Figure 1

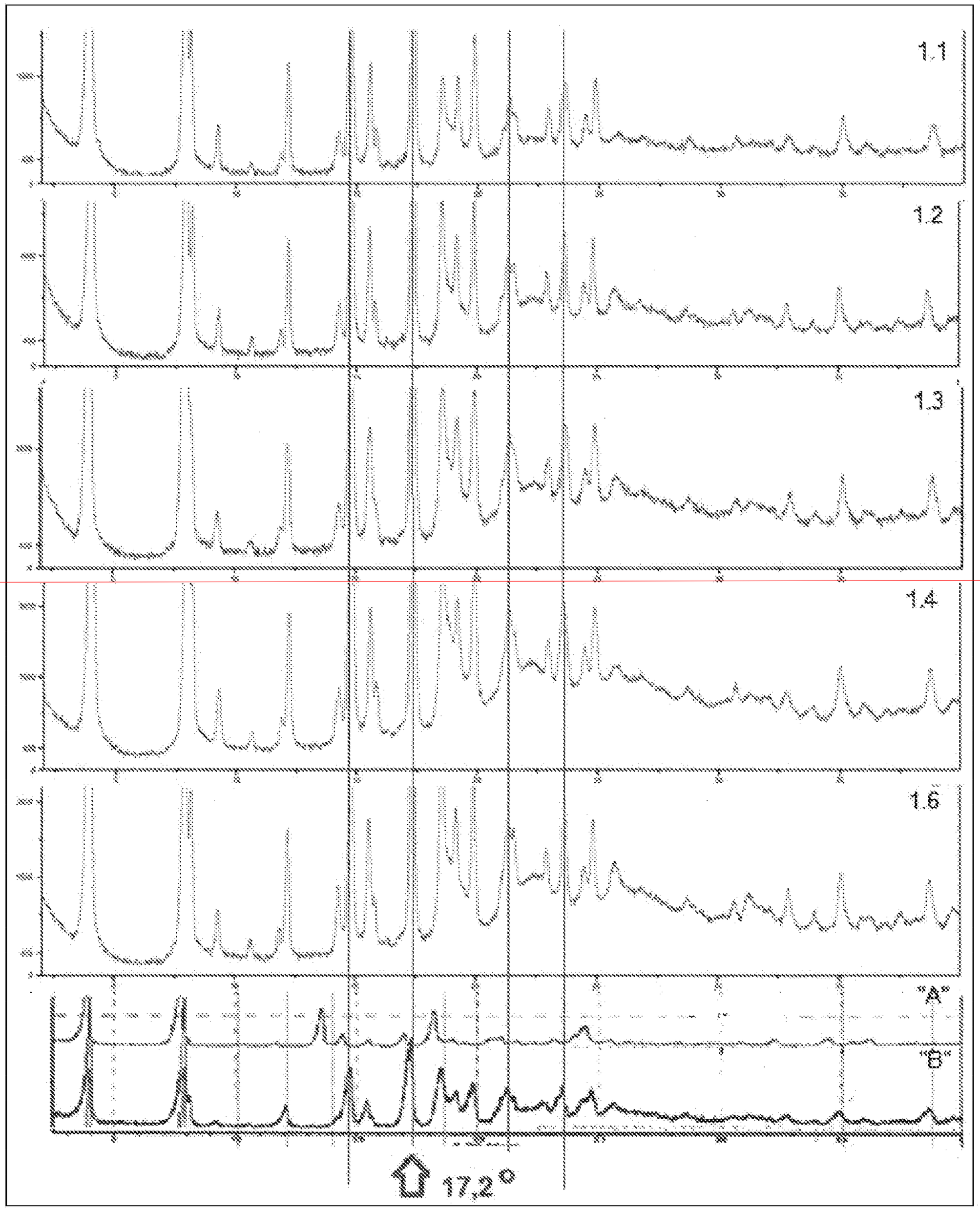


Figure 2

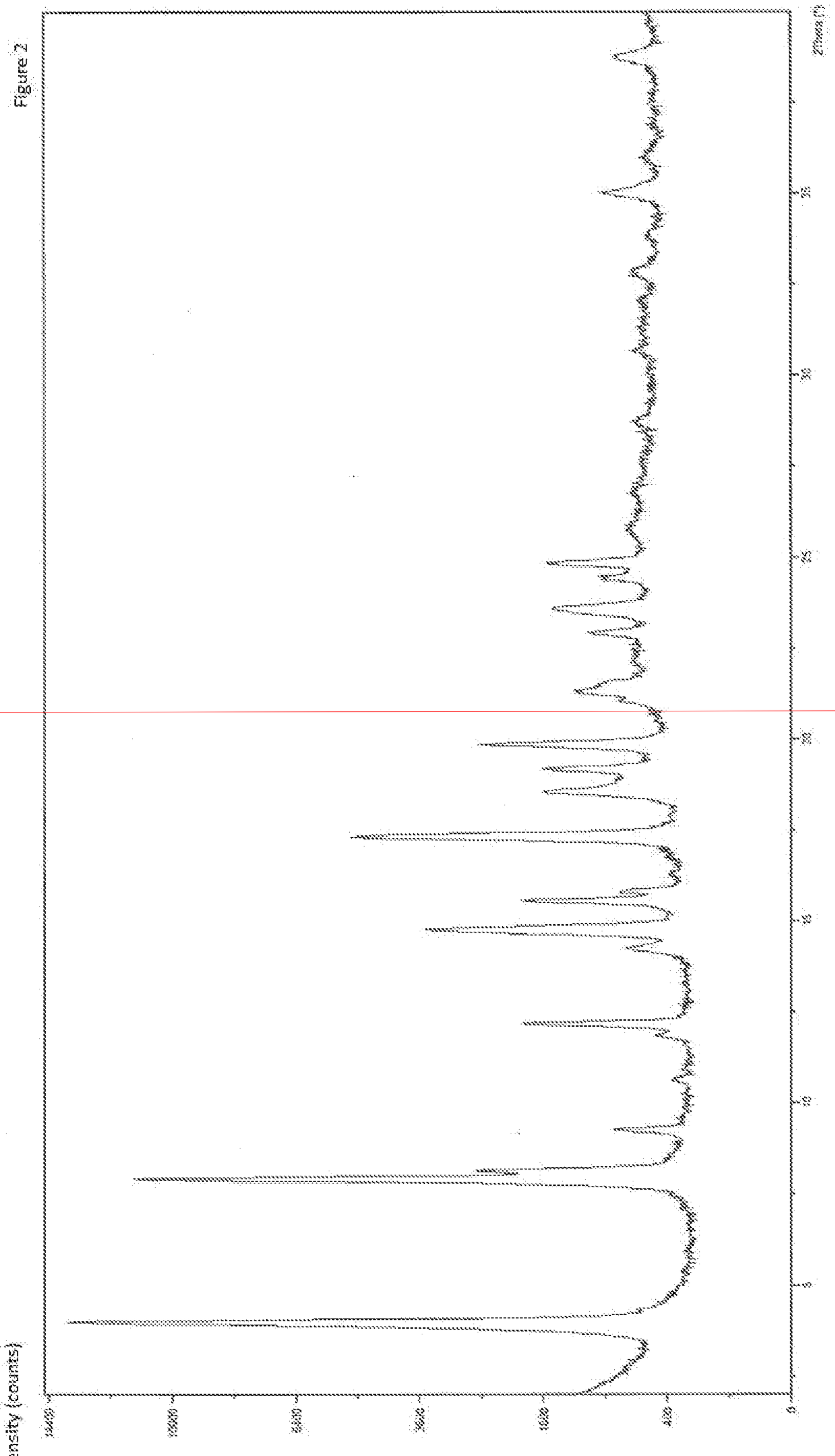
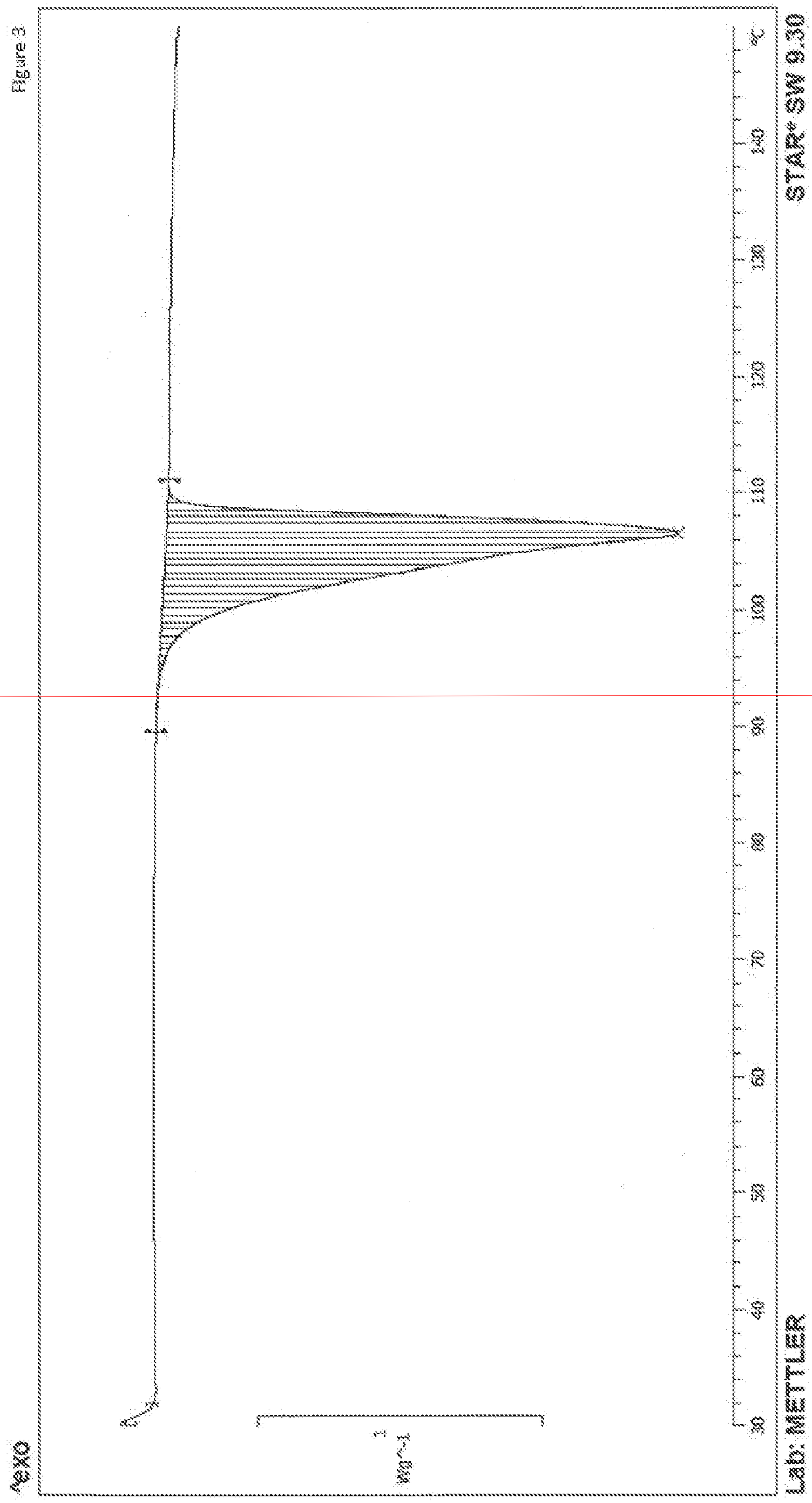
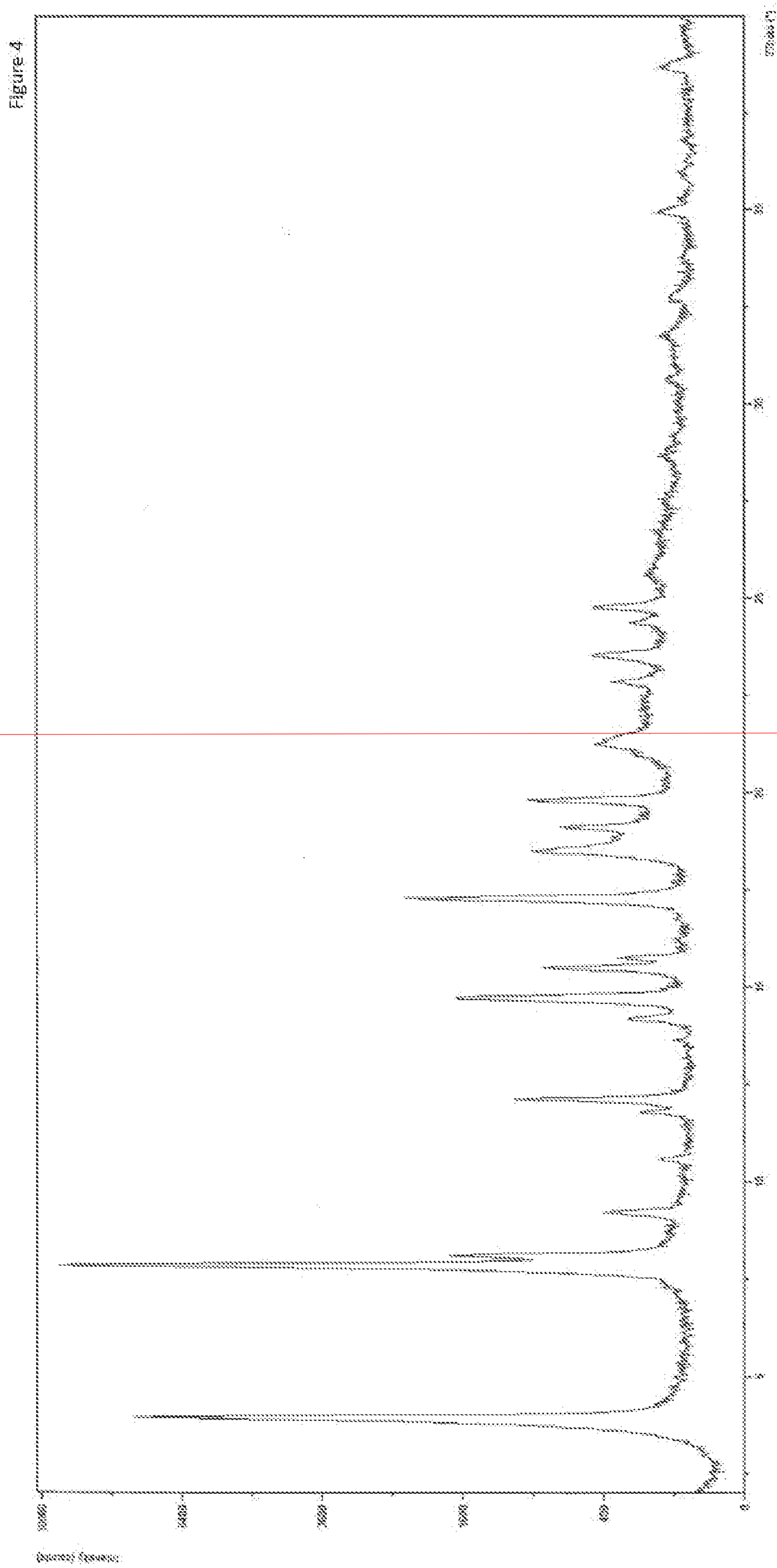
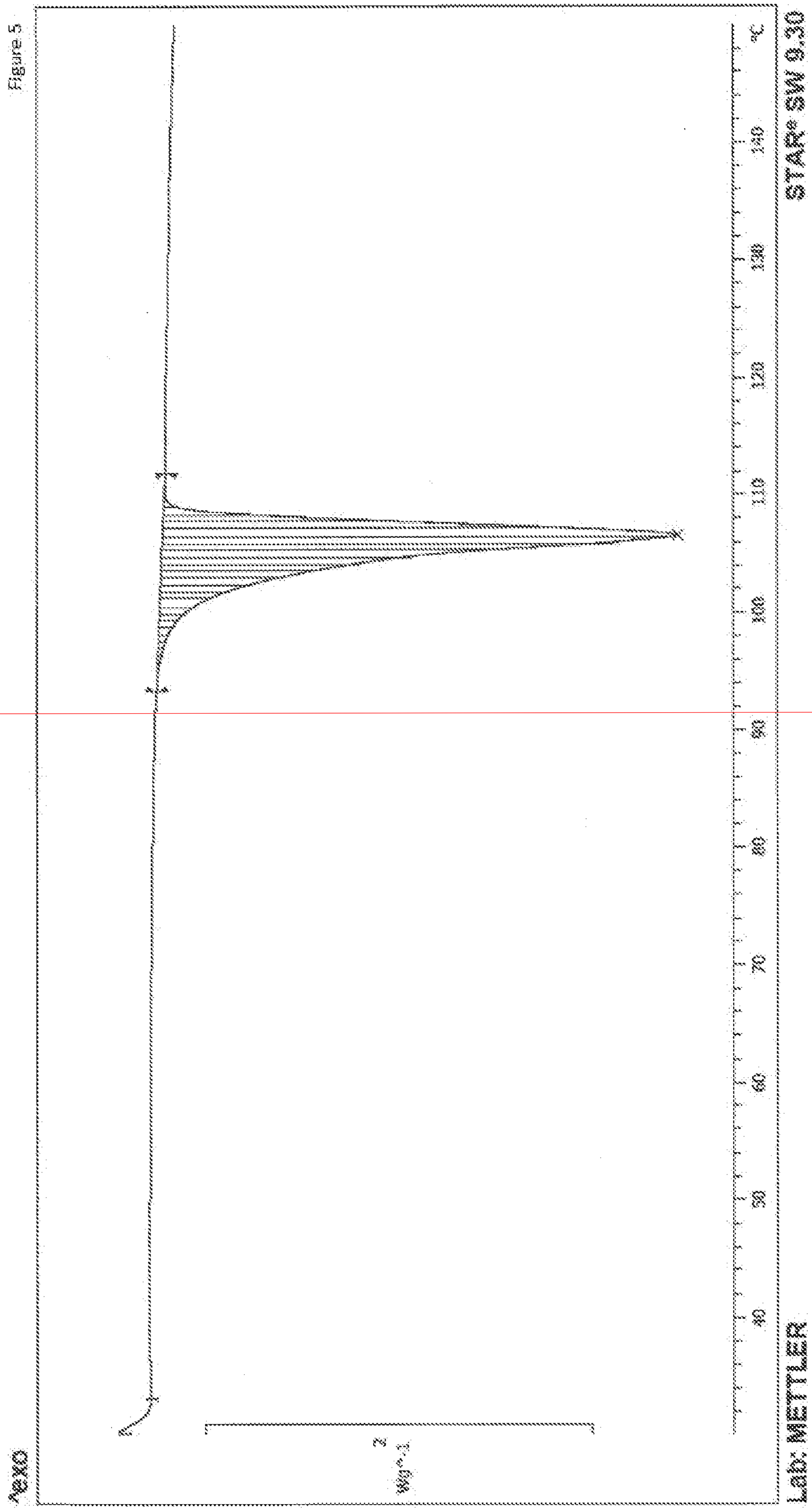

Intensity (counts)
14000
12000
8000
6000
4000
0
3
10
20
30
40
50
60
70
80
90
2Theta (°)

Figure 3


STAR* SW 9.30
°C
140
130
120
110
100
90
80
70
60
50
Lab.METTLER
1 W/gK
exo


Figure 4
Intensity (counts)


Figure 5
STARe SW 9.00
°C
140
130
120
110
100
90
80
70
60
50
40
mg
Lab: METTLER
exo

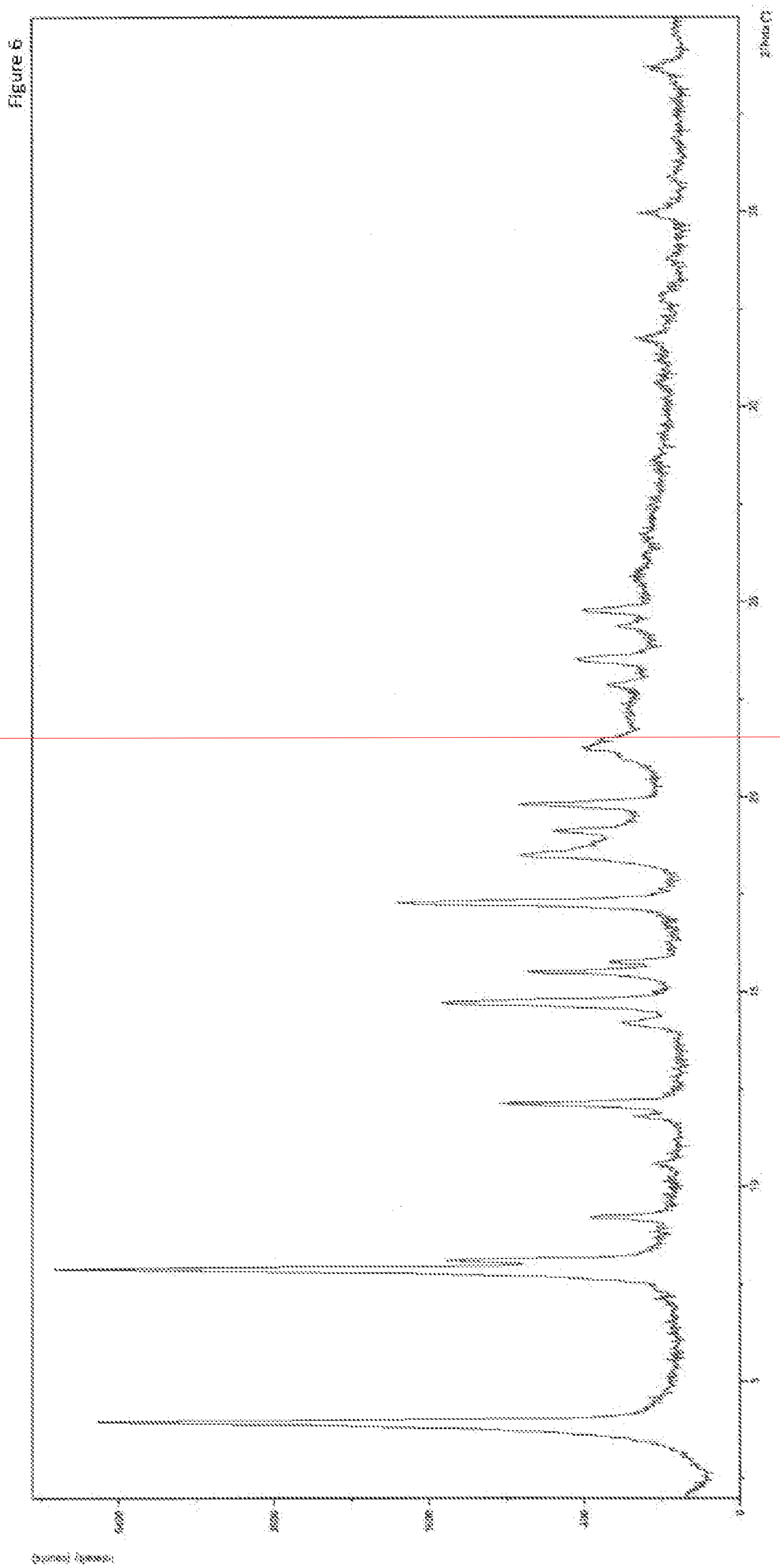
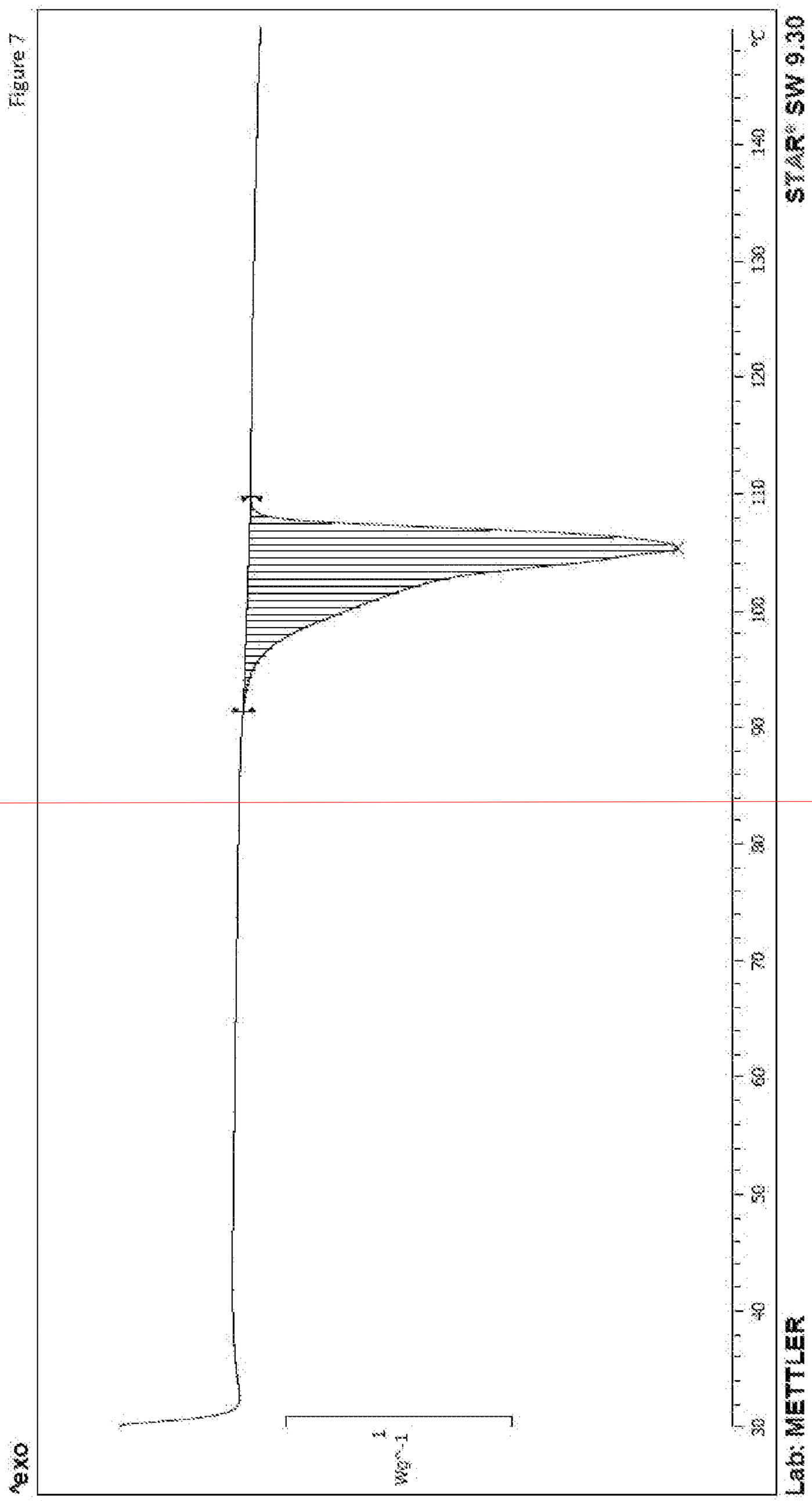
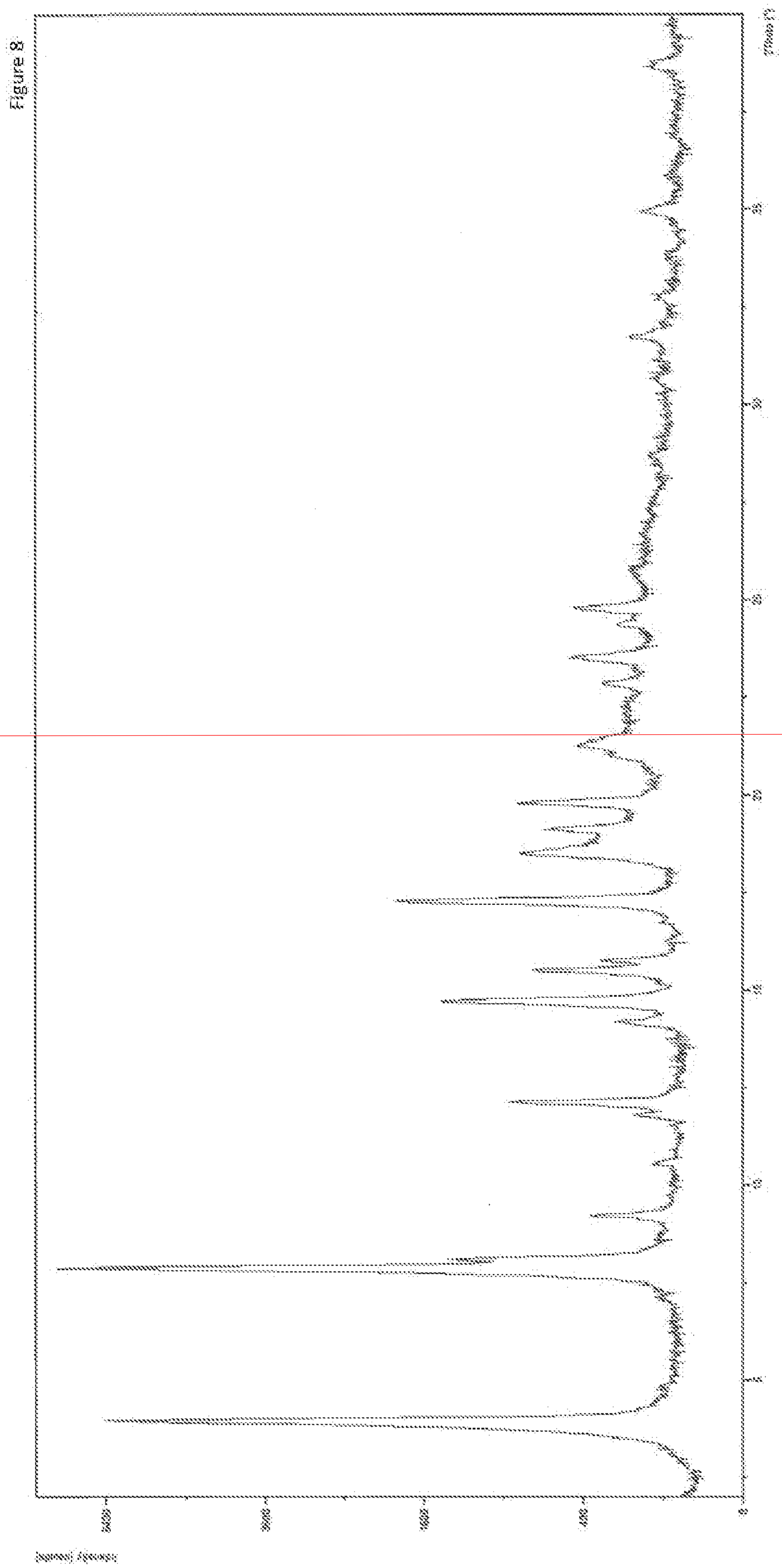

Figure 6
Intensity
2
5
10
15
20
25
30
Diffraction angle

Figure 7


STARe SW 9.30
°C
140
130
120
110
100
90
80
70
60
50
40
30
mW
1
Wg^-1
exo
Lab: METTLER


Figure 8
Intensity (counts)
2500
2000
1500
1000
500
0
2Theta (°)
5
10
15
20
25
30
35
40
45
50

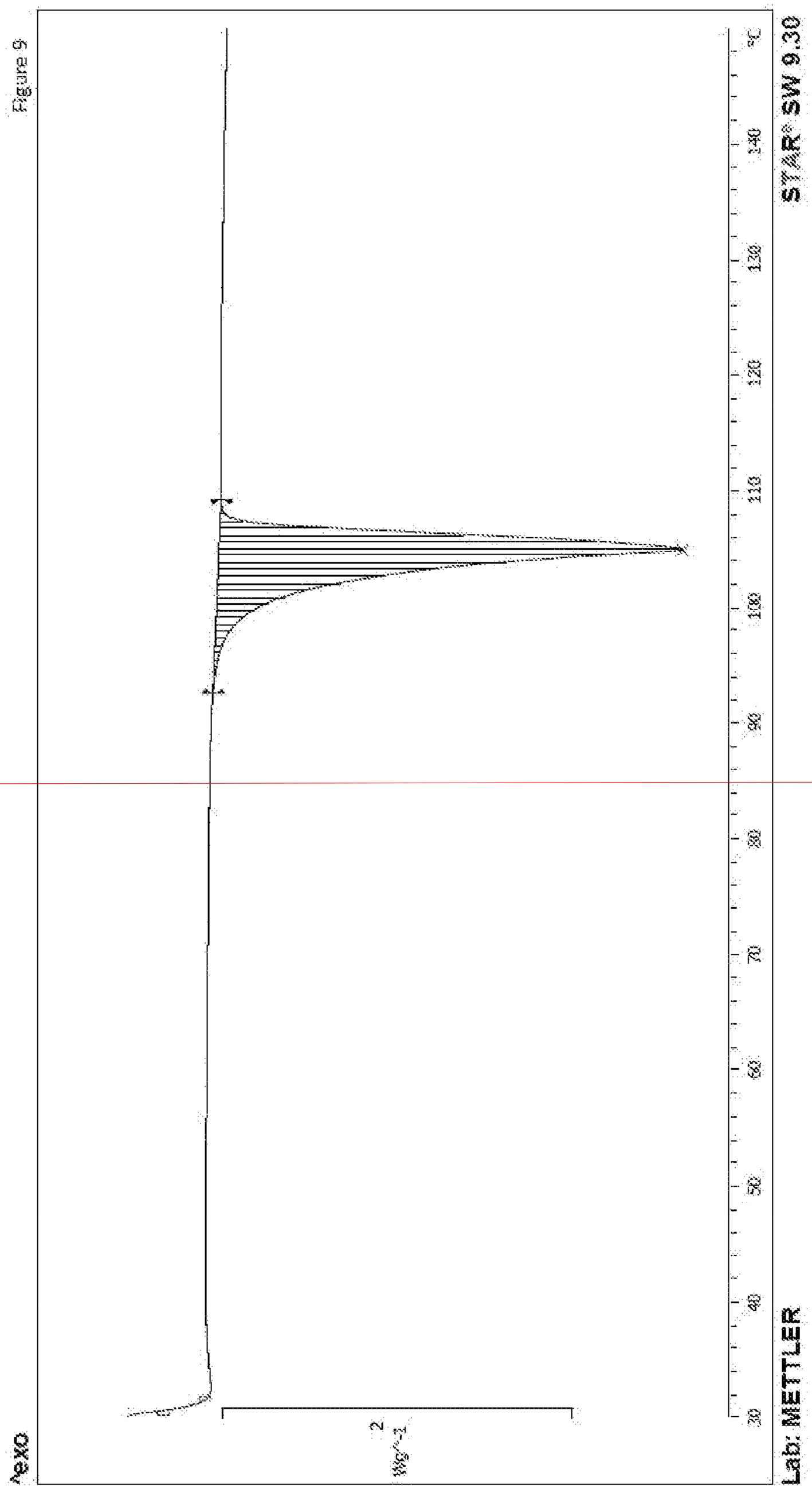
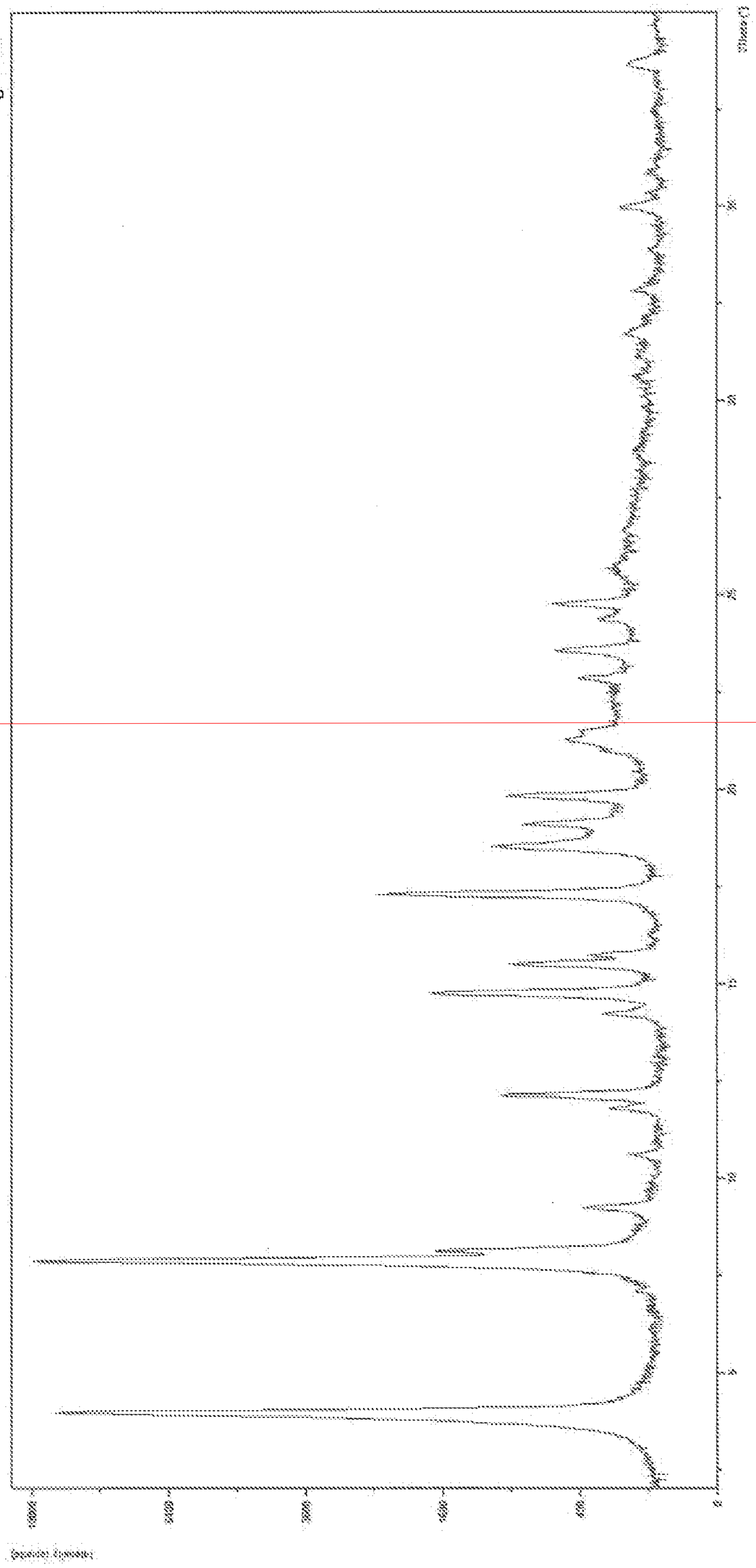
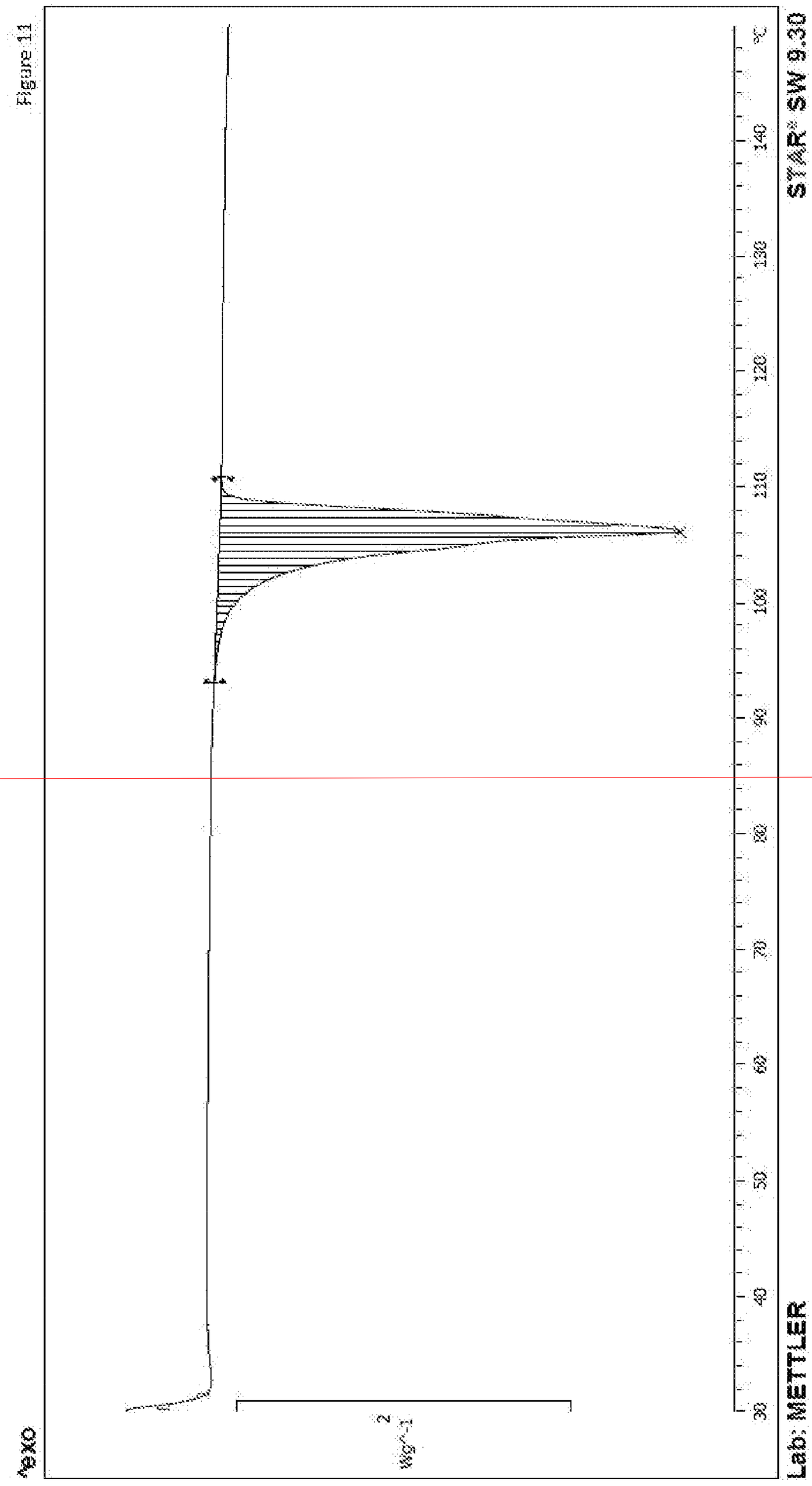

Sample
Figure 6
STARe SW 9.30
°C
30
90
150
210
270
330
390
450
510
570
630
690
750
810
870
930
990
1050
1110
1170
1230
1290
1350
mW
2
Exo
Lab: METTLER

Figure 10




Figure 11
STAR° SW 9.30
°C
140
130
120
110
100
90
80
70
60
50
40
30
2
mg/-1
exo
Lab: METTLER

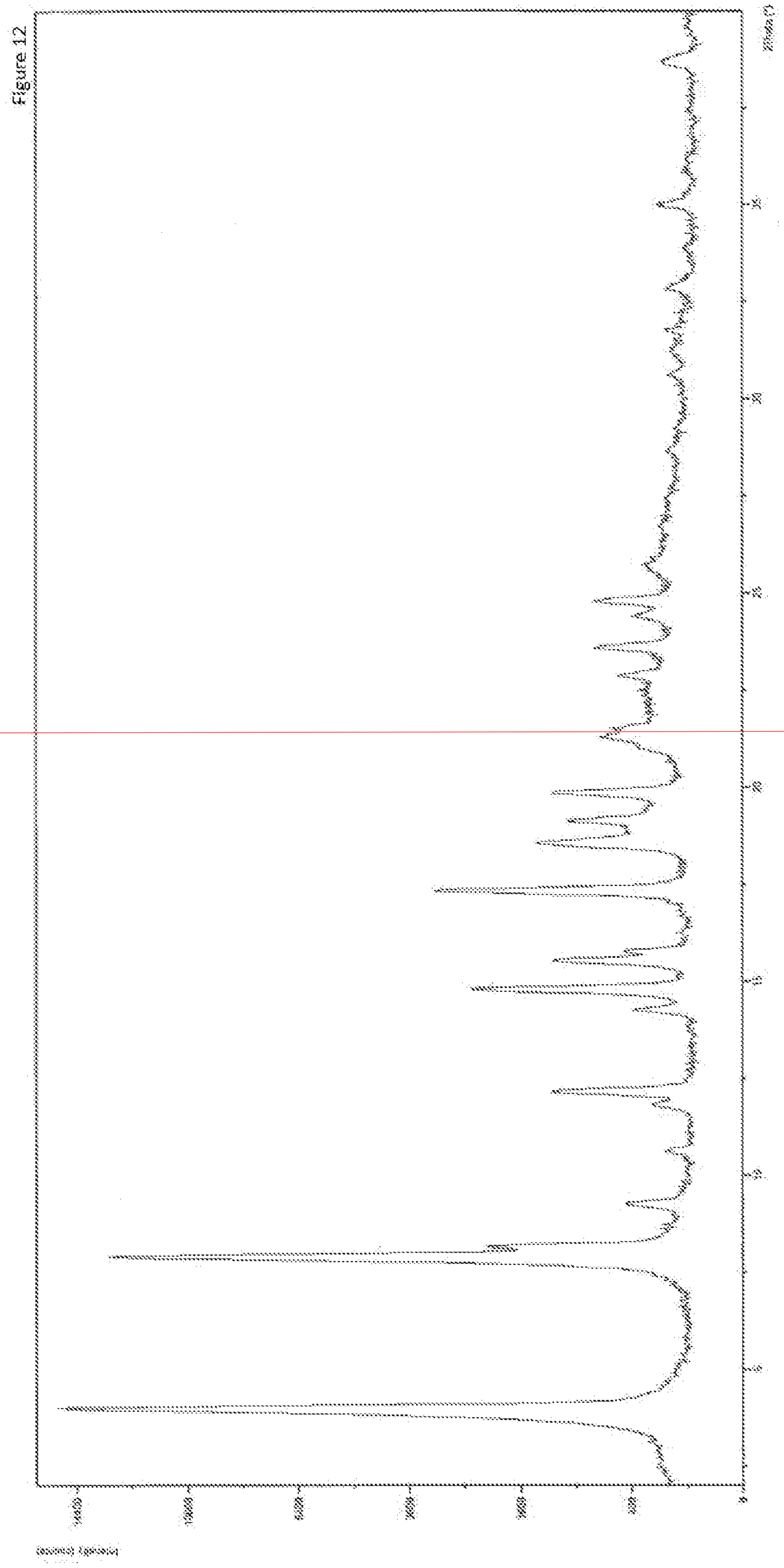

Figure 12
Zoom (%)
35
30
25
20
15
10
5
0
Intensity (counts)
10000
8000
6000
4000
2000
0

Figure 13

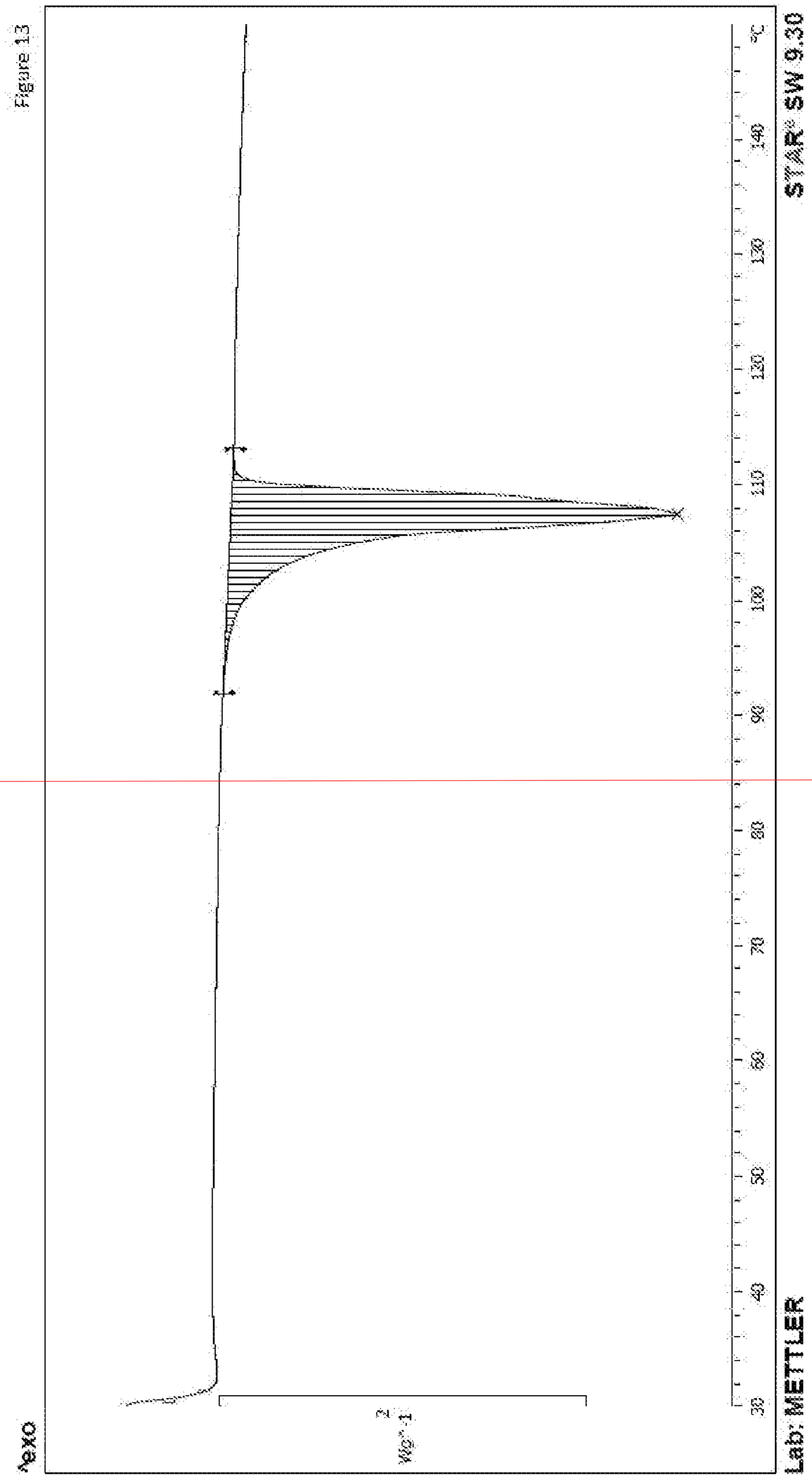
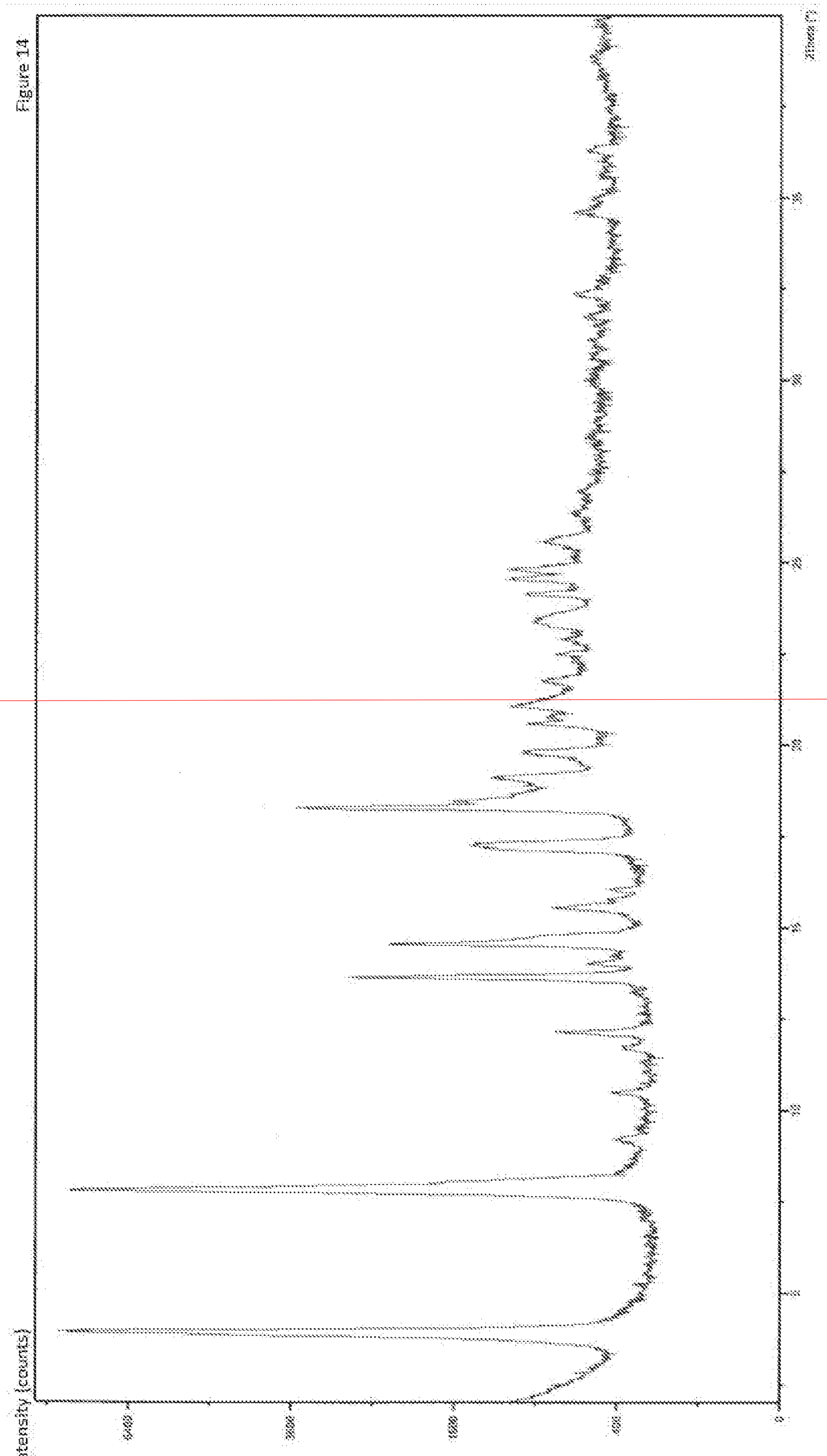

STAR° SW 9.30
°C
140
120
110
100
90
80
70
60
50
40
30
2
Wg^-1
exo
Lab: METTLER

Figure 14



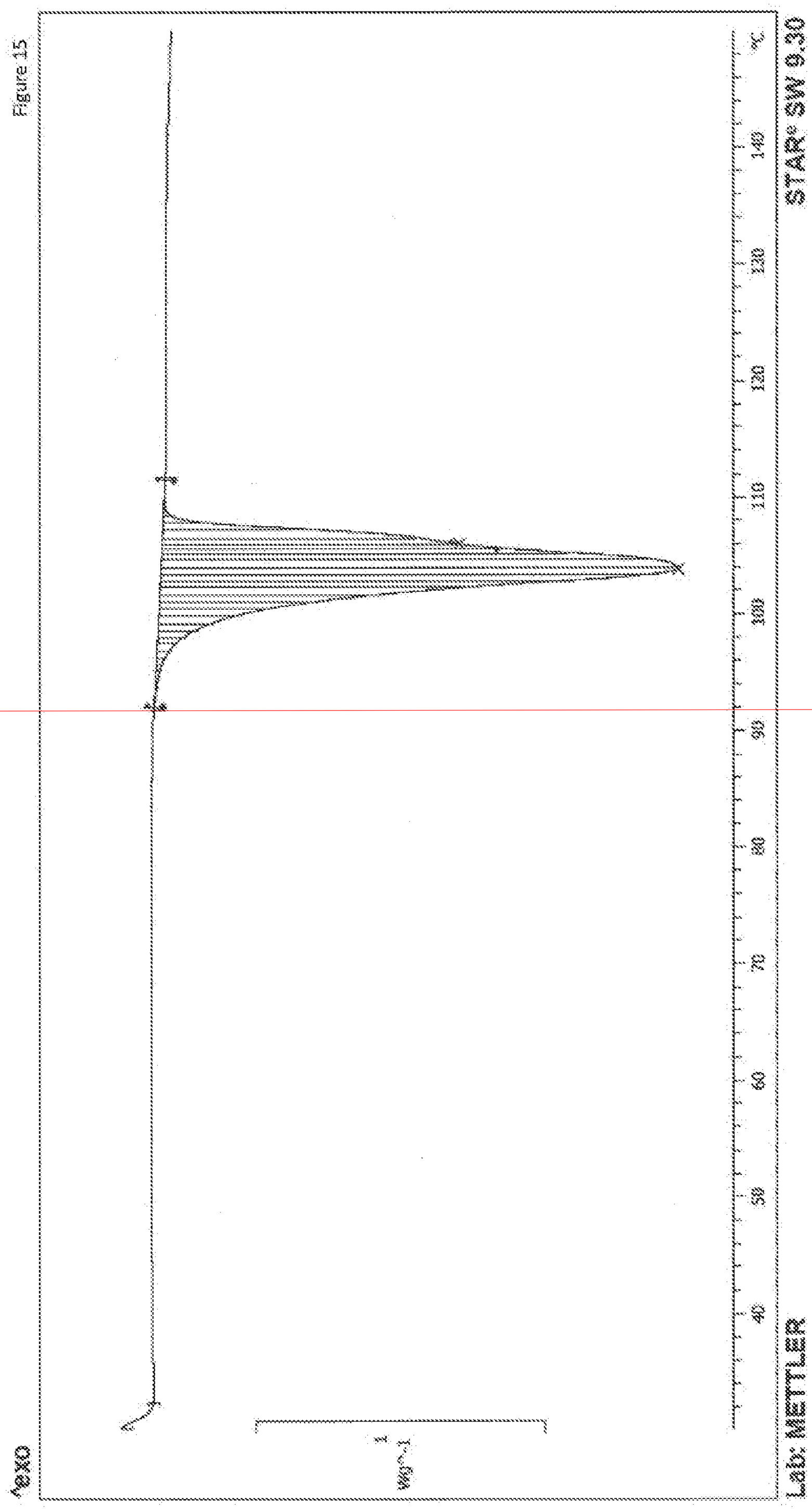
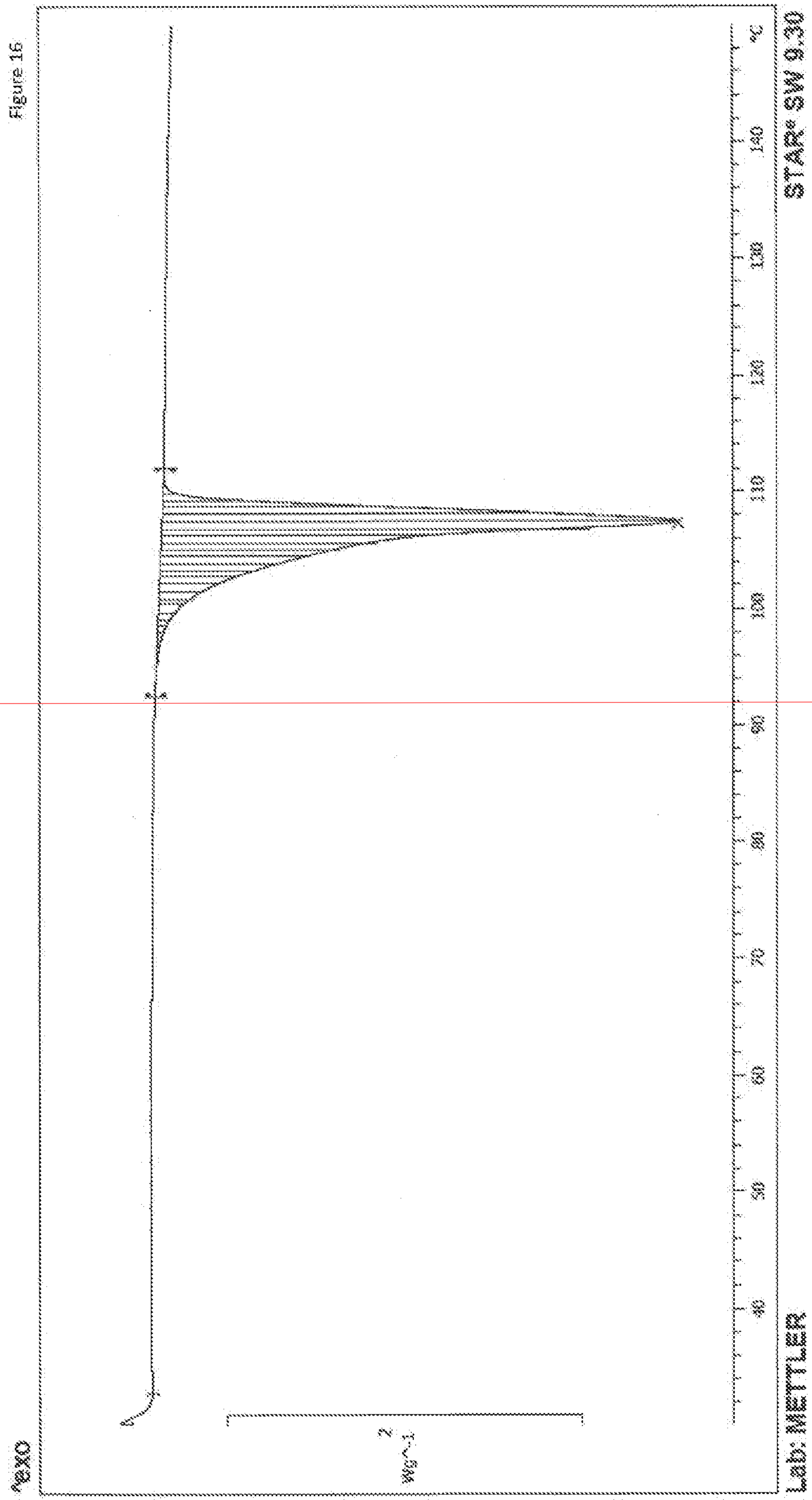
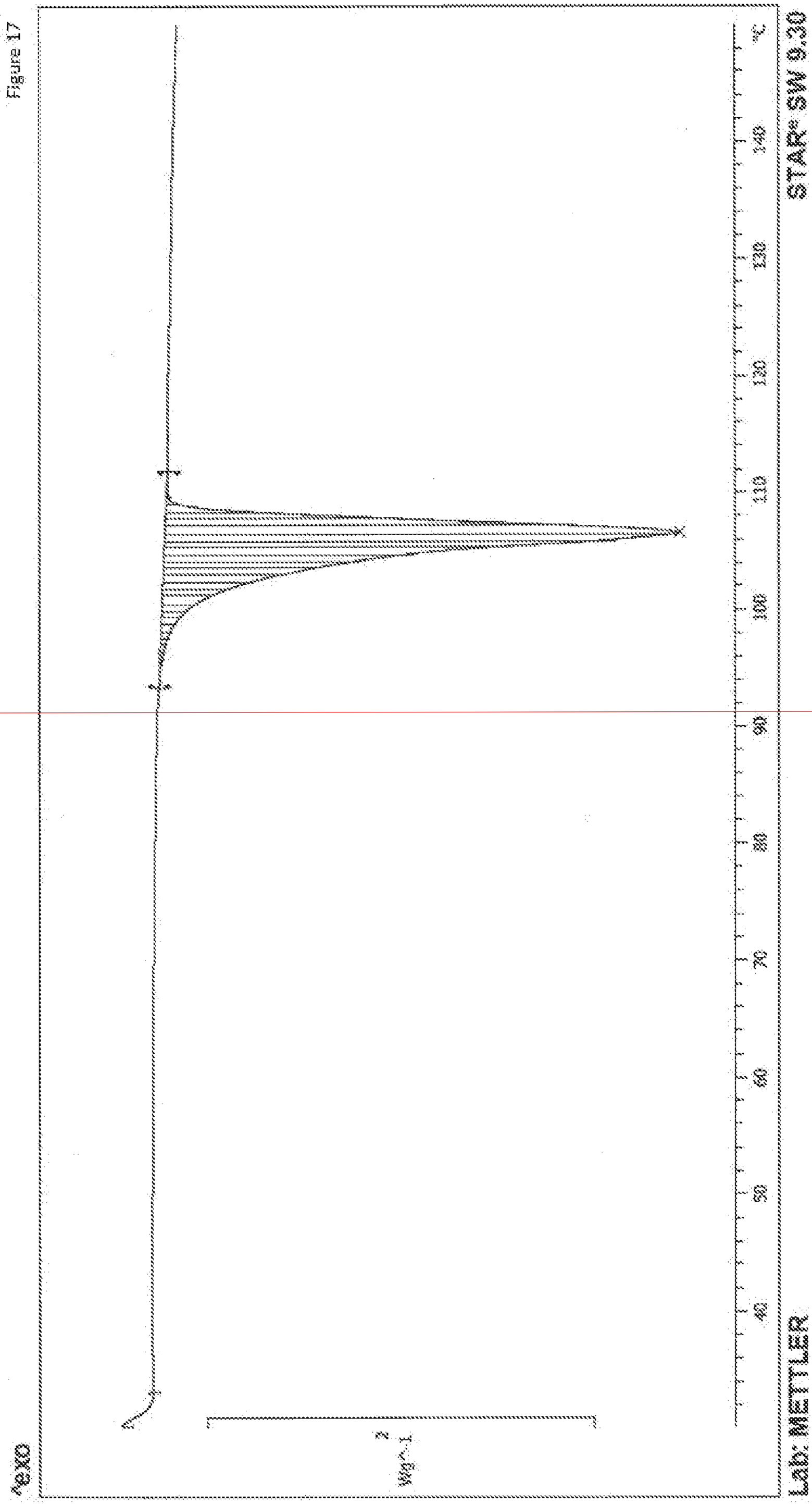

Figure 15
STARe SW 9.20
Lab: METTLER
oxo
1:1.000
x
148
020
030
010
000
090
080
050
040

Figure 16


STARe SW 9.30
°C
041
081
021
091
001
08
09
07
09
05
08
exo
Lab: METTLER


Figure 17
STAR SW 9.30
°C
140
130
120
110
100
90
80
70
60
50
40
mg/min
2
1
exo
Lab: METTLER

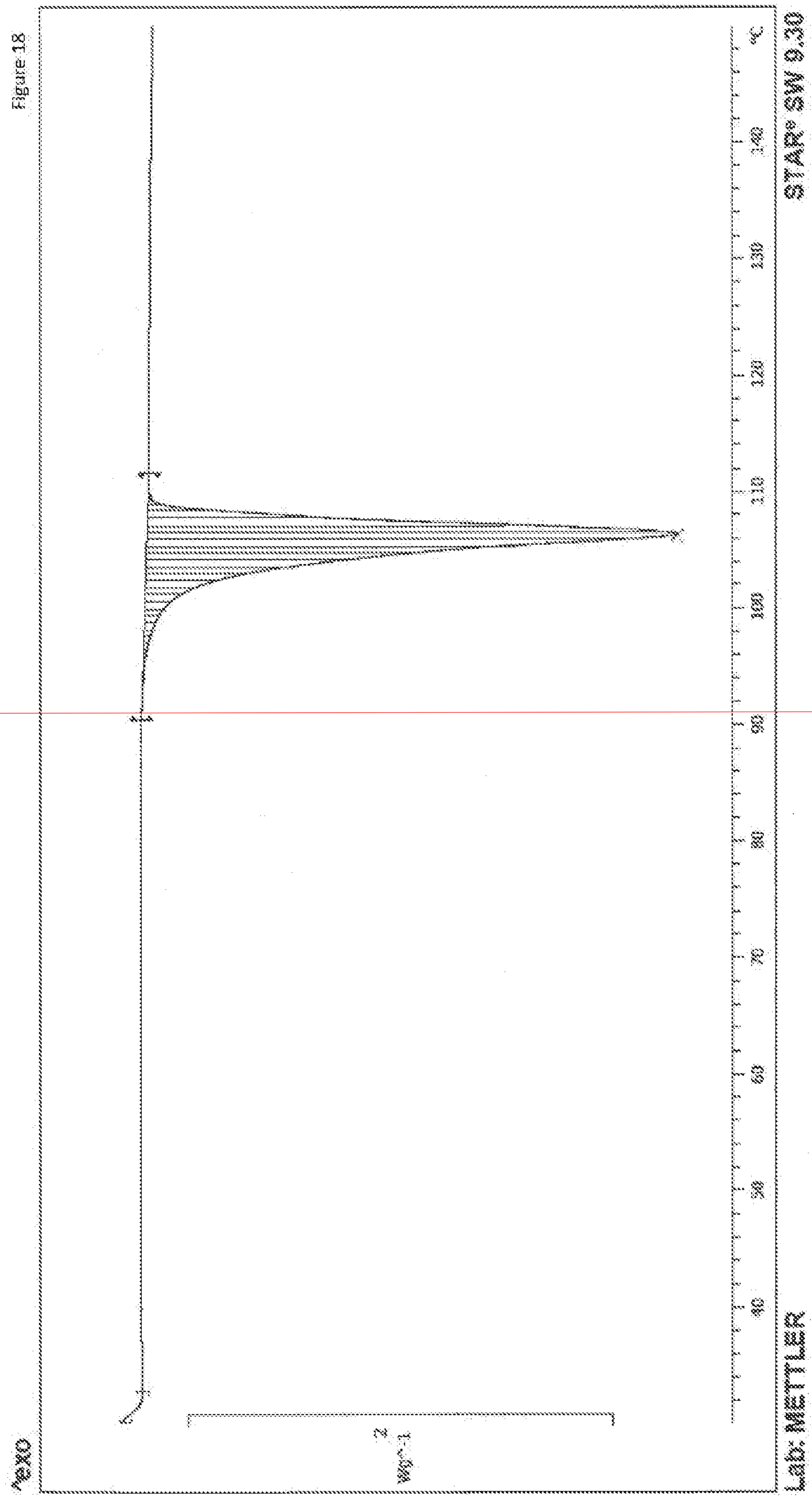


Figure 18

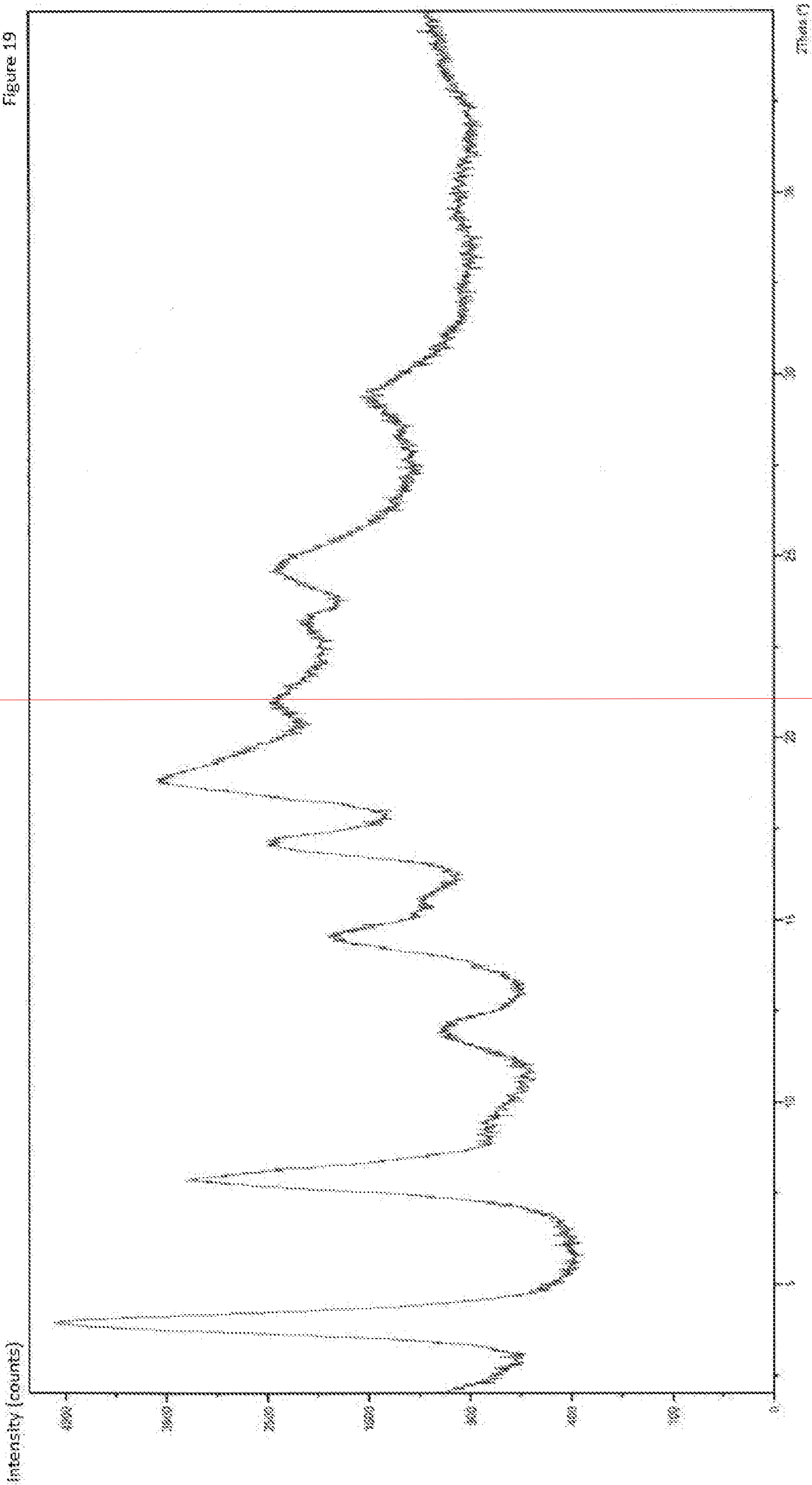
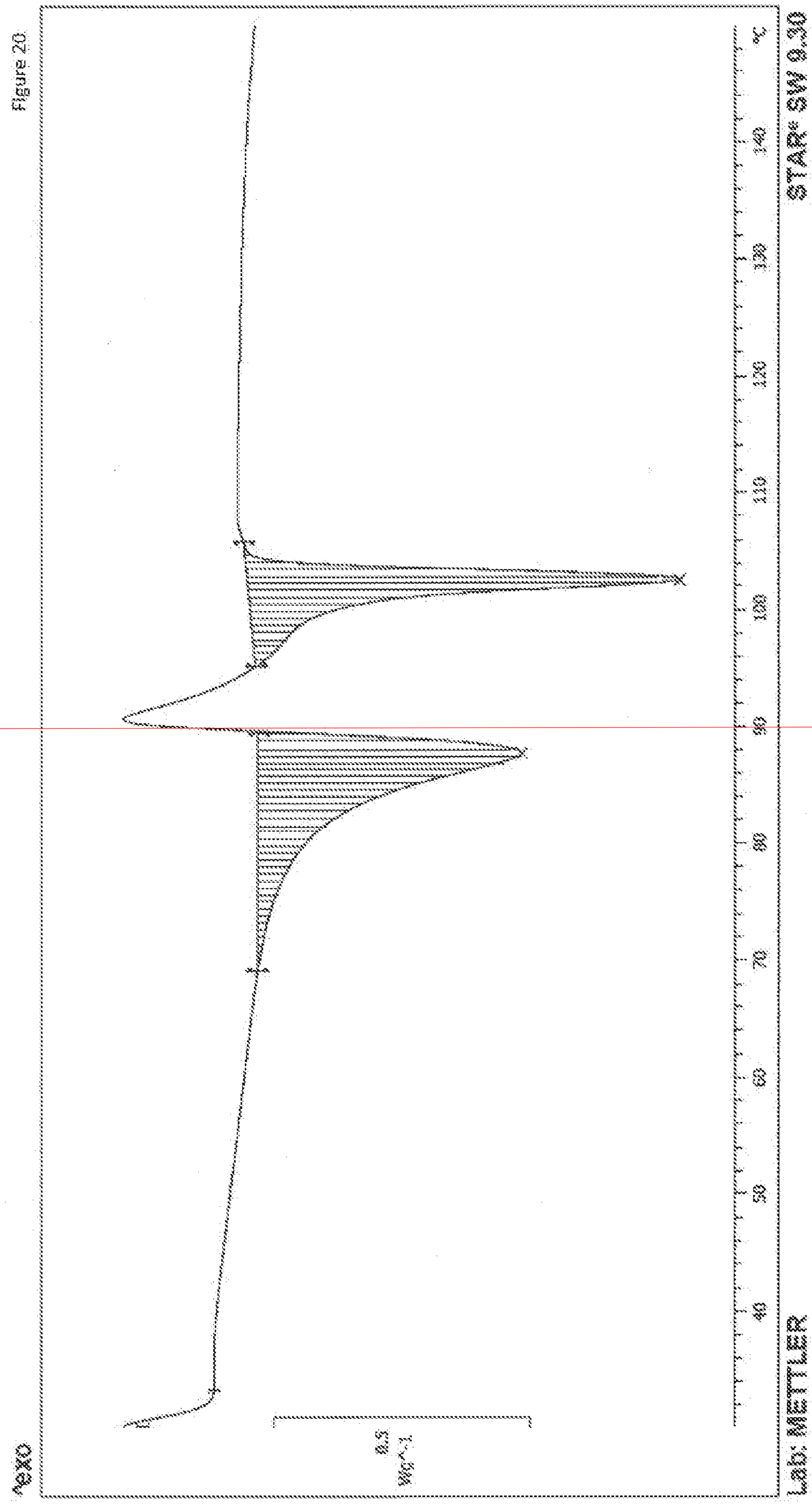
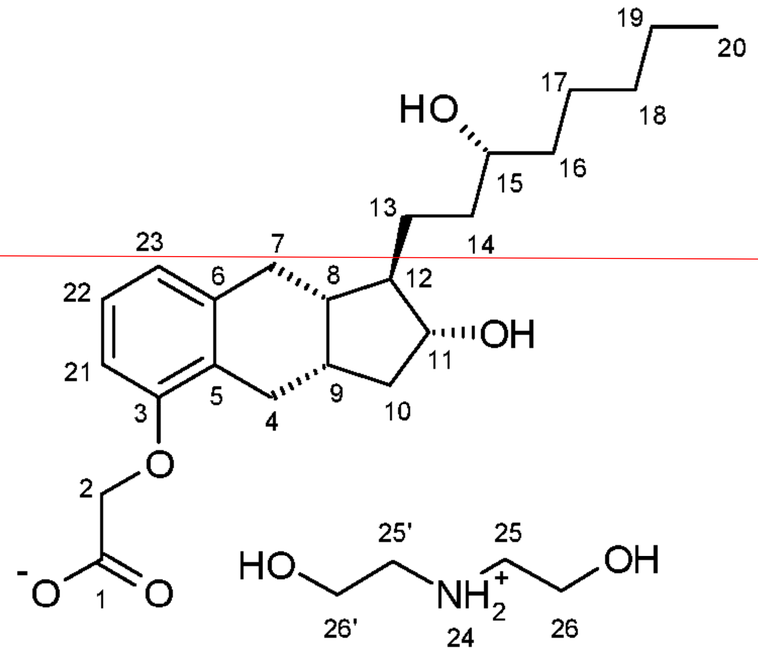


Figure 19


Figure 20
START MEASURE
2θ
040
080
120
160
200
240
280
320
360
400
440
480
520
560
600
640
680
720
760
800
840
880
920
960
1000
1040
1080
1120
1160
1200
1240
1280
1320
1360
1400
1440
1480
1520
1560
1600
END MEASURE
1°/min
3°/min

21/21

Figure 21



Numbering	^{13}C (ppm)	^{1}H (ppm)	Number of ^{1}H	Multiplicity	Coupling constant (Hz) (+/- 0.2Hz)
1	172.27	-	-	-	
2	67.18	4.27	2	s	
3	155.48	-	-	-	
4	25.72	4β: 2.735 4α: 2.40*	1 1	dd m (dd)	J_{4gem}=14.6; $J_{4\beta,9}$=6.2 $J_{4\alpha,9}$=6.8
5	126.43	-	-	-	
6	140.12	-	-	-	
7	33.49	7β: 2.66 7α: 2.37*	1 1	dd m (dd)	J_{7gem}=14.2; $J_{7\beta,8}$=6.2 $J_{7\alpha,8}$=6.7
8	40.57	1.74	1	m (dddd/tt)	$J_{8,9}$=10.0; $J_{8,12}$=9.0
9	32.50	2.09	1	m (ddddd)	
10	41.21	10β: 1.96 10α: 1.01	1 1	m (ddd/dt) m (ddd/dt)	J_{10gem}=11.8; $J_{9,10\beta}$~7.0; $J_{10\beta,11}$~6.2 $J_{9,10\alpha}$~$J_{10\alpha,11}$~10.2
11	75.51	3.47	1	m (td)	$J_{11,12}$~9.5
12	51.54	1.10	1	tt	$J_{12,13}$=6.1
13	28.37	13a: 1.605 13b: 1.31**	1 1	m (dq) m	
14	35.04	14a: 1.445** 14b: 1.42**	1 1	m m	
15	70.13	3.35	1	m (tt)	7.1, 4.1
16	37.04	16a: 1.34** 16b: 1.28**	1 1	m m	
17	24.94	17a: 1.37** 17b: 1.25**	1 1	m m	
18	31.52	18a: 1.26** 18b: 1.19**	1 1	m m	
19	22.16	1.27**	2	m	
20	13.95	0.865	3	t	$J_{19,20}$=7.0
21	109.42	6.61	1	d	$J_{21,22}$=8.2
22	125.64	6.98	1	t	$J_{22,23}$=7.4
23	119.69	6.68	1	d	
25, 25'	49.66	2.885	4	t	$J_{25,26}$=5.4
26, 26'	57.29	3.595	4	t	

Fig. 1

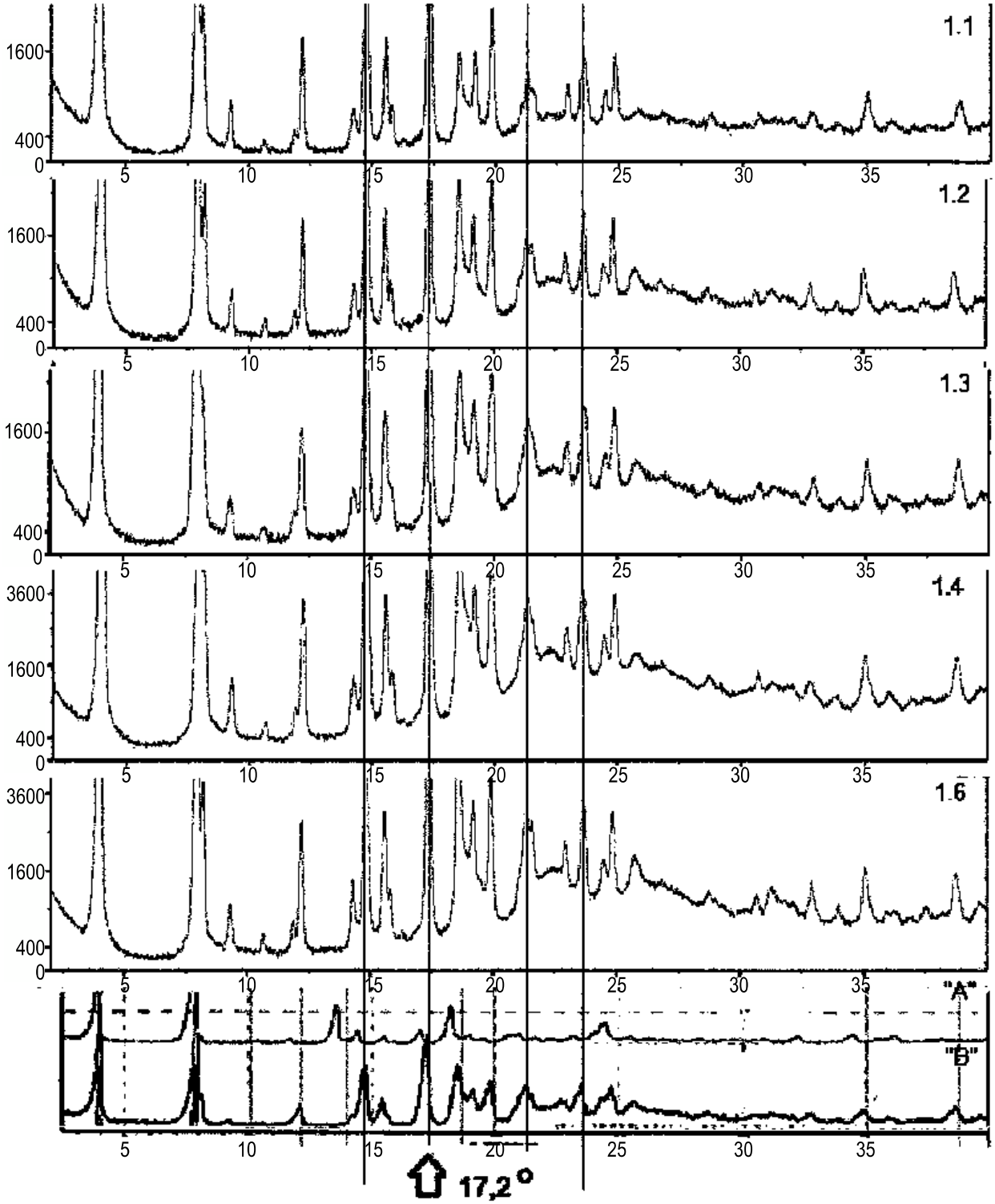


Fig. 2

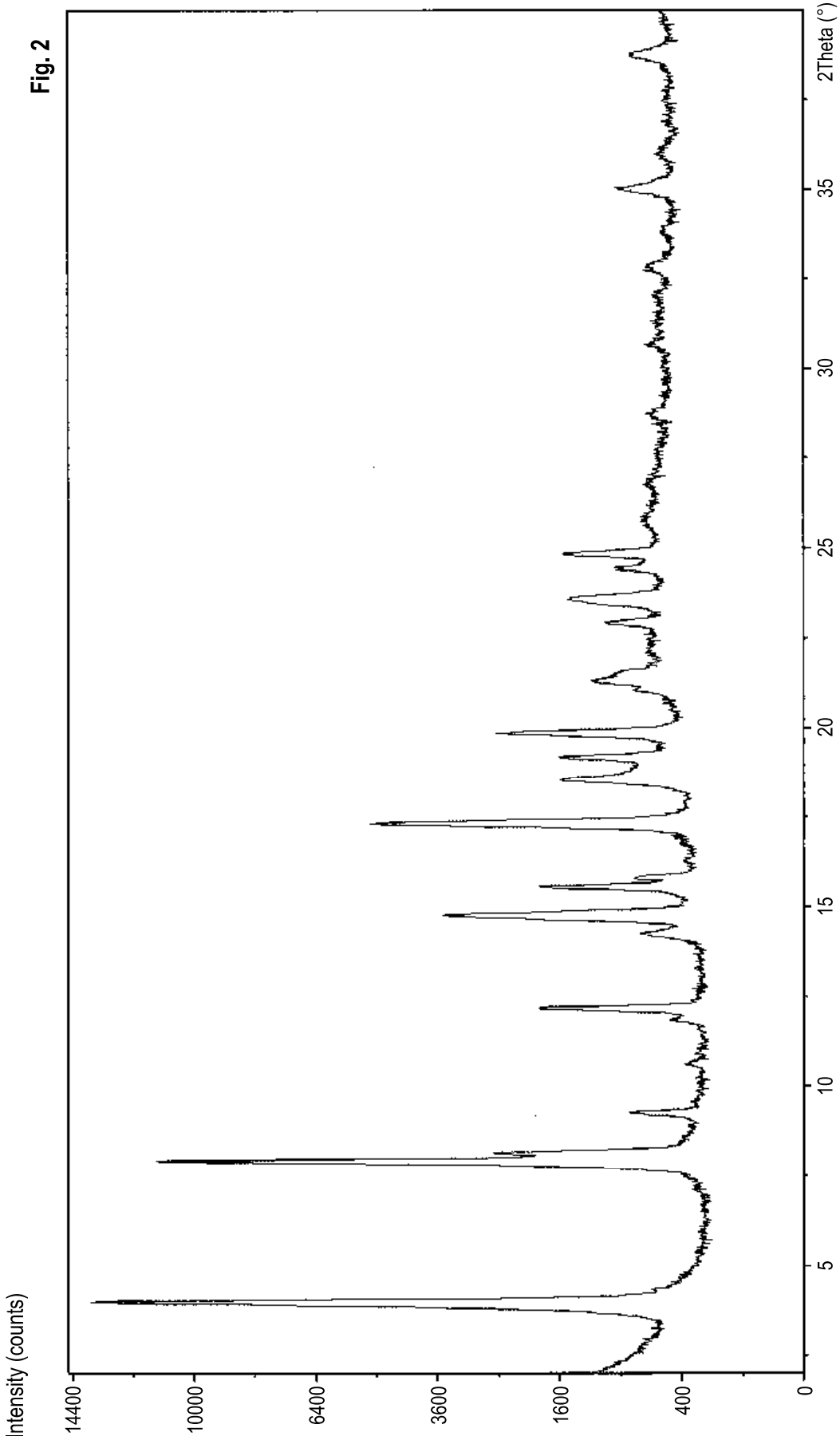

Intensity (counts)
14400
10000
6400
3600
1600
400
0
5
10
15
20
25
30
35
2Theta (°)

Fig. 3

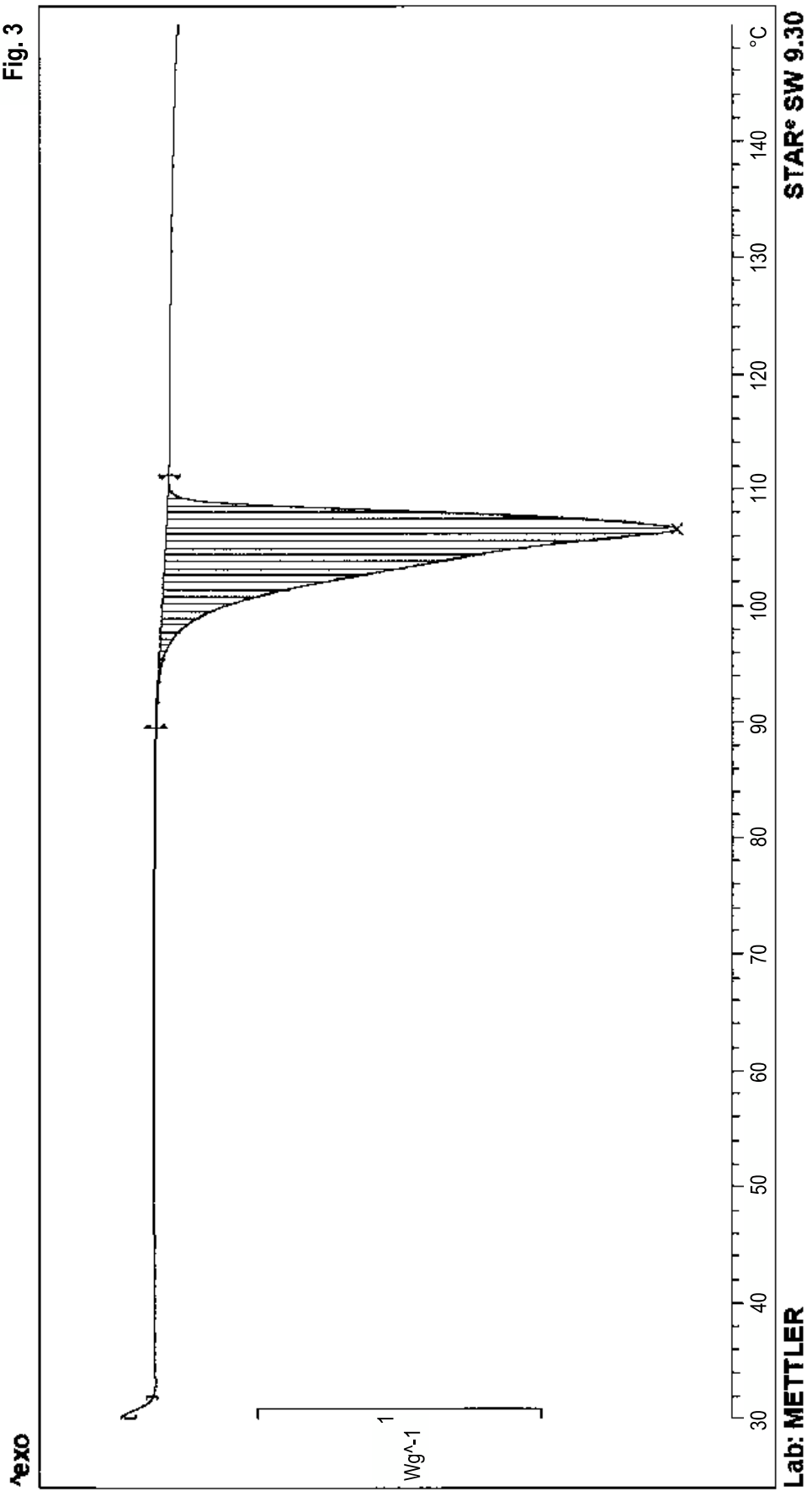

Exo
1
Wg^-1
30
40
50
60
70
80
90
100
110
120
130
140
°C
Lab: METTLER
STARe SW 9.30

Fig. 4

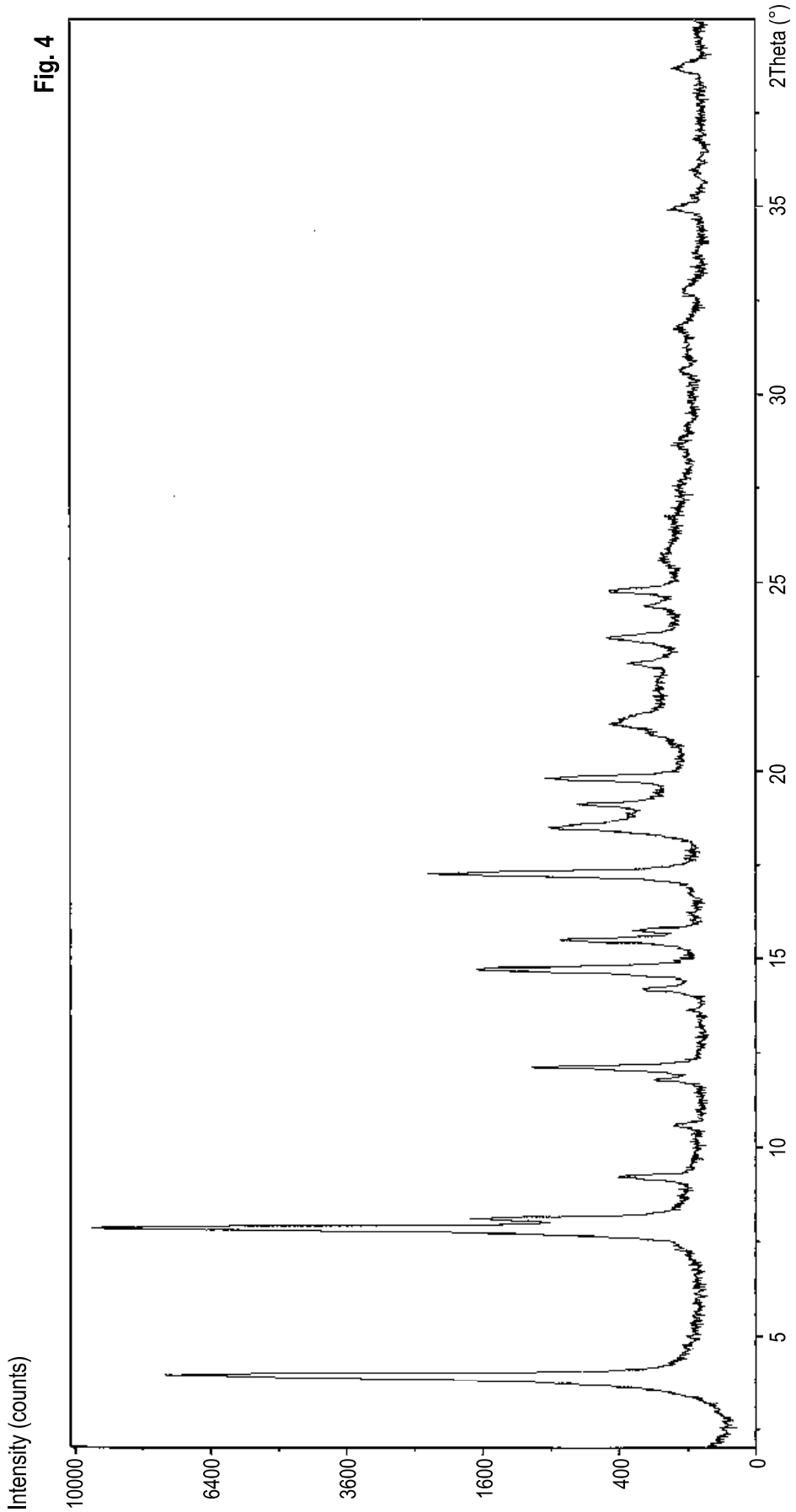

Intensity (counts)
10000
6400
3600
1600
400
0
5
10
15
20
25
30
35
2Theta (°)

Fig. 5

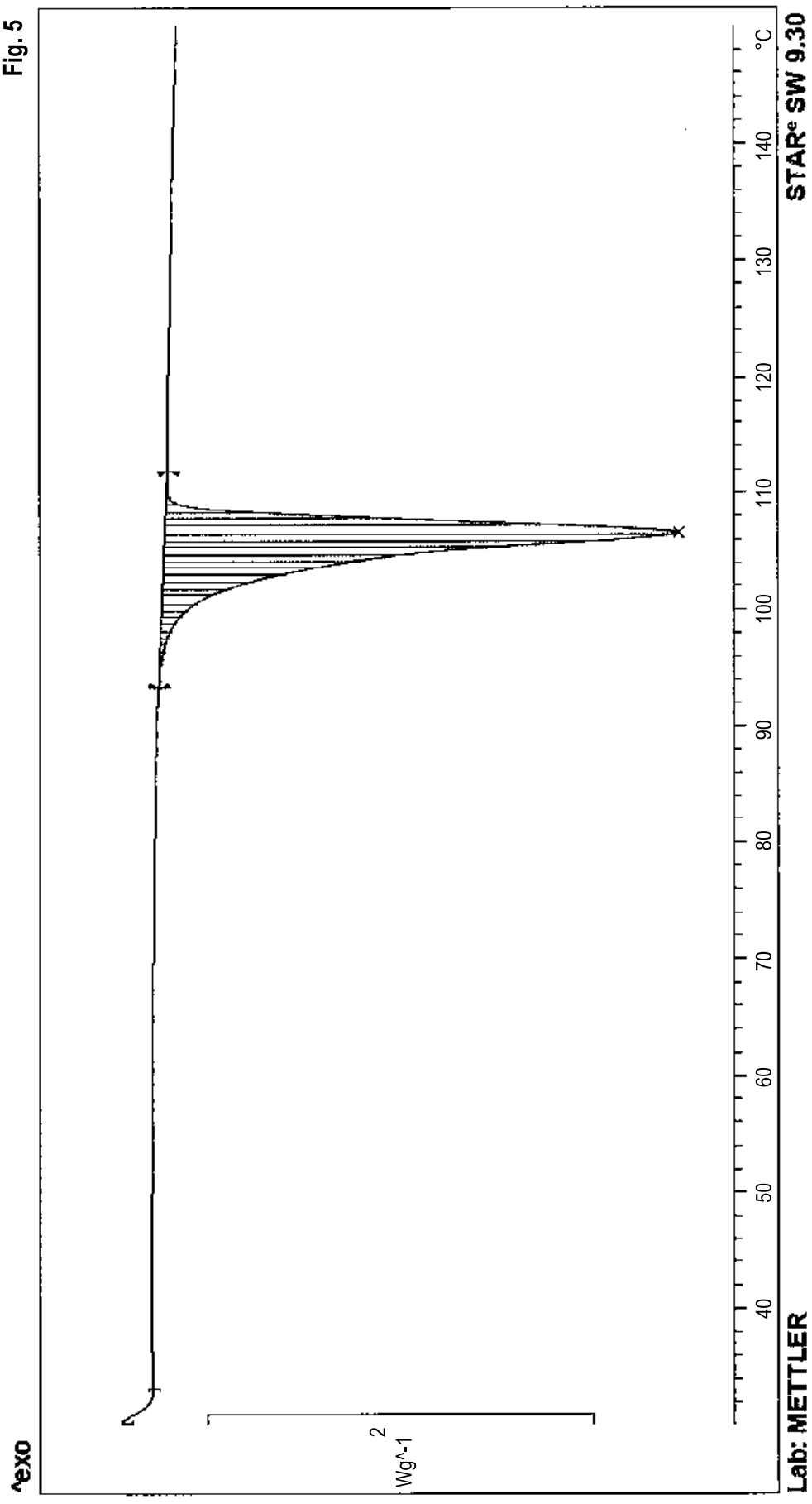

^exo
2
Wg^-1
40
50
60
70
80
90
100
110
120
130
140
°C
Lab: METTLER
STARe SW 9.30

Fig. 6

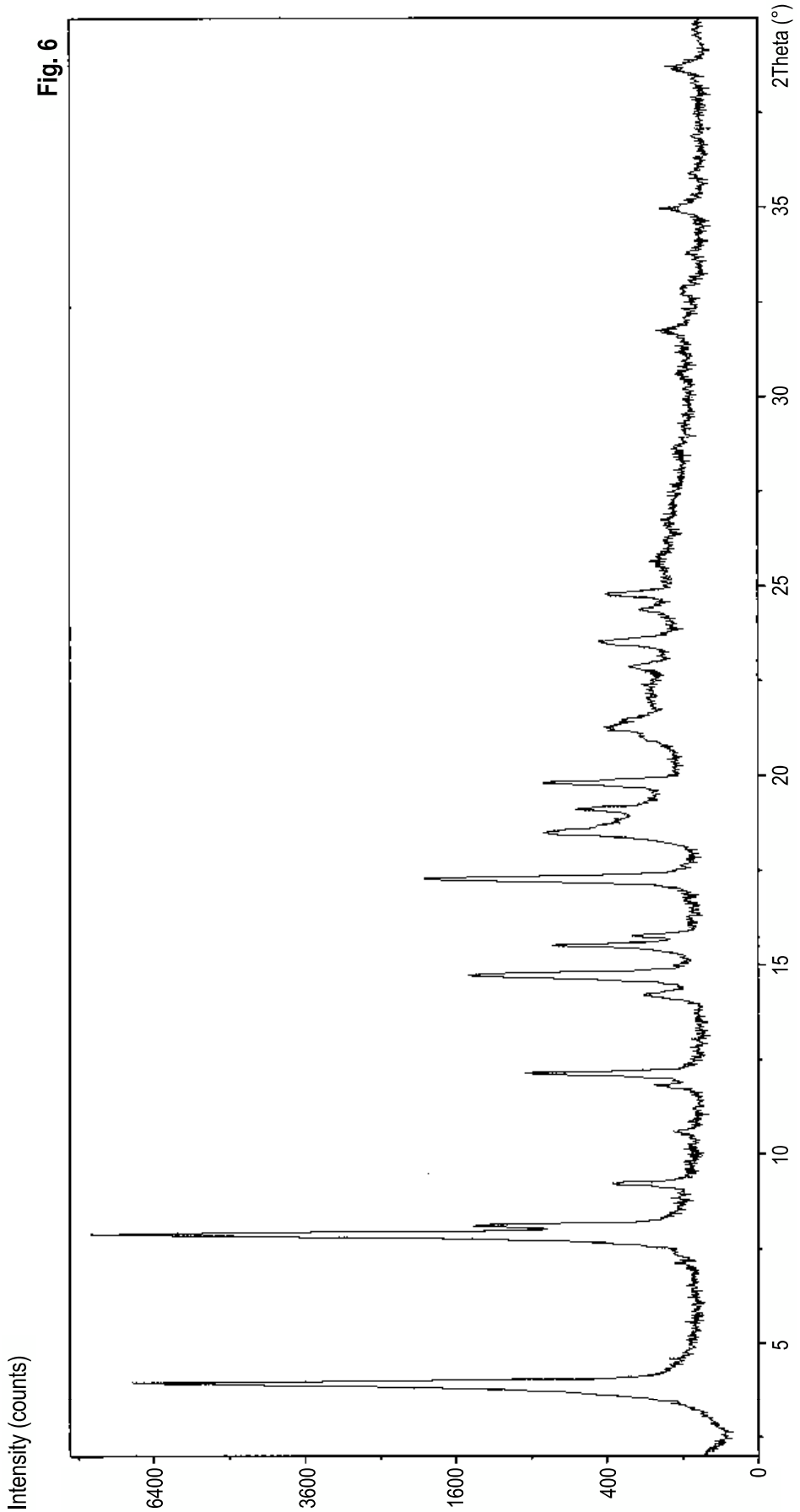

Intensity (counts)
6400
3600
1600
400
0
5
10
15
20
25
30
35
2Theta (°)

Fig. 7

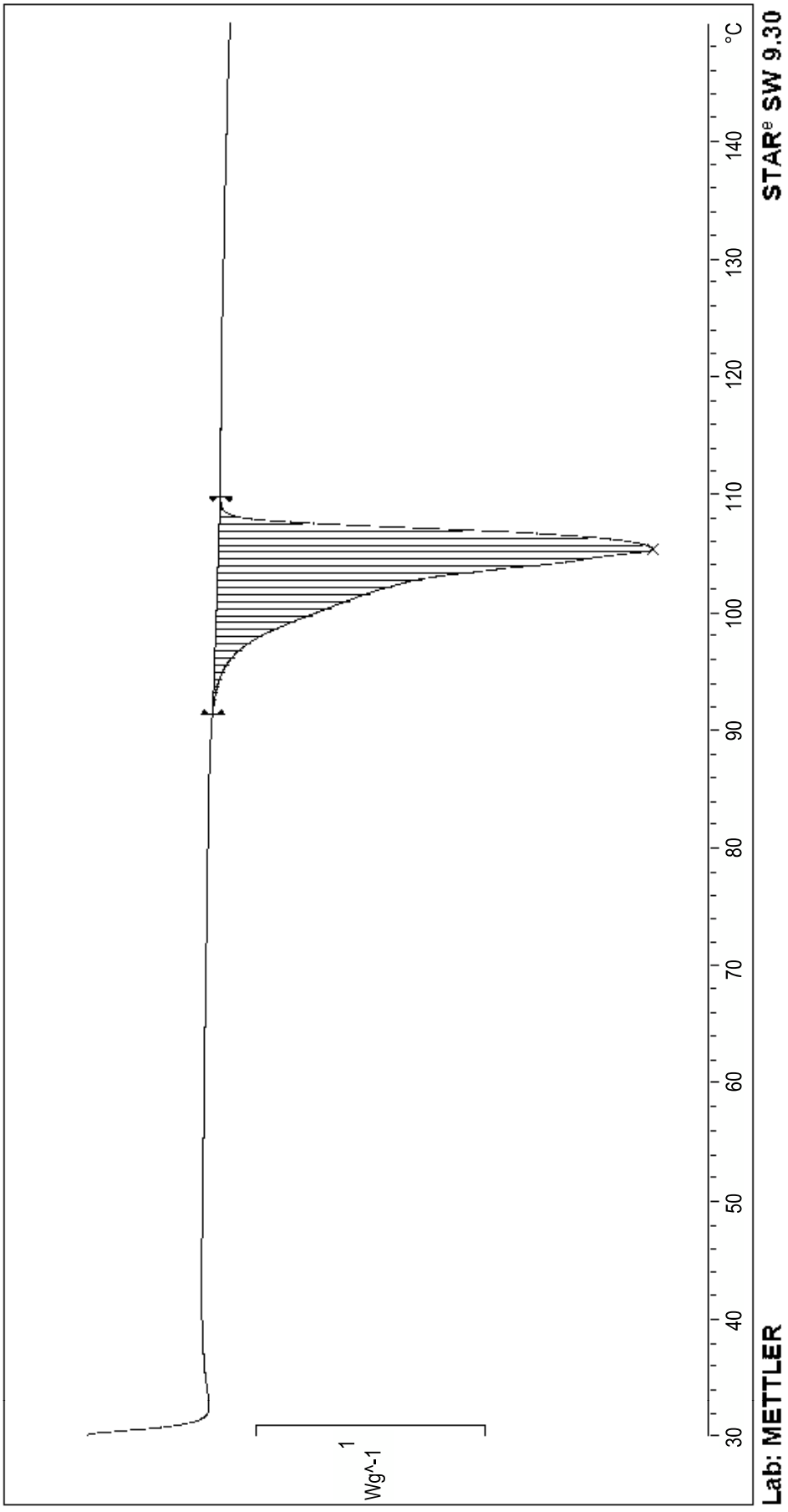
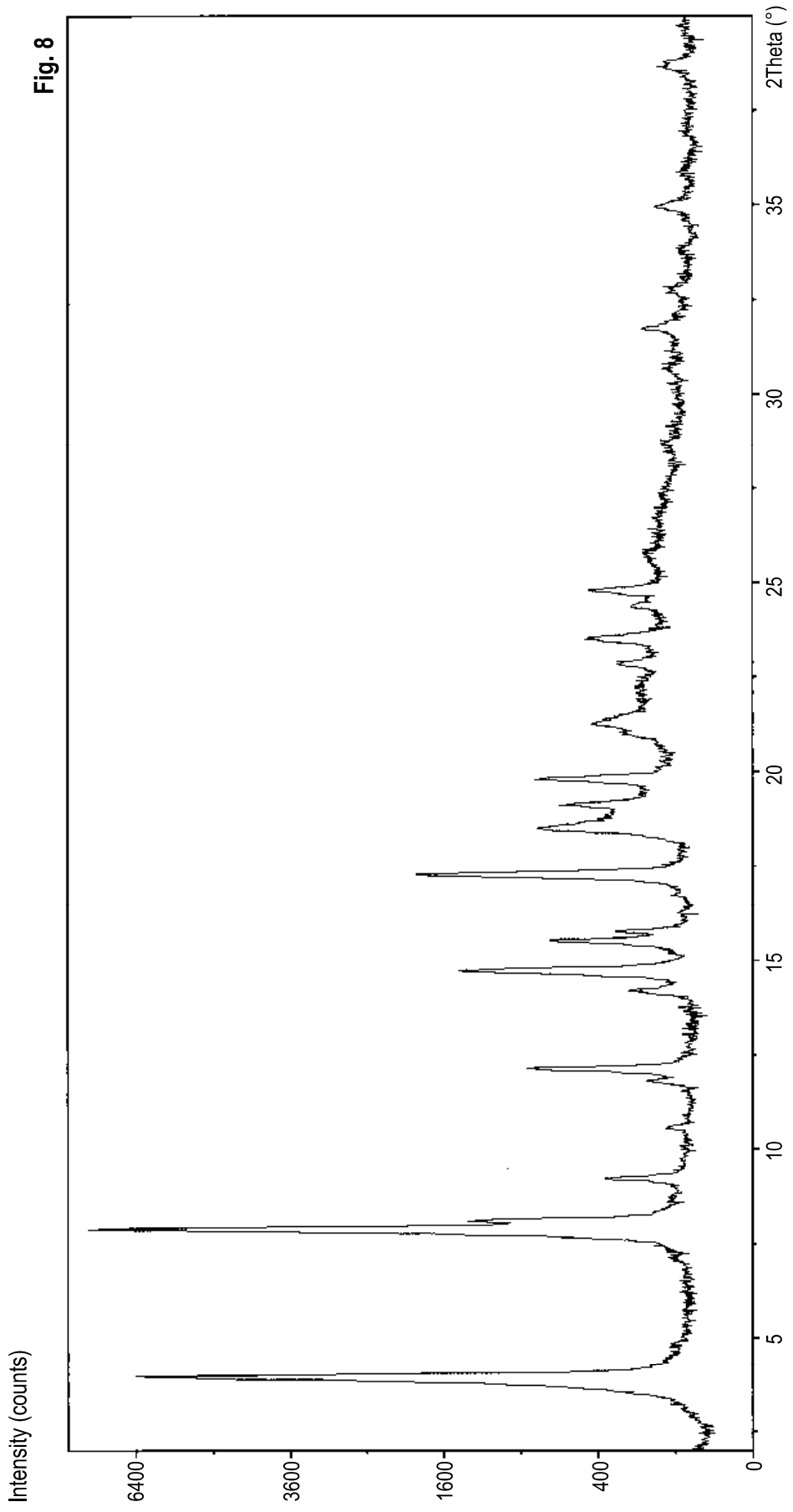

^exo
1
Wg^-1
30
40
50
60
70
80
90
100
110
120
130
140
°C
Lab: METTLER
STARe SW 9.30

Fig. 8


Intensity (counts)
6400
3600
1600
400
0
5
10
15
20
25
30
35
2Theta (°)

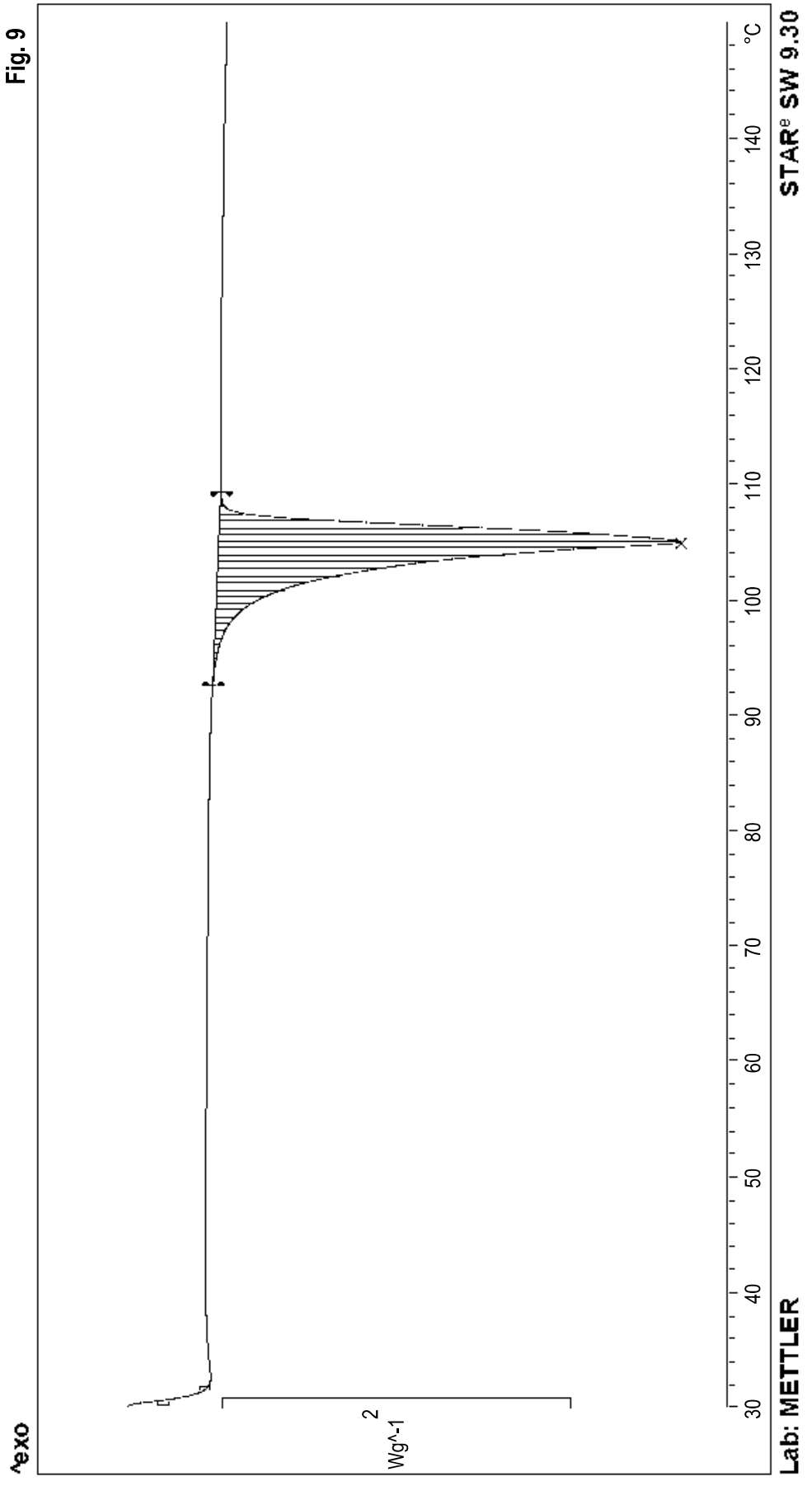

Fig. 9
^exo
2
Wg^-1
30
40
50
60
70
80
90
100
110
120
130
140
°C
Lab: METTLER
STARe SW 9.30

Fig. 10

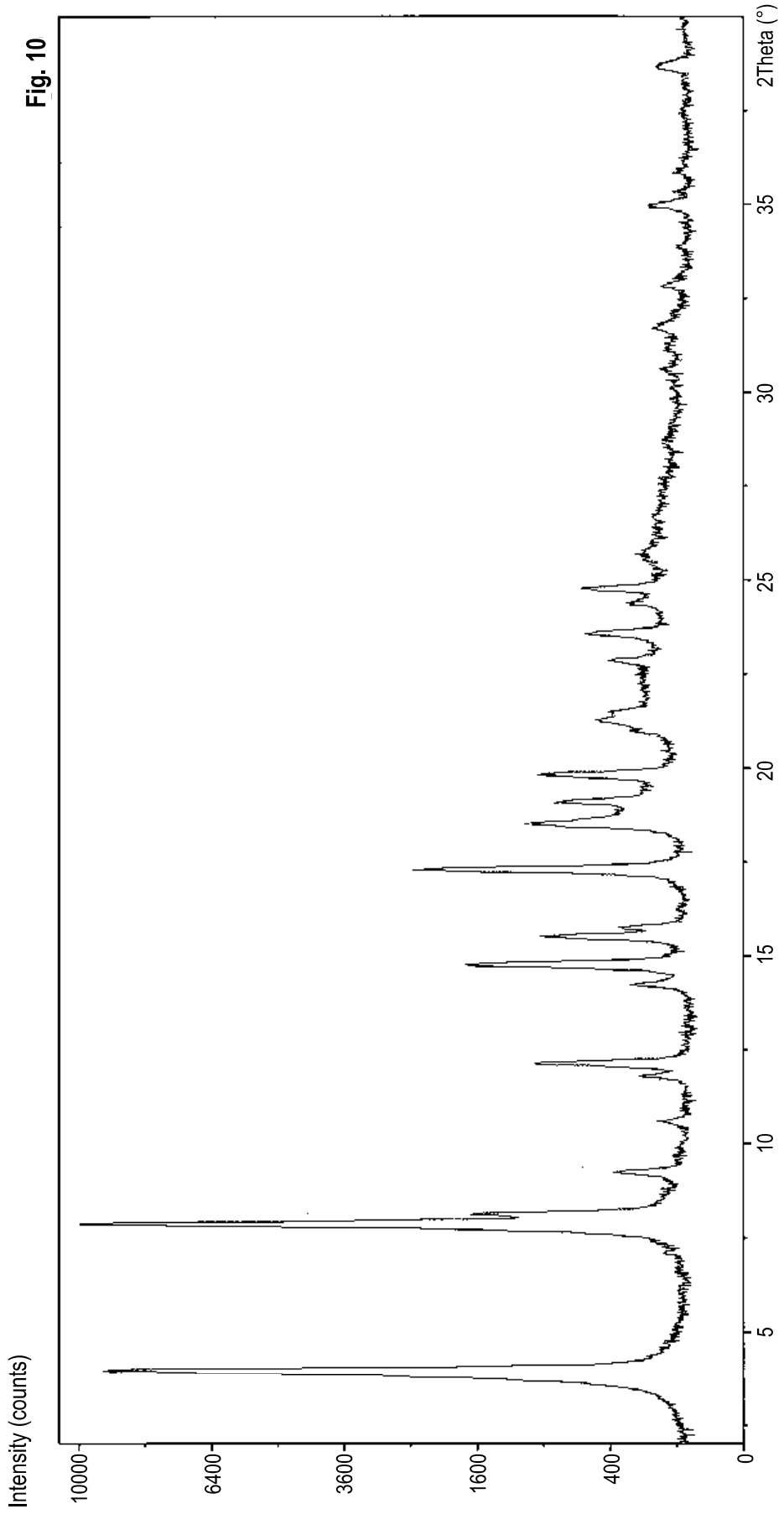

Intensity (counts)
10000
6400
3600
1600
400
0
5
10
15
20
25
30
35
2Theta (°)

Fig. 11

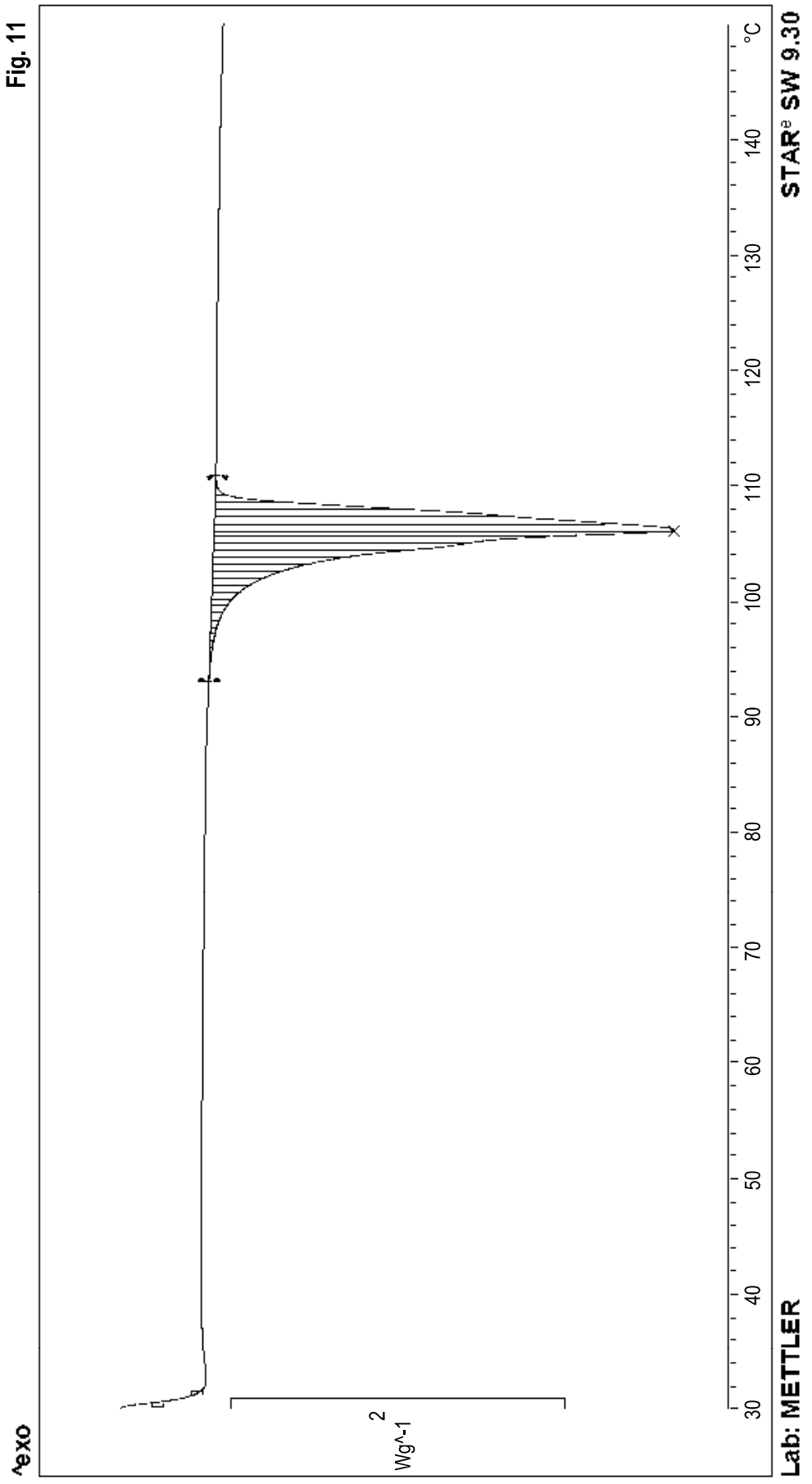

^exo
2
Wg^-1
30
40
50
60
70
80
90
100
110
120
130
140
°C
Lab: METTLER
STARe SW 9.30

Fig. 12

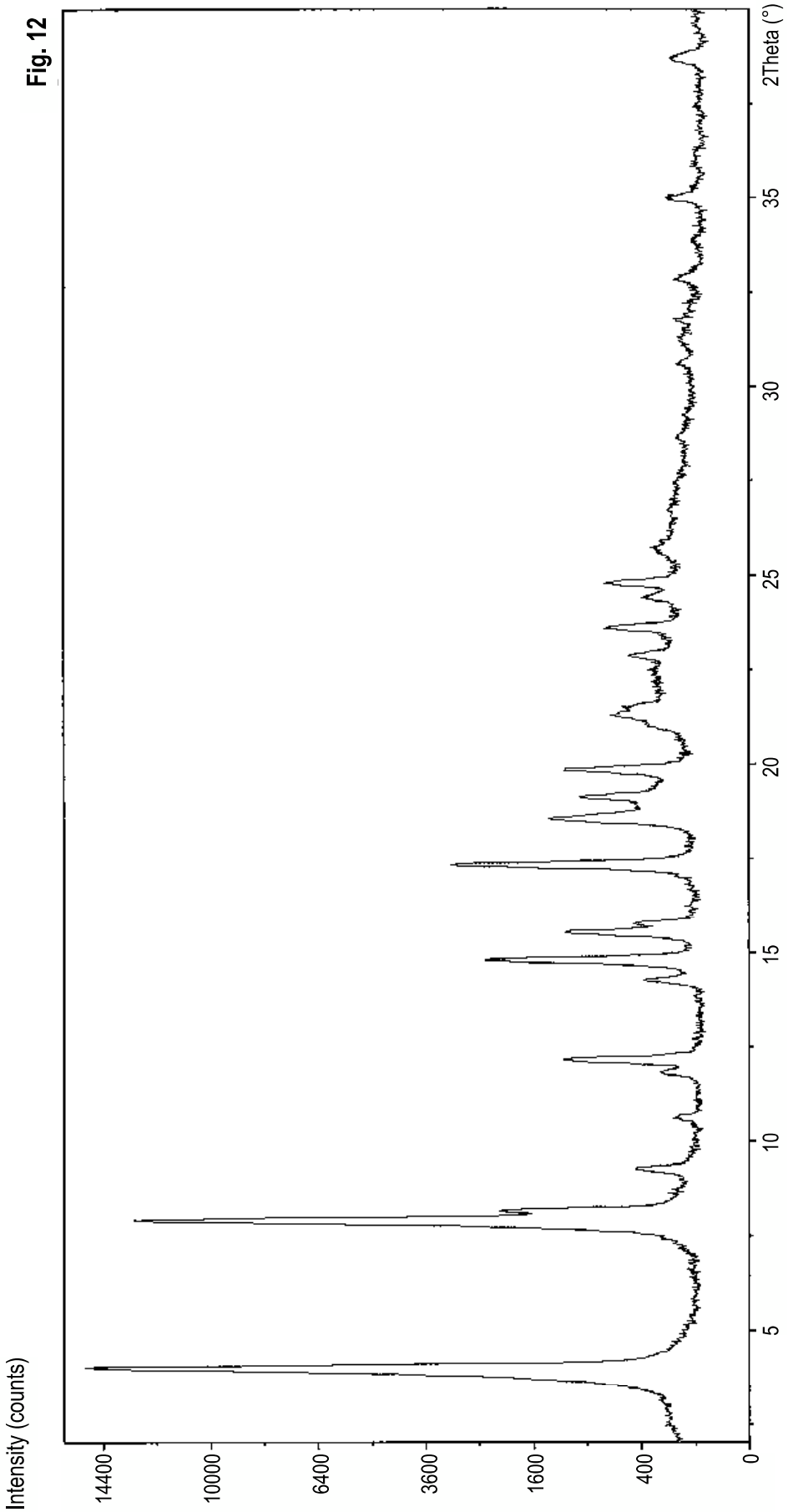

Intensity (counts)
14400
10000
6400
3600
1600
400
0
5
10
15
20
25
30
35
2Theta (°)

Fig. 13

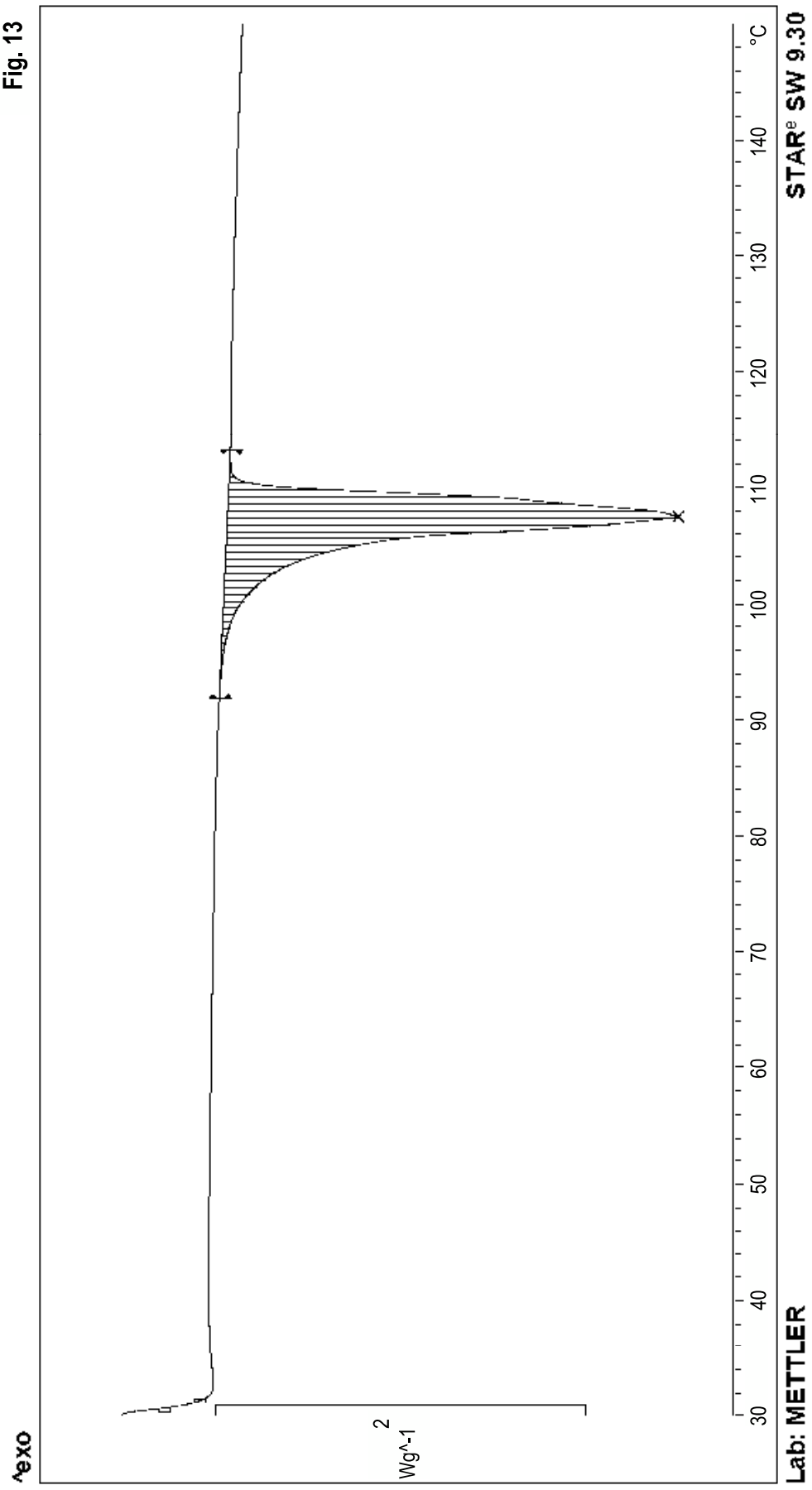

^exo
2
Wg^-1
30
40
50
60
70
80
90
100
110
120
130
140
°C
Lab: METTLER
STARe SW 9.30

Fig. 14

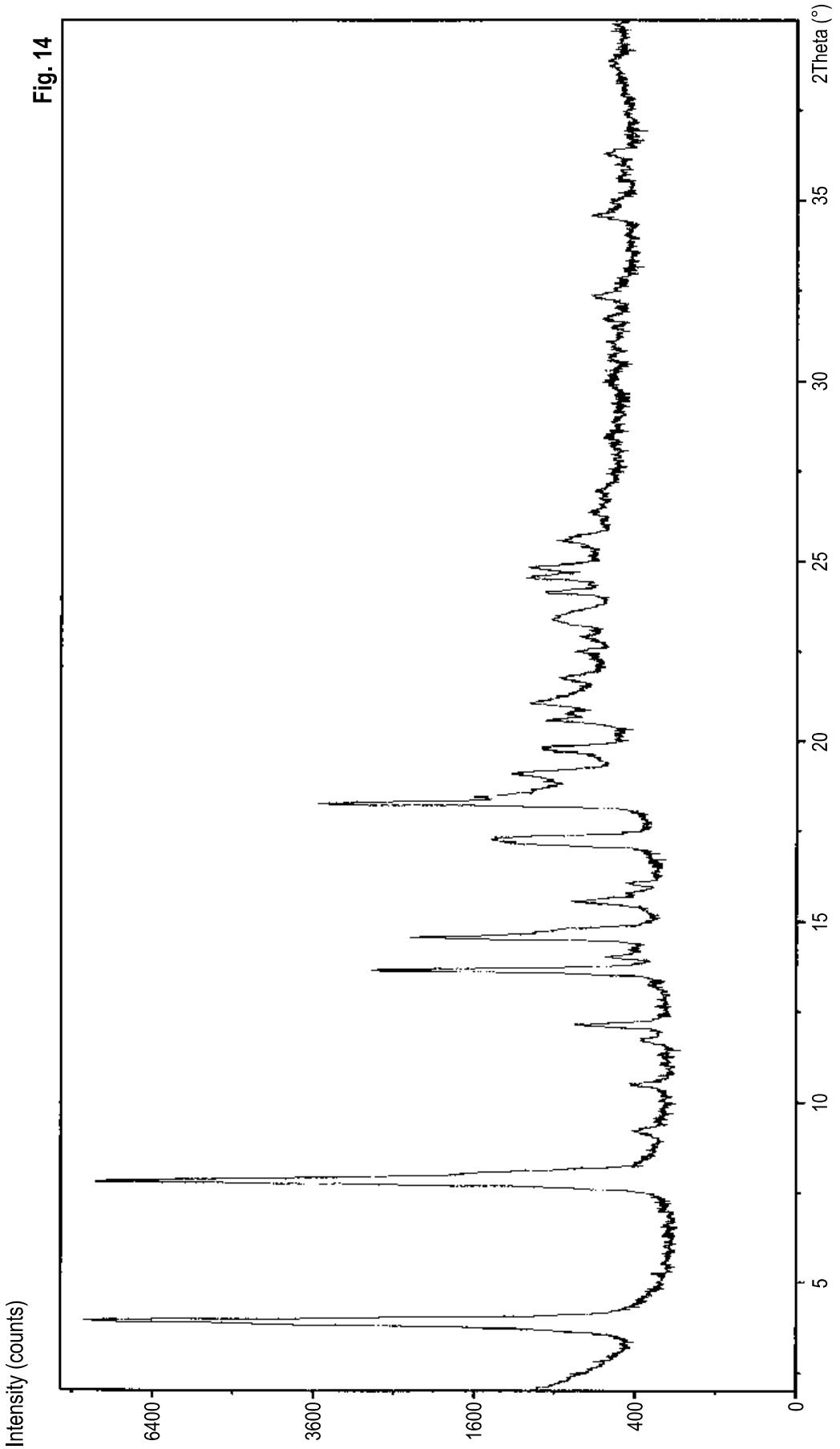

Intensity (counts)
6400
3600
1600
400
0
5
10
15
20
25
30
35
2Theta (°)

Fig. 15

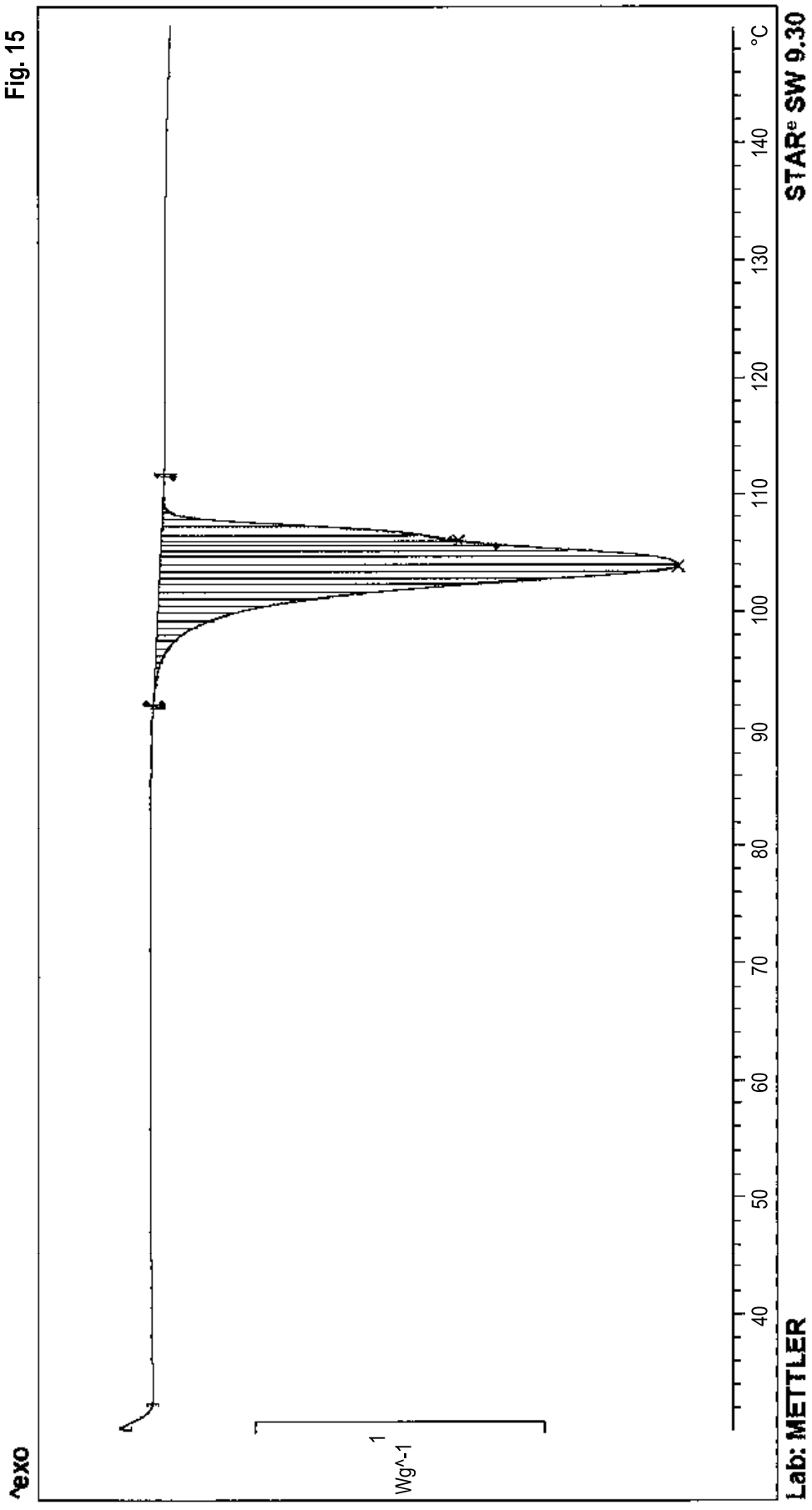

^exo
1
Wg^-1
40
50
60
70
80
90
100
110
120
130
140
°C
Lab: METTLER
STARe SW 9.30

Fig. 16

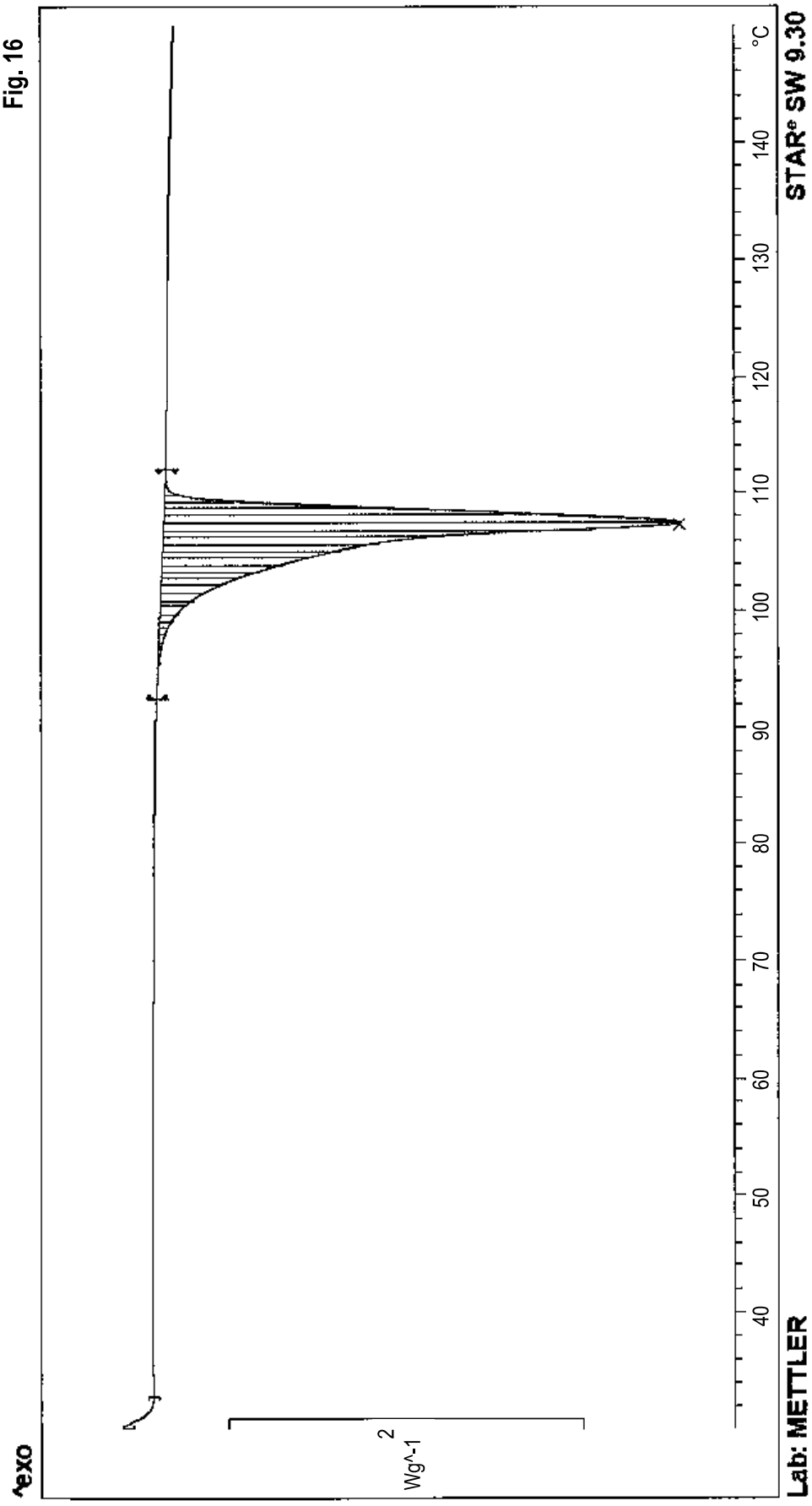

exo
2
Wg^-1
40
50
60
70
80
90
100
110
120
130
140
°C
Lab: METTLER
STARe SW 9.30

Fig. 17

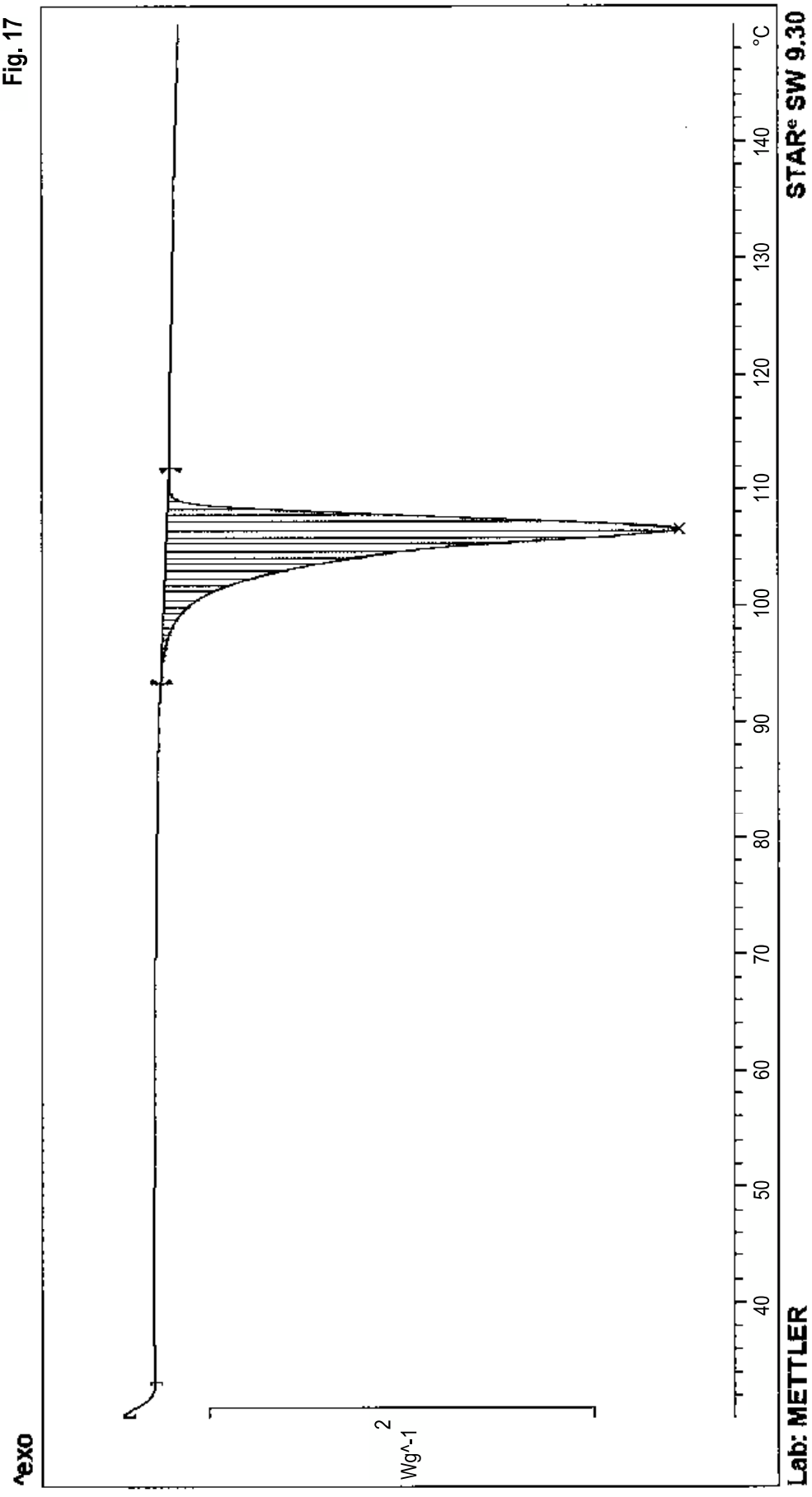

^exo
2
Wg^-1
40
50
60
70
80
90
100
110
120
130
140
°C
Lab: METTLER
STARe SW 9.30

Fig. 18

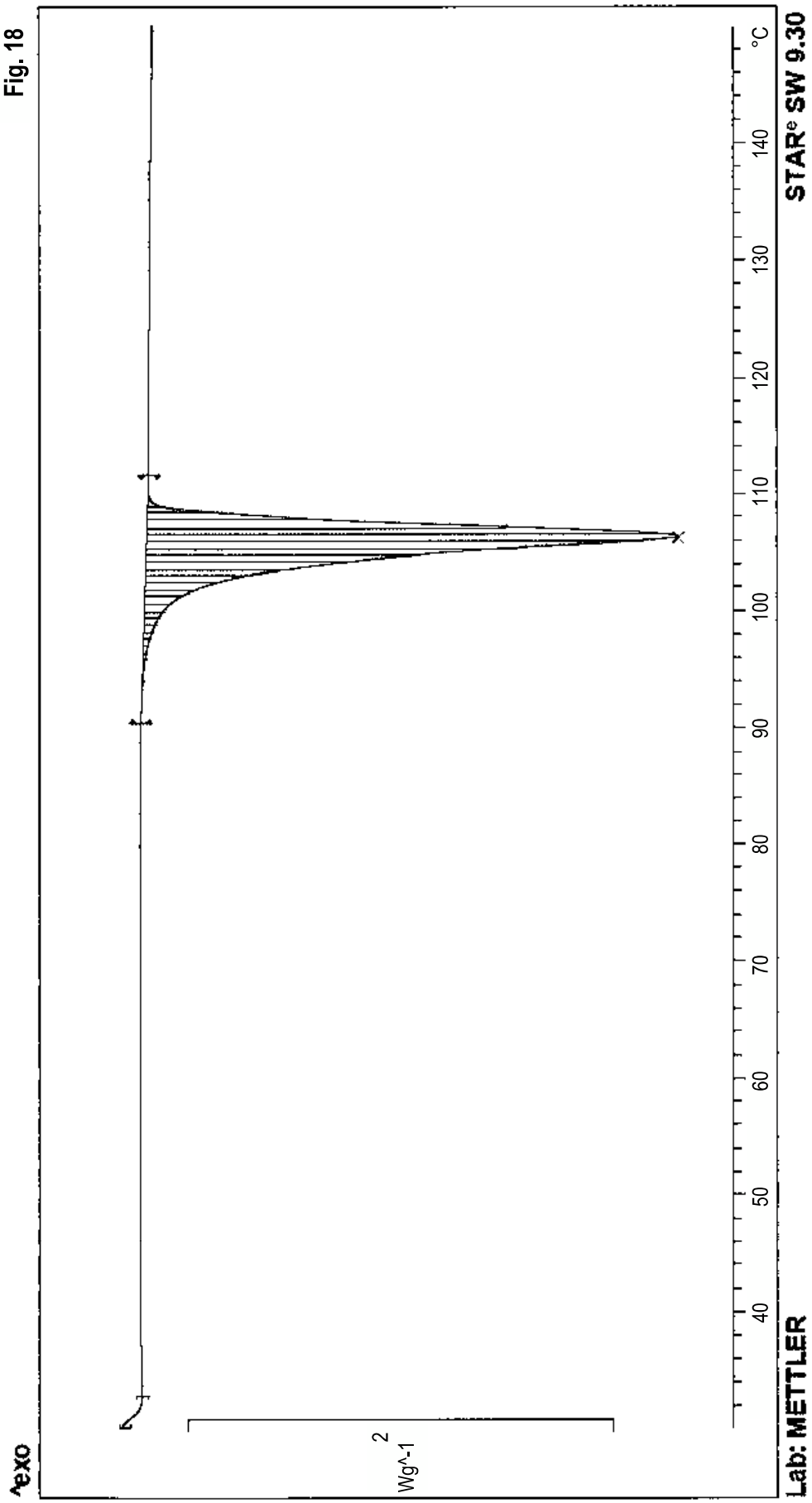

exo
2
Wg^-1
40
50
60
70
80
90
100
110
120
130
140
°C
Lab: METTLER
STARe SW 9.30

Fig. 19

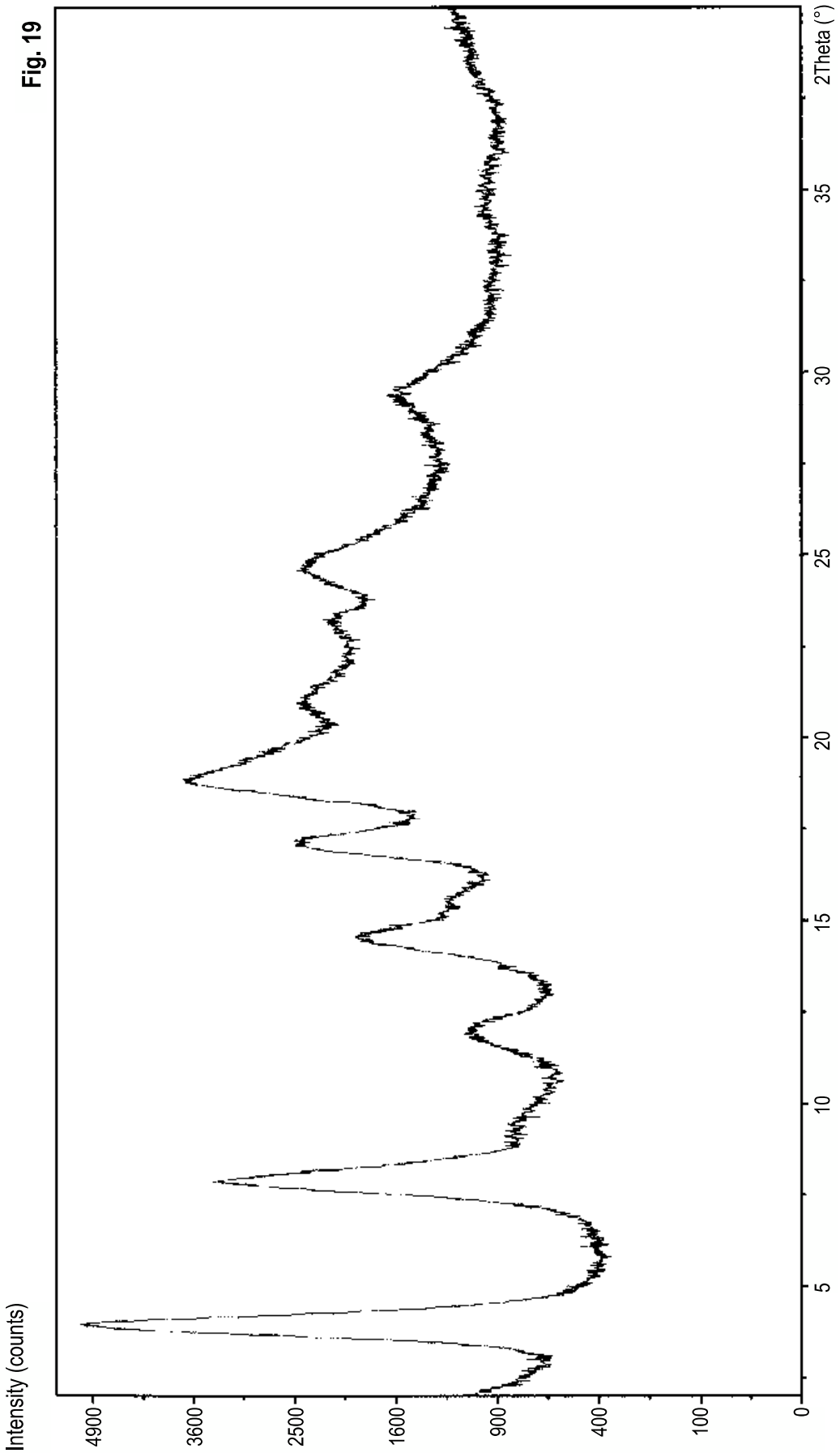

Intensity (counts)
4900
3600
2500
1600
900
400
100
0
5
10
15
20
25
30
35
2Theta (°)

Fig. 20

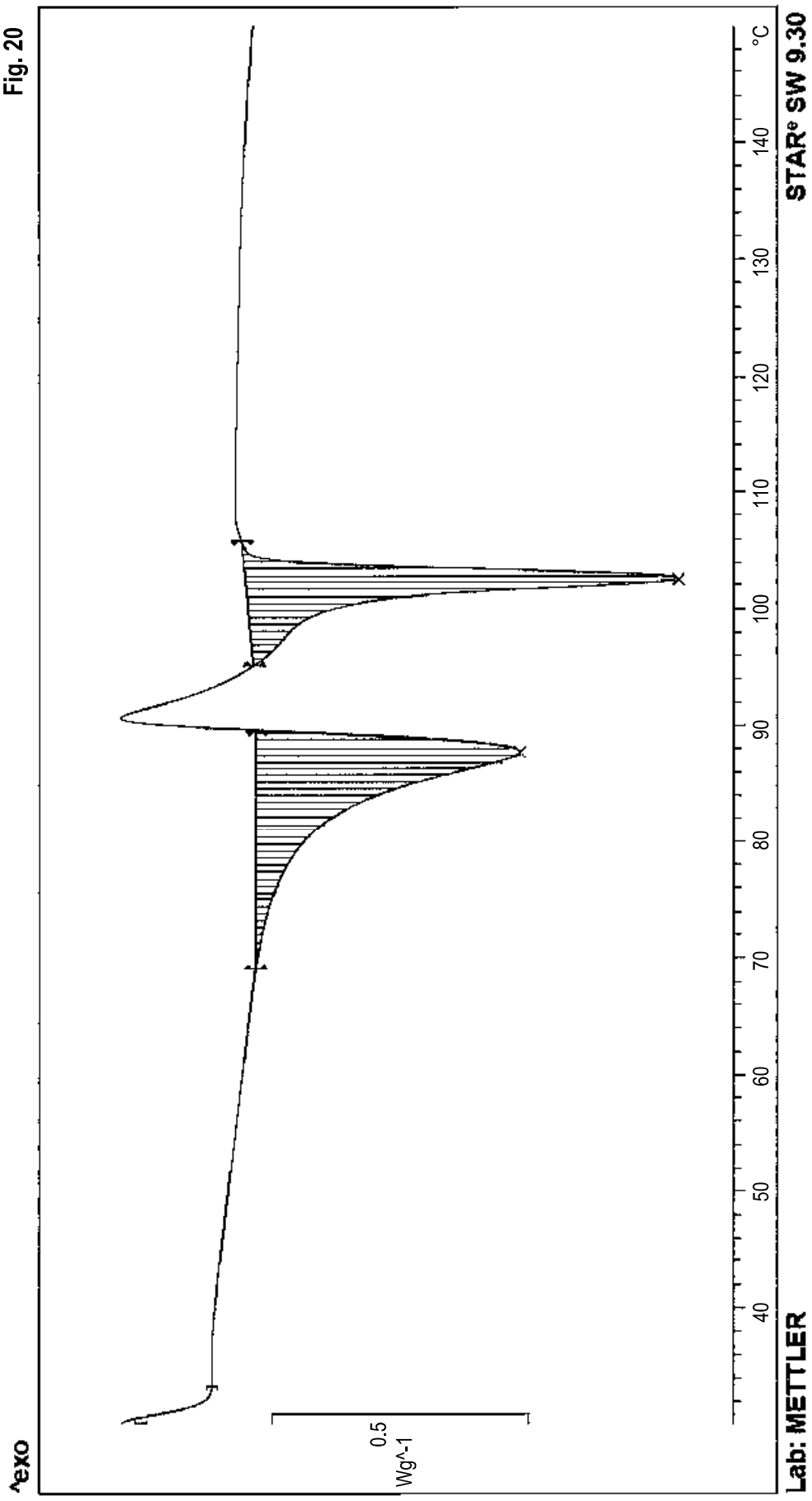
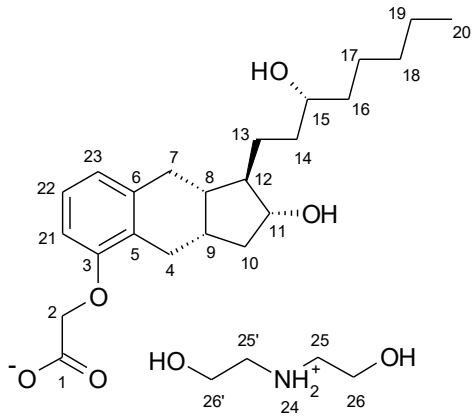

^exo
0.5
Wg^-1
40
50
60
70
80
90
100
110
120
130
140
°C
Lab: METTLER
STARe SW 9.30

Fig. 21



Numbering	^{13}C (ppm)	^{1}H (ppm)	Number of ^{1}H	Multiplicity	Coupling constant (Hz) (+/- 0.2Hz)
1	172.27	-	-	-	
2	67.18	4.27	2	s	
3	155.48	-	-	-	
4	25.72	4β: 2.735 4α: 2.40*	1 1	dd m (dd)	J_{4gem}=14.6; $J_{4\beta,9}$=6.2 $J_{4\alpha,9}$=6.8
5	126.43	-	-	-	
6	140.12	-	-	-	
7	33.49	7β: 2.66 7α: 2.37*	1 1	dd m (dd)	J_{7gem}=14.2; $J_{7\beta,8}$=6.2 $J_{7\alpha,8}$=6.7
8	40.57	1.74	1	m (dddd/tt)	$J_{8,9}$=10.0; $J_{8,12}$=9.0
9	32.50	2.09	1	m (ddddd)	
10	41.21	10β: 1.96 10α: 1.01	1 1	m (ddd/dt) m (ddd/dt)	J_{10gem}=11.8; $J_{9,10\beta}$~7.0; $J_{10\beta,11}$~6.2 $J_{9,10\alpha}$~$J_{10\alpha,11}$~10.2
11	75.51	3.47	1	m (td)	$J_{11,12}$~9.5
12	51.54	1.10	1	tt	$J_{12,13}$=6.1
13	28.37	13a: 1.605 13b: 1.31**	1 1	m (dq) m	
14	35.04	14a: 1.445** 14b: 1.42**	1 1	m m	
15	70.13	3.35	1	m (tt)	7.1, 4.1
16	37.04	16a: 1.34** 16b: 1.28**	1 1	m m	
17	24.94	17a: 1.37** 17b: 1.25**	1 1	m m	
18	31.52	18a: 1.26** 18b: 1.19**	1 1	m m	
19	22.16	1.27**	2	m	
20	13.95	0.865	3	t	$J_{19,20}$=7.0
21	109.42	6.61	1	d	$J_{21,22}$=8.2
22	125.64	6.98	1	t	$J_{22,23}$=7.4
23	119.69	6.68	1	d	
25, 25’	49.66	2.885	4	t	$J_{25,26}$=5.4
26, 26’	57.29	3.595	4	t	