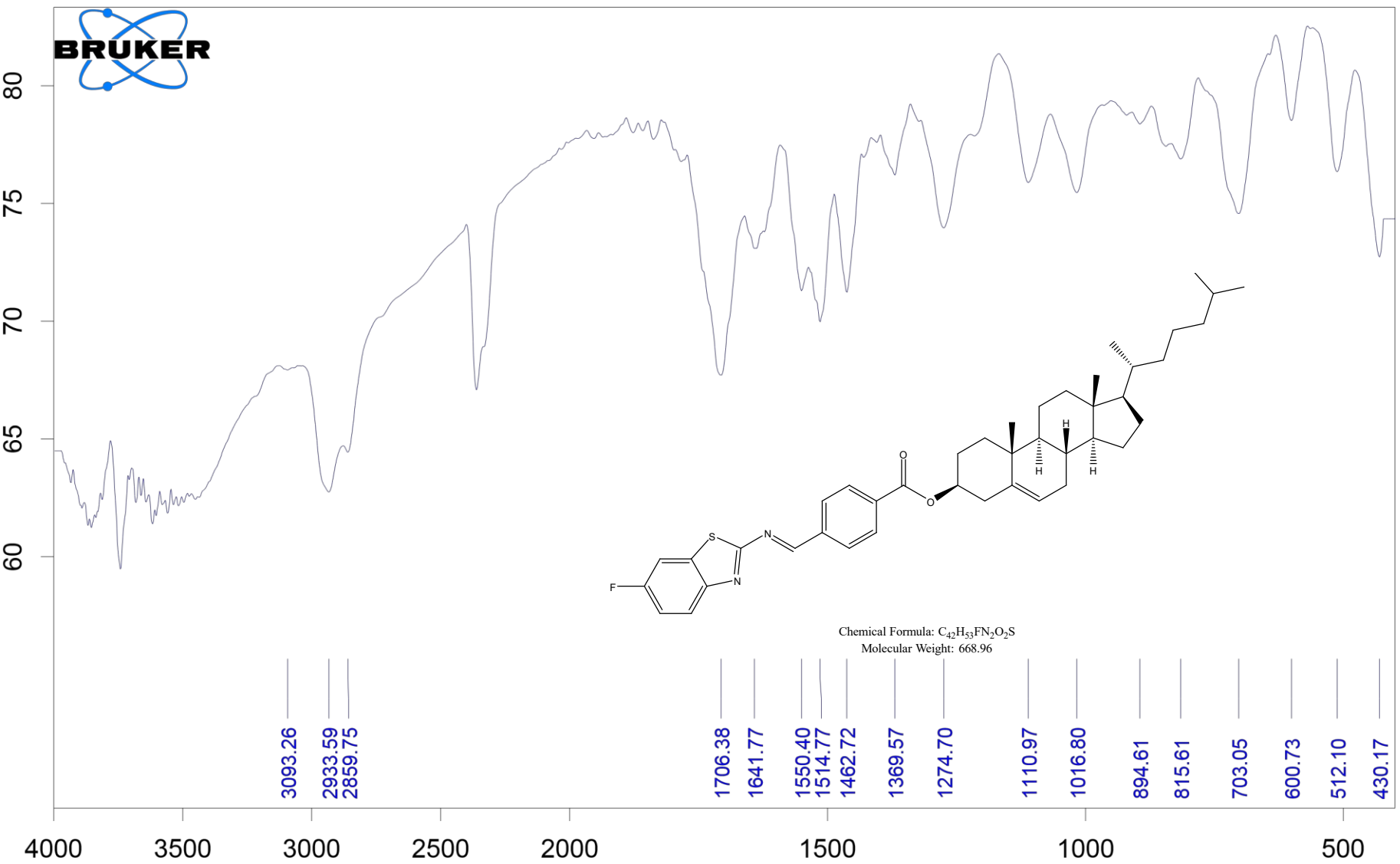


Figure 9: a1 IR document

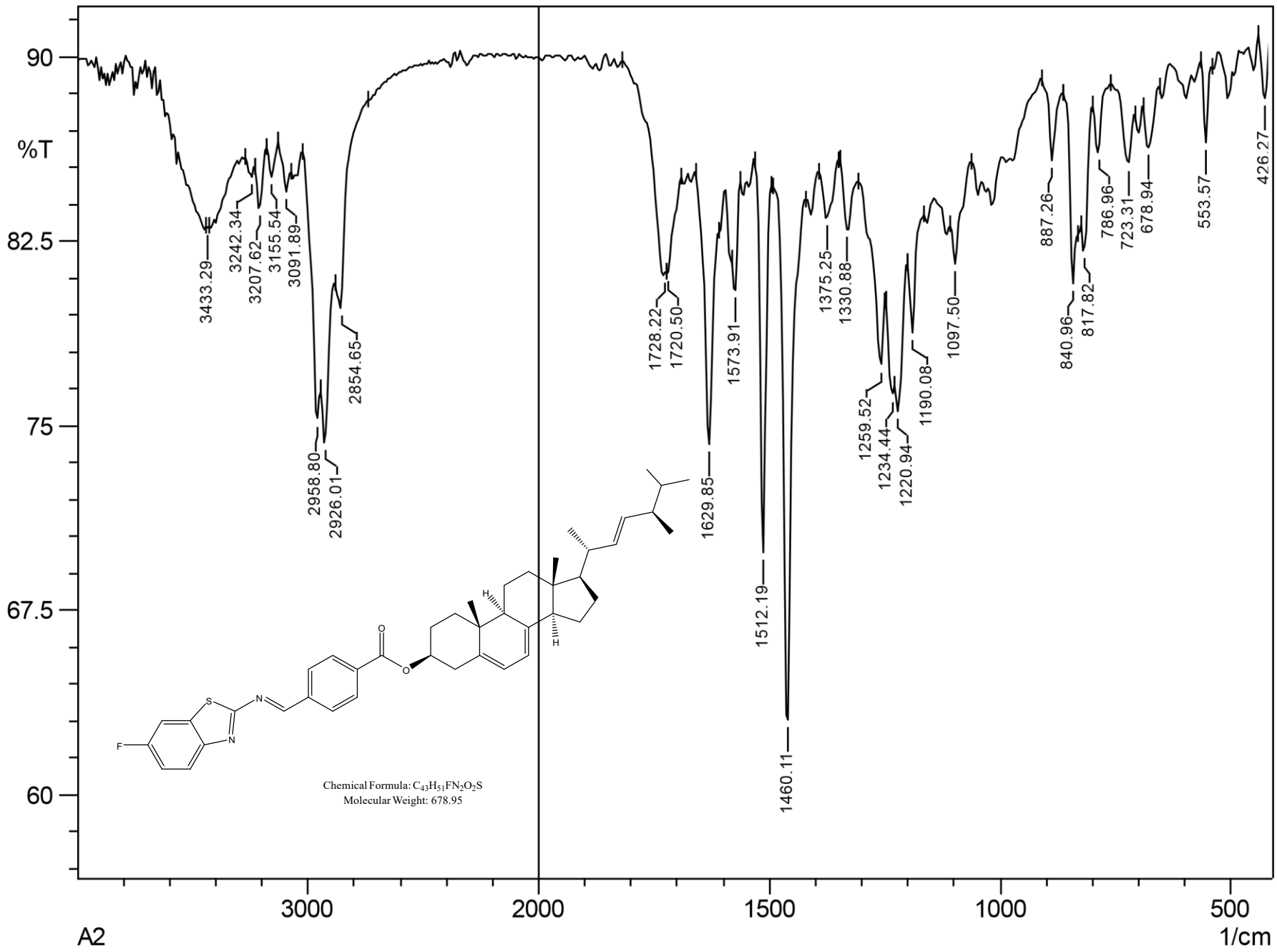


Figure 10: a2 IR document

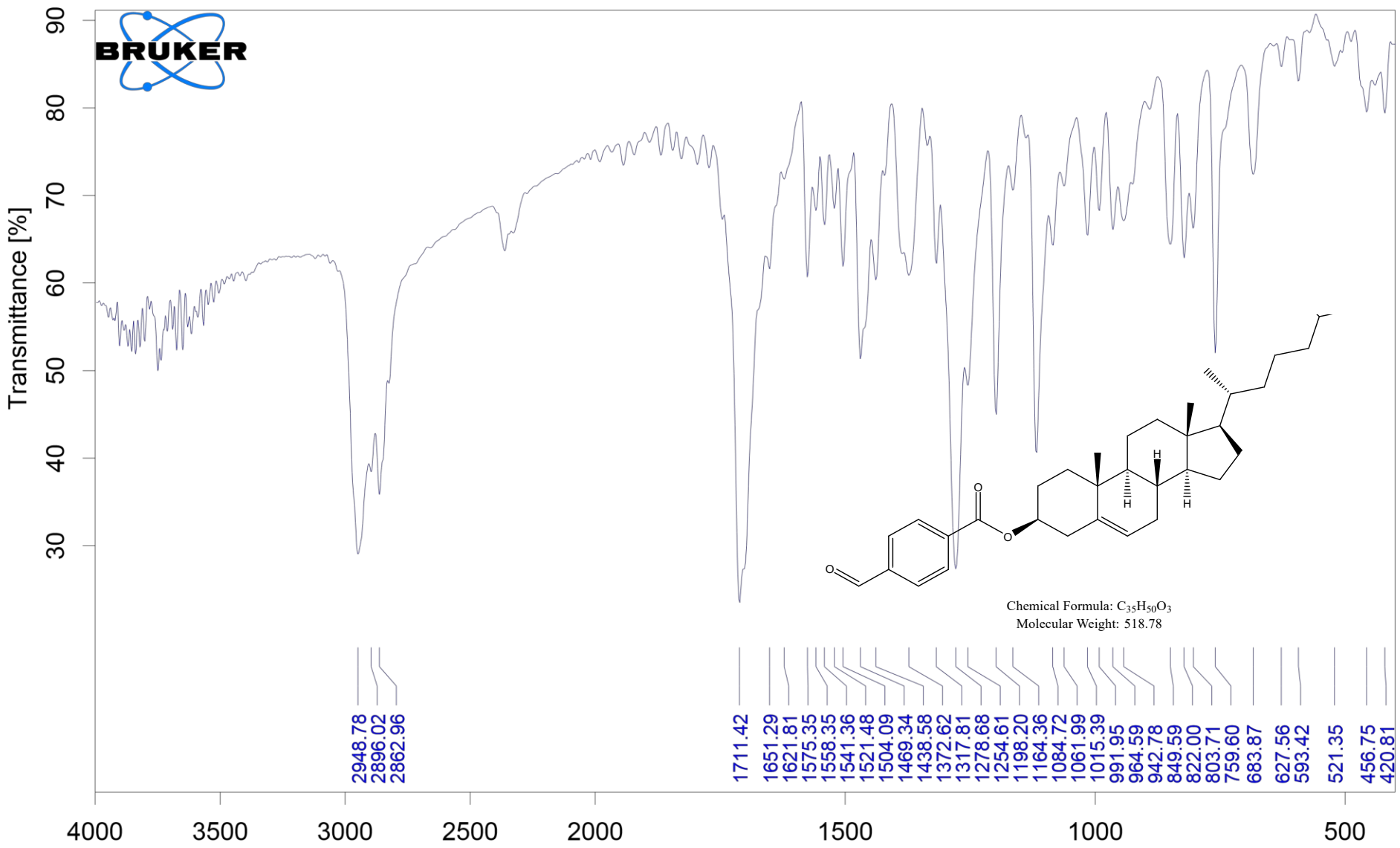


*Figure 11: Compound **1** IR document*

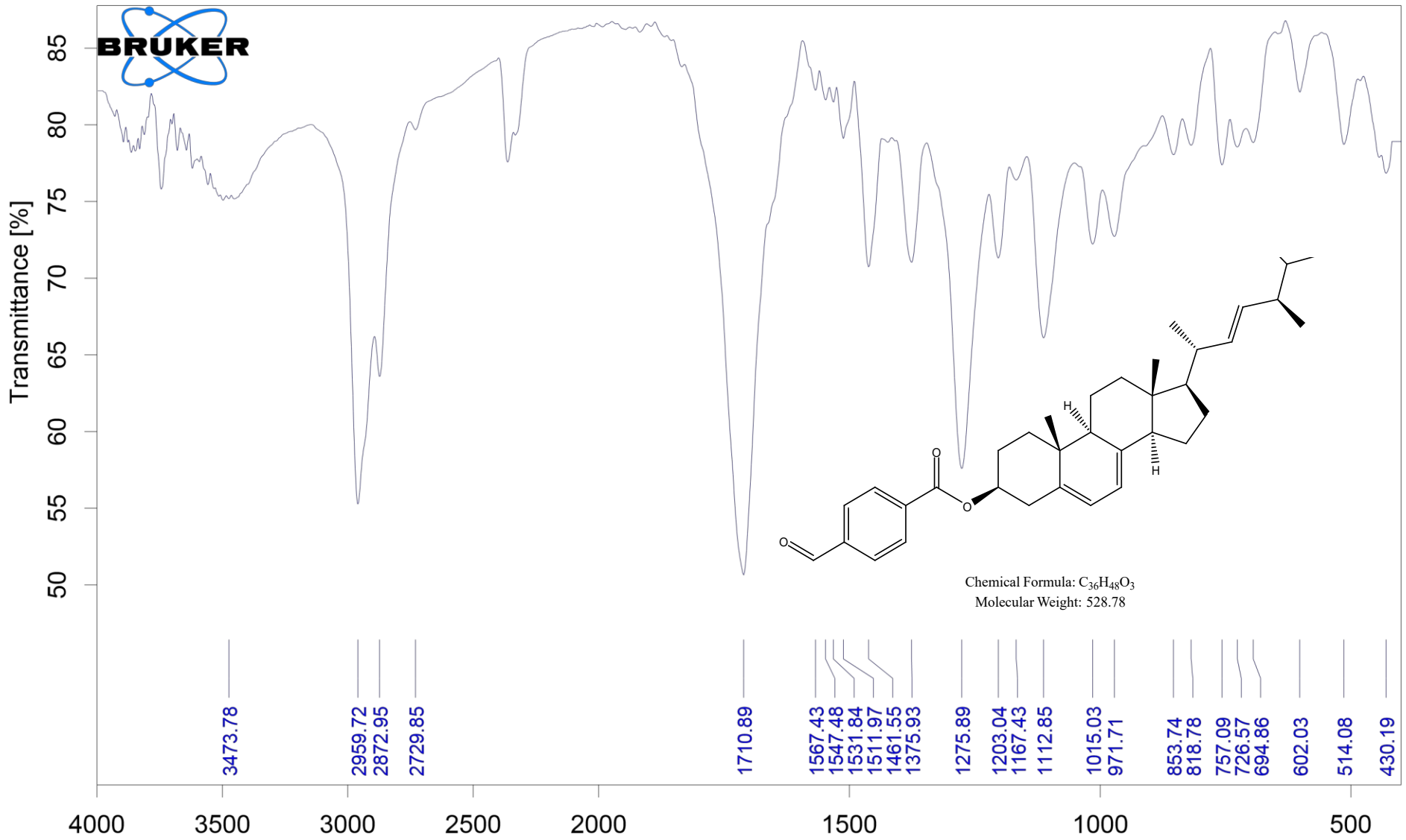


*Figure 12: Compound **2** IR document*

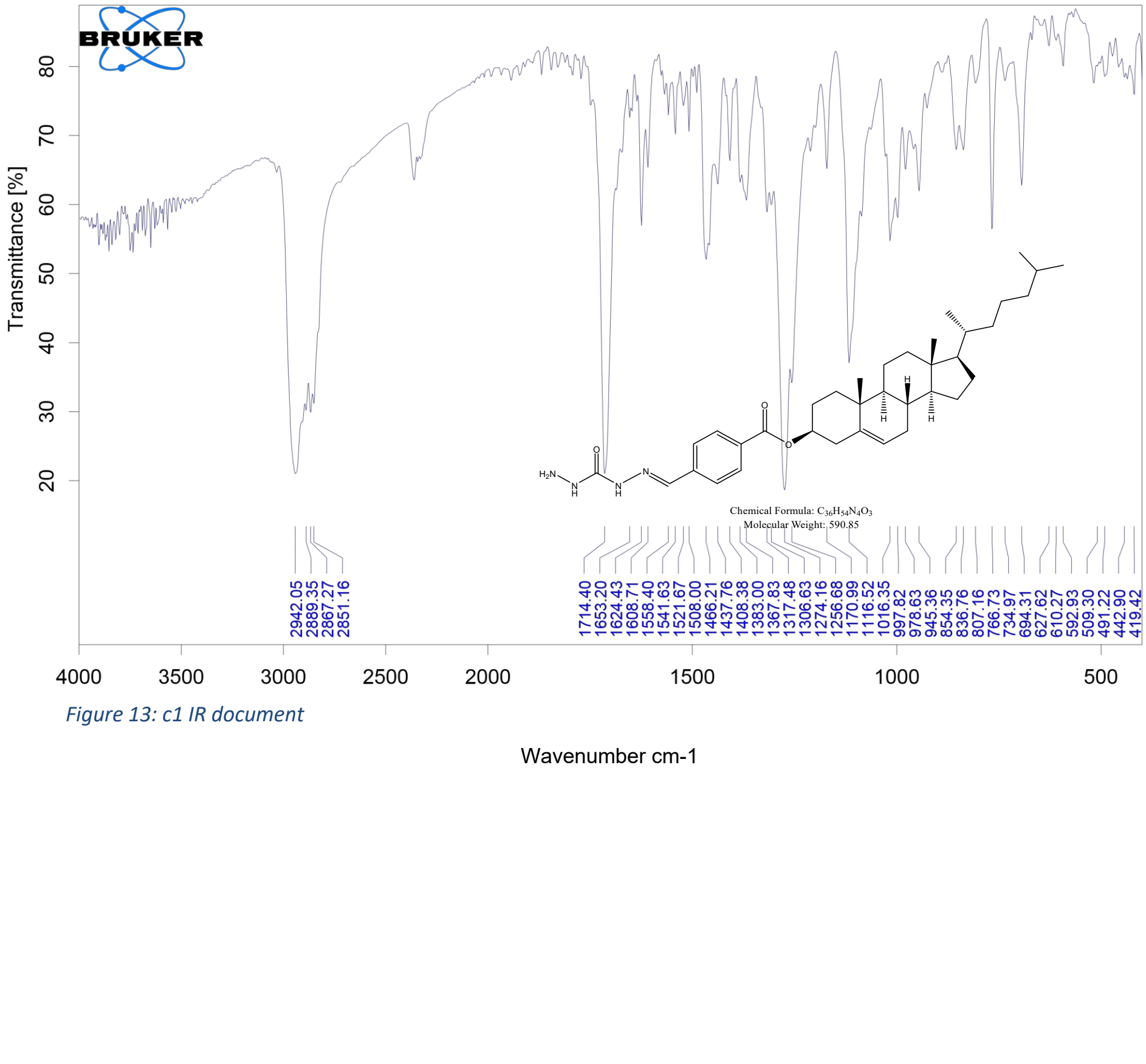


Figure 13: c1 IR document

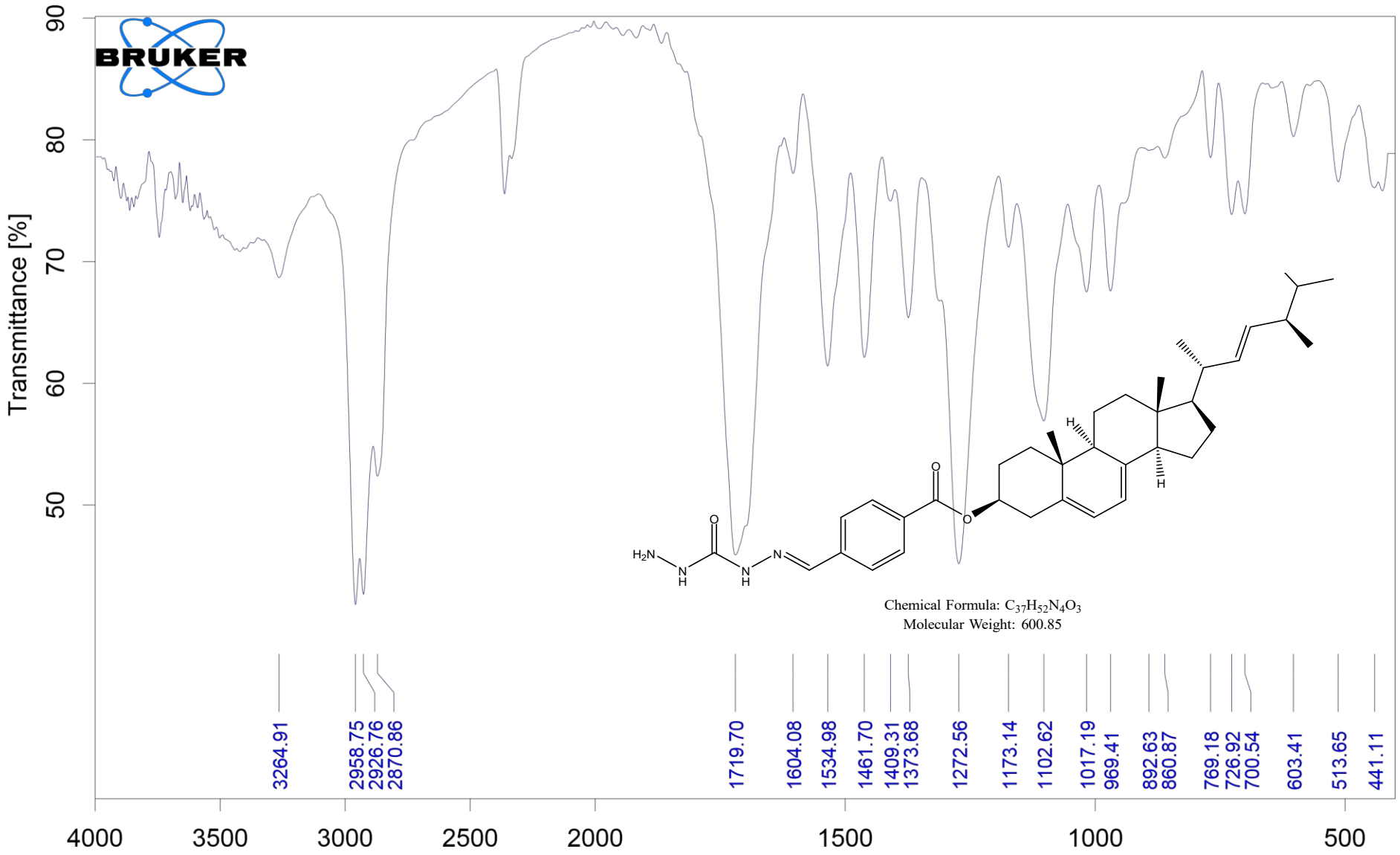


Figure 14: c2 IR document

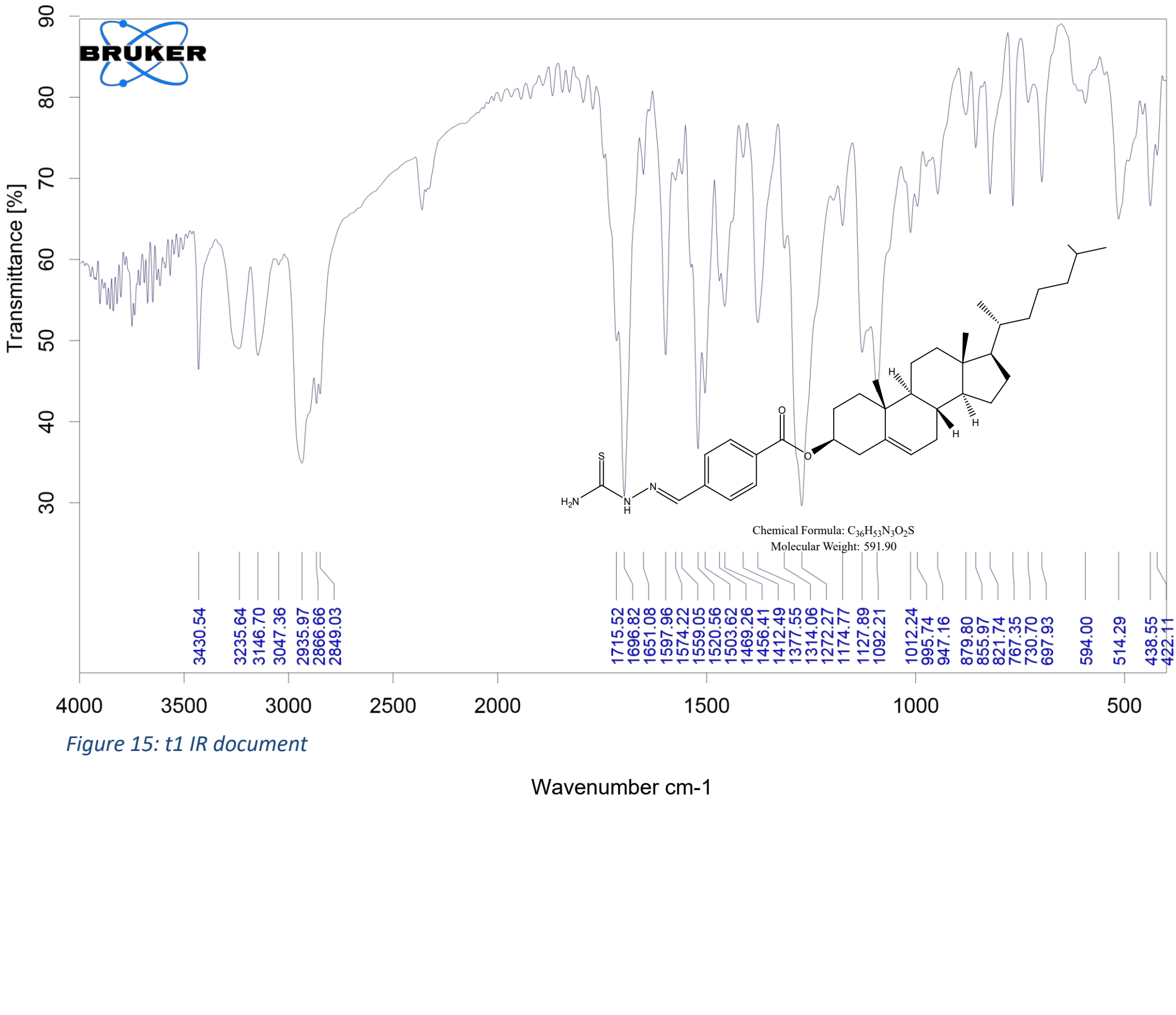


Figure 15: t1 IR document

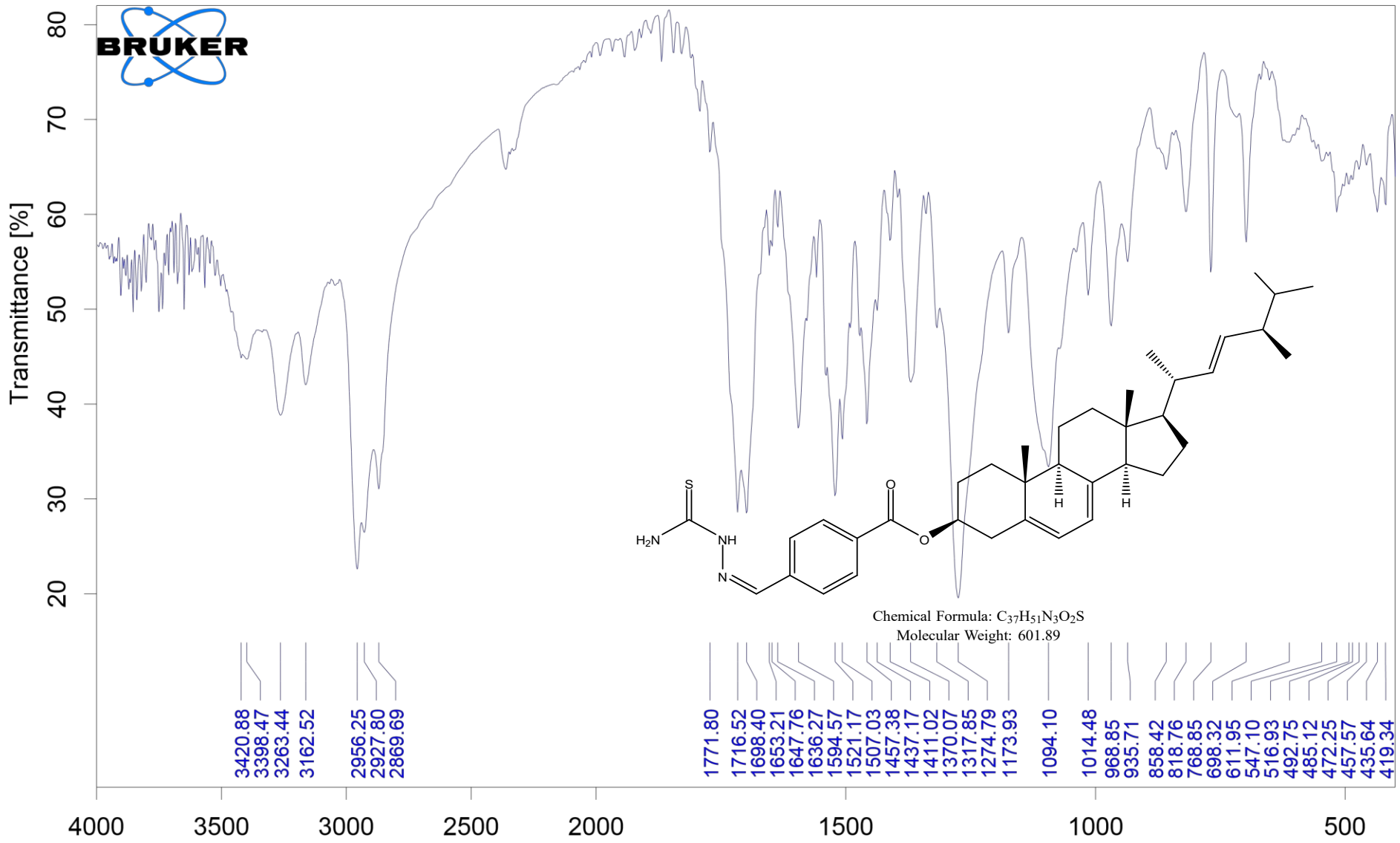


Figure 16: t2 IR document

GC mass documents

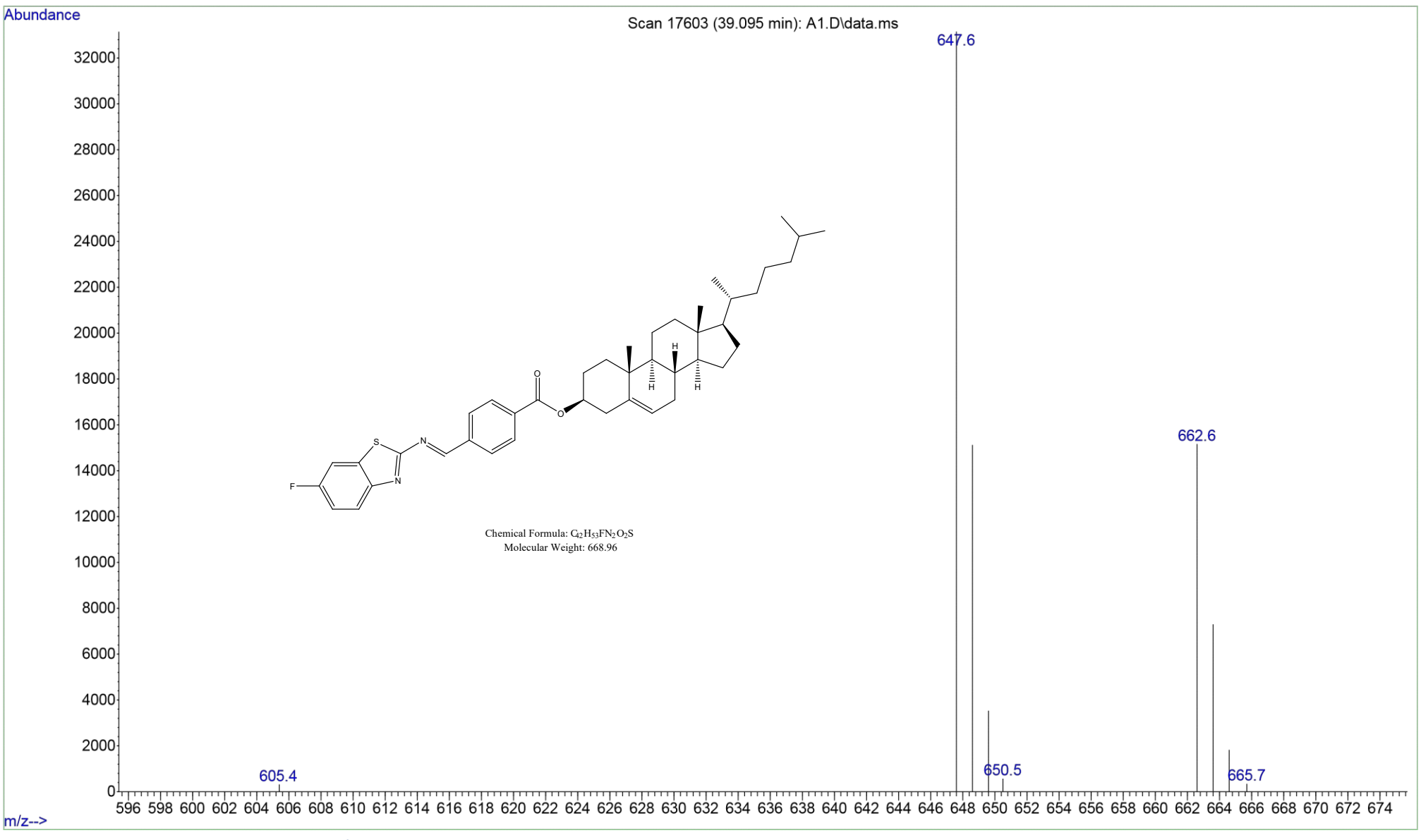


Figure 17: a1 GC mass document

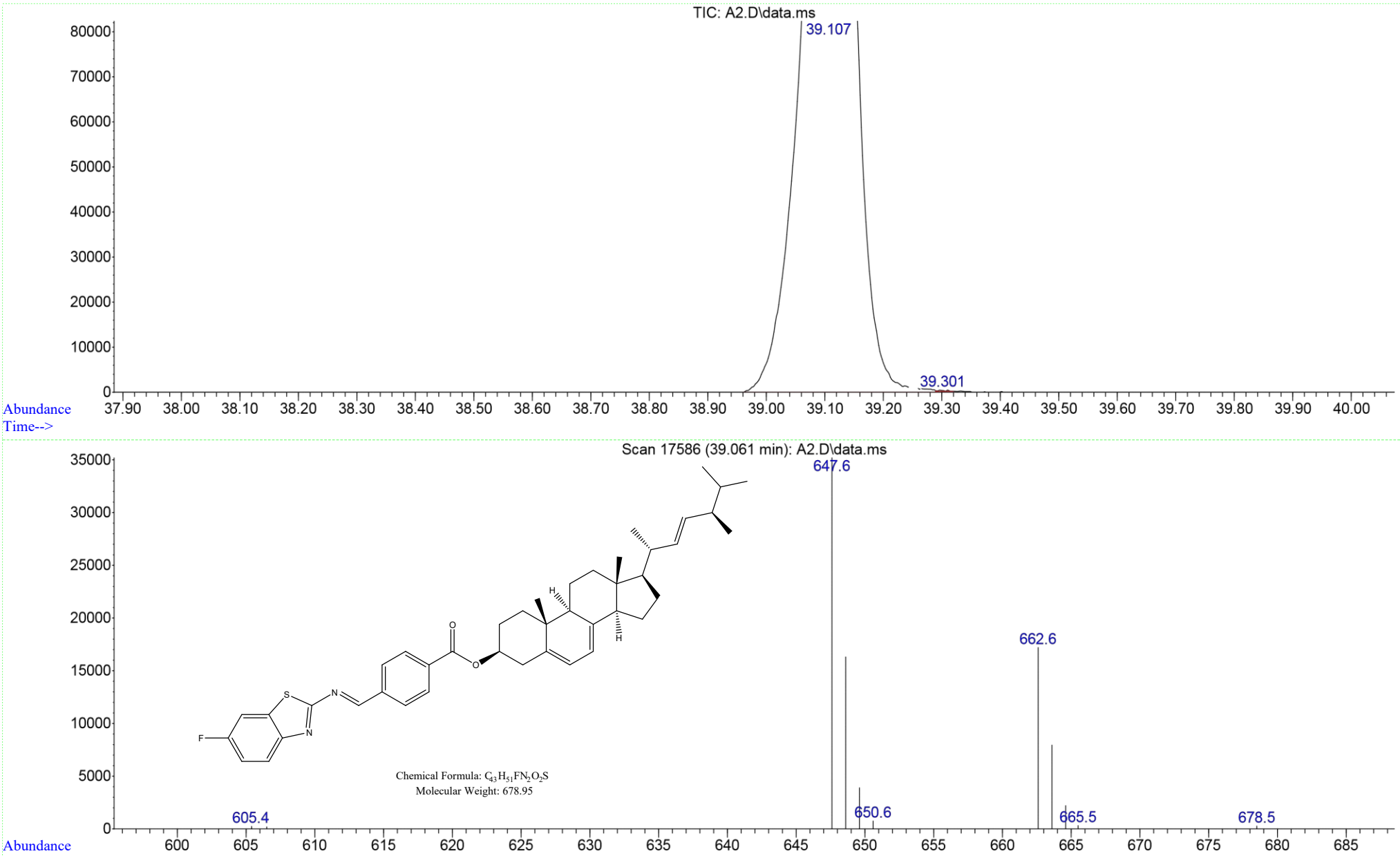


Figure 18: a2 GC mass document

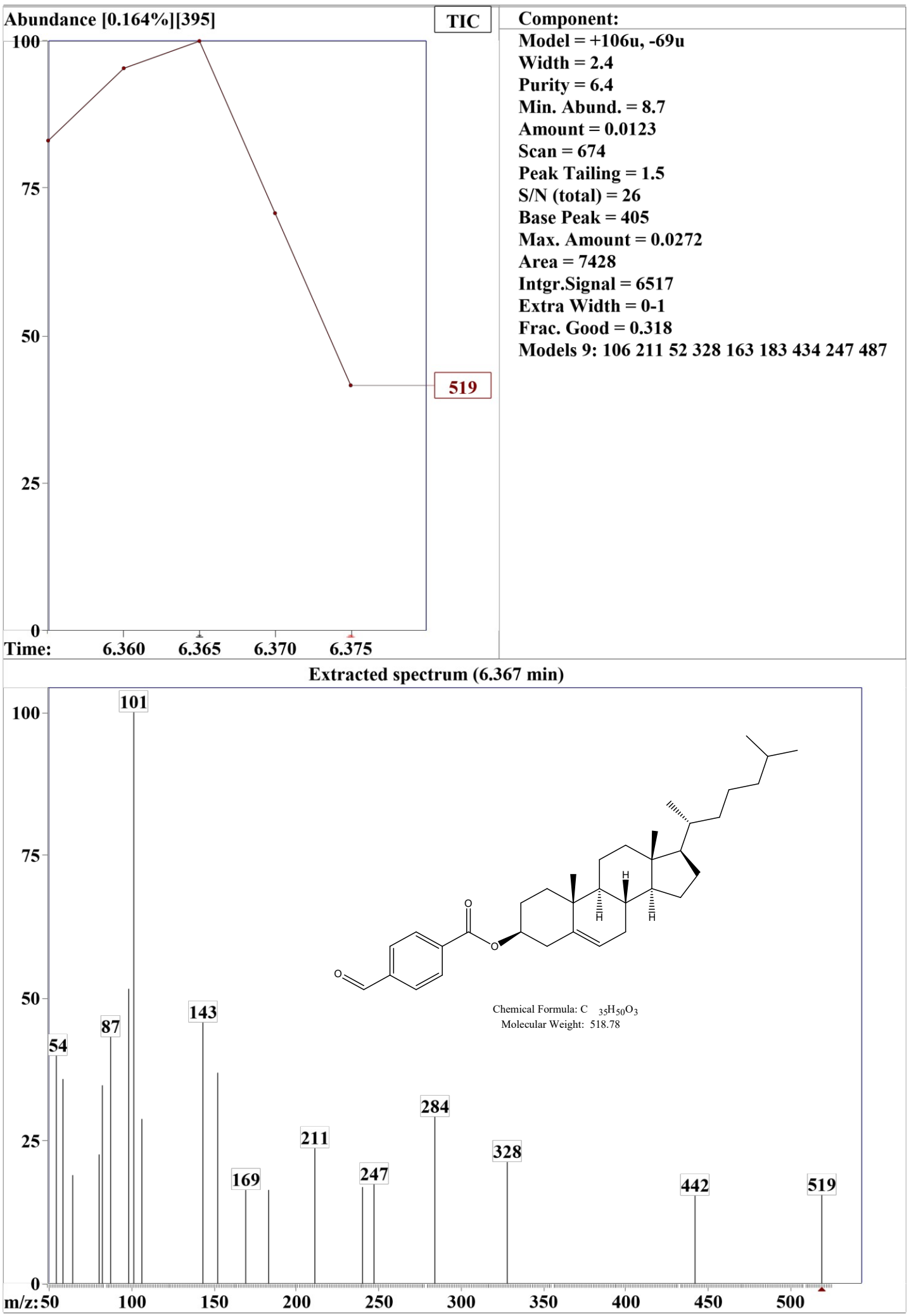


*Figure 19: Compound **1** GC mass document*

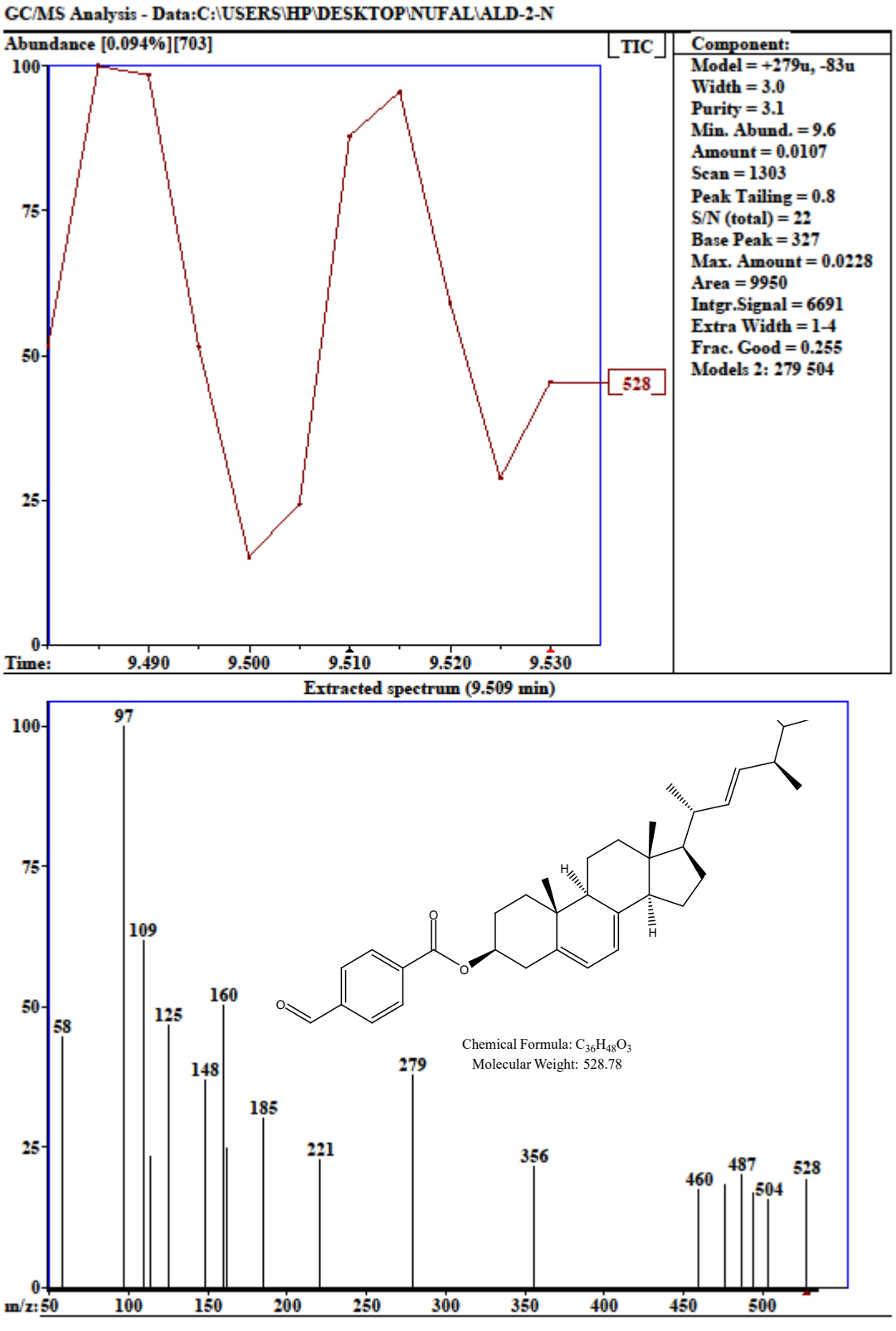


*Figure 20: Compound **2** GC mass document*

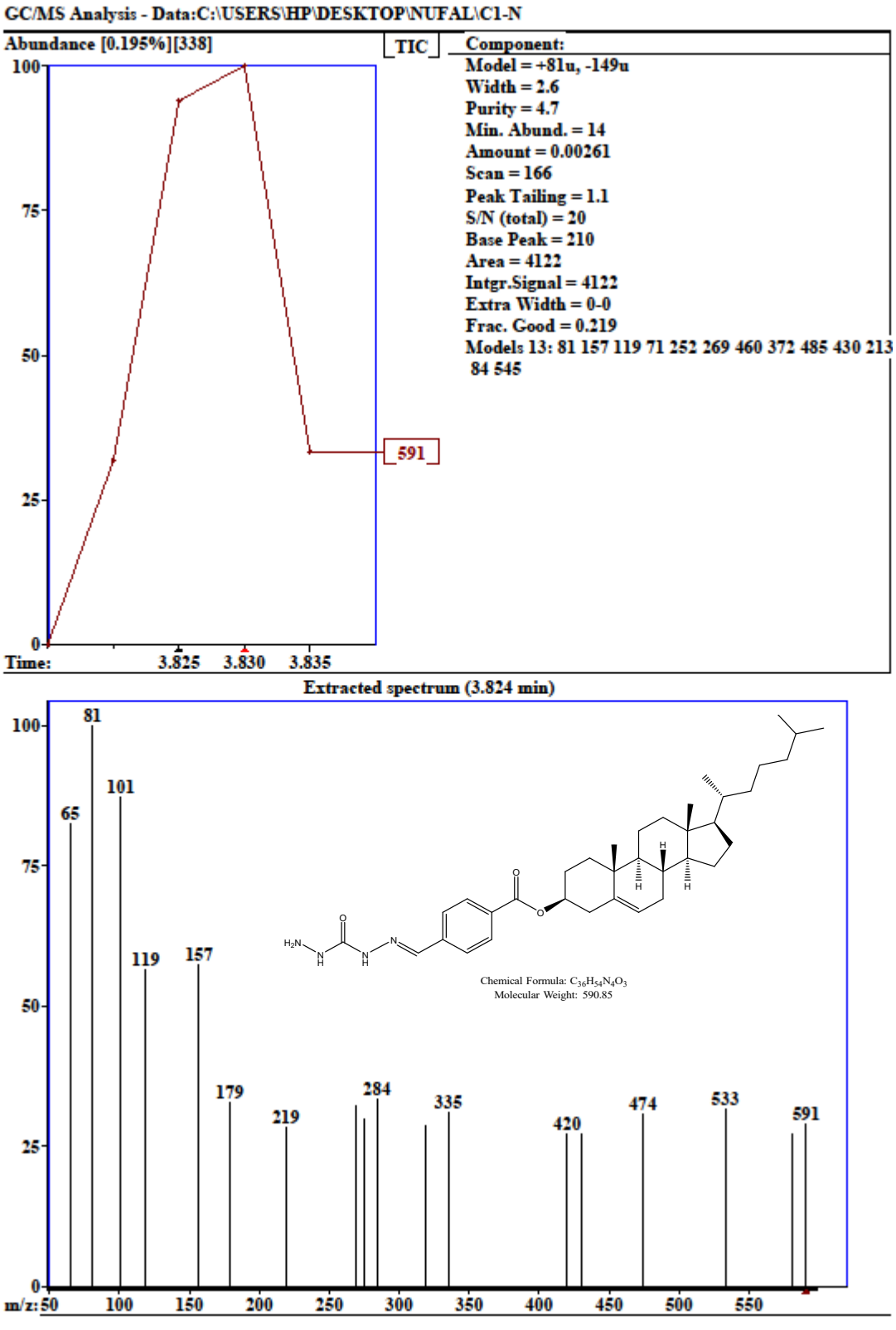


Figure 21: c1 GC mass document

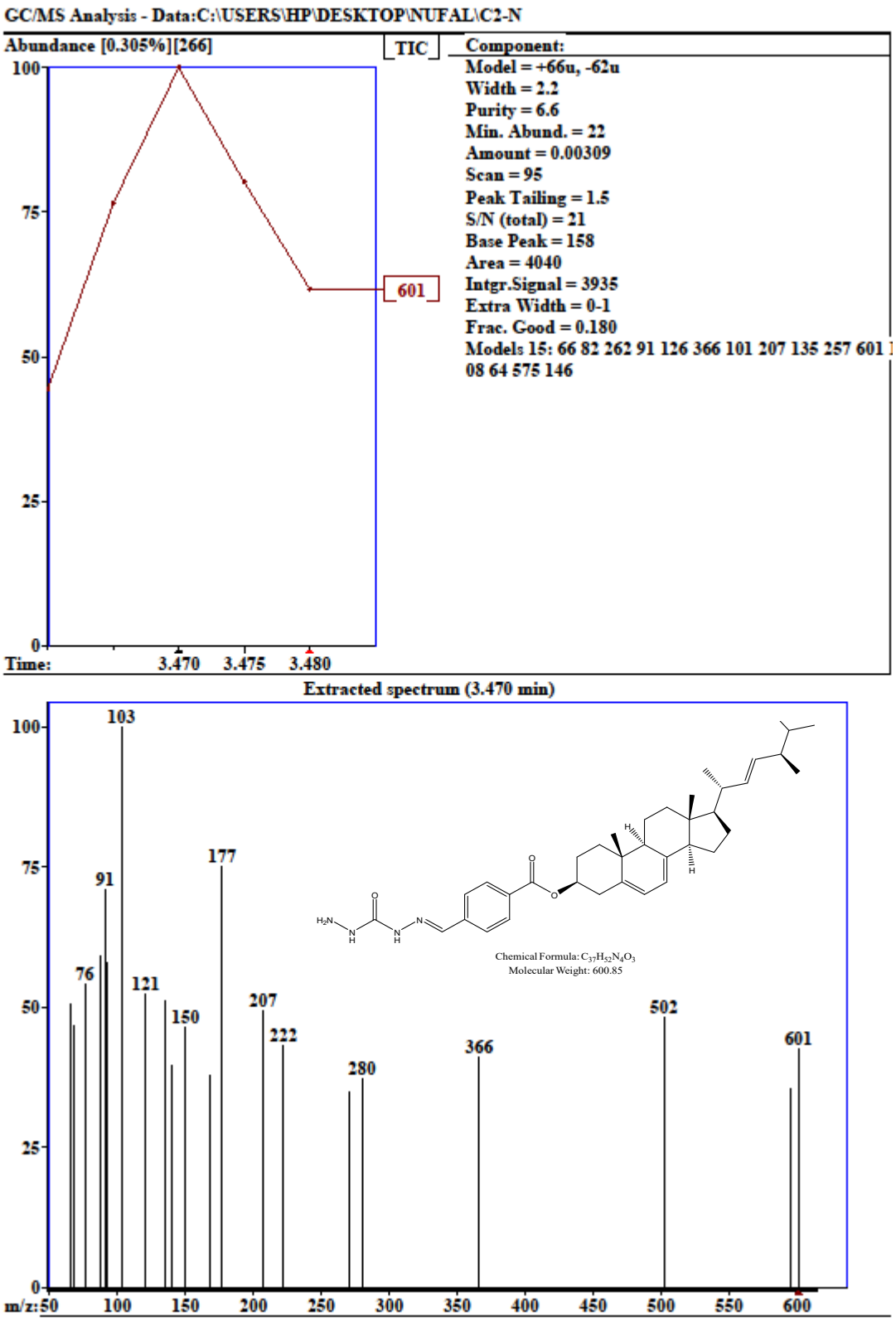


Figure 22: c2 GC mass document

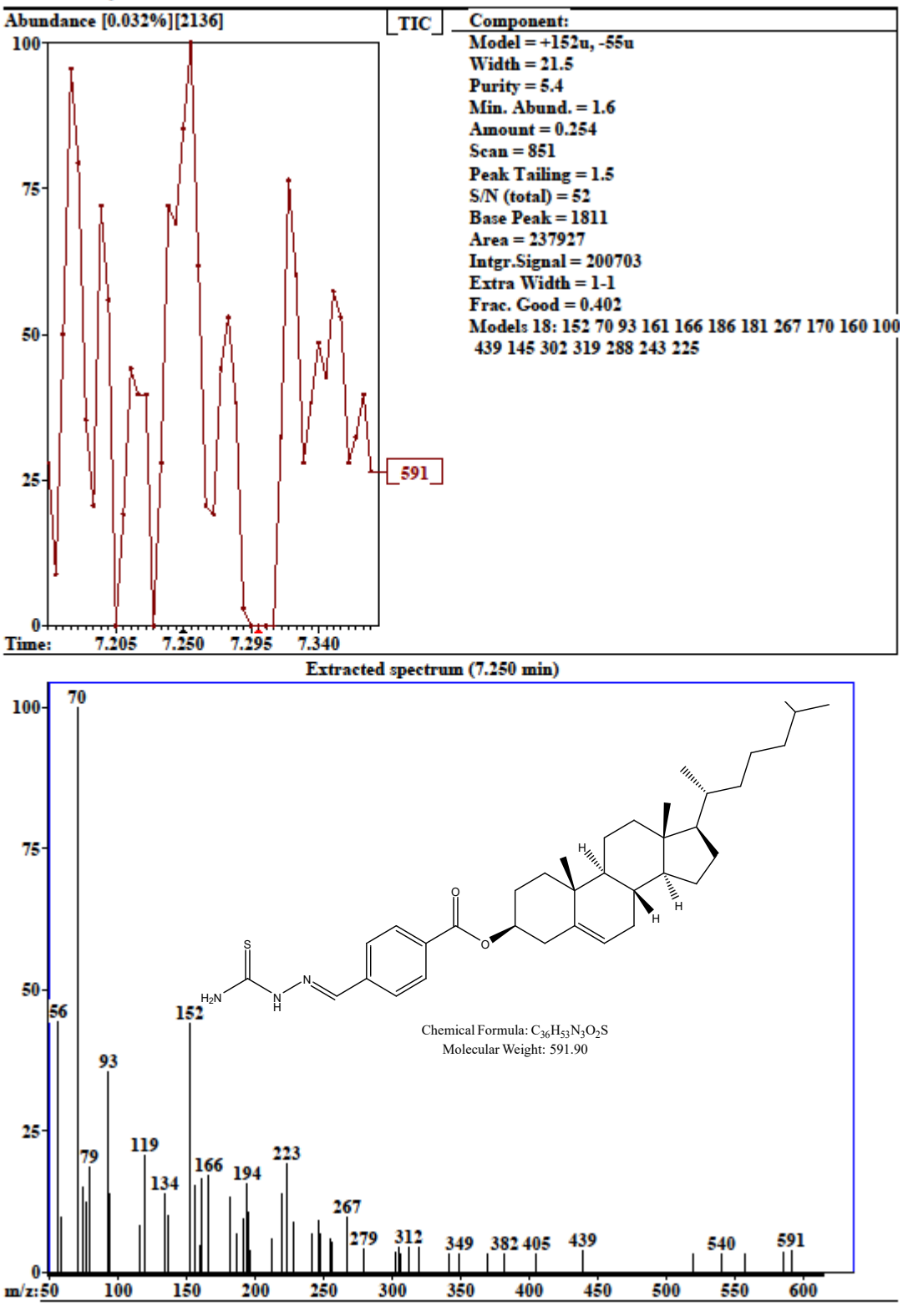


Figure 23: t1 GC mass document

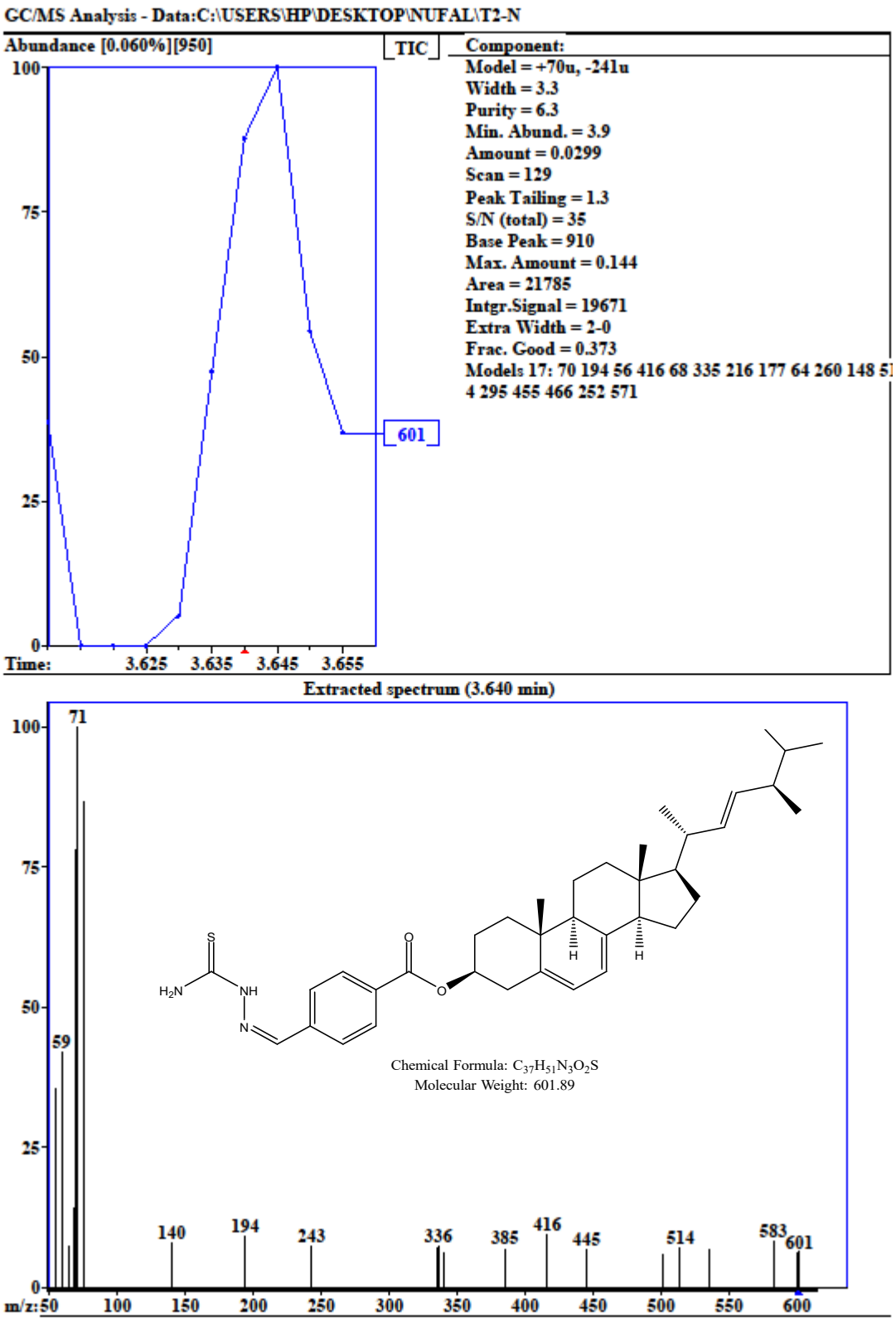


Figure 24: t2 GC mass document