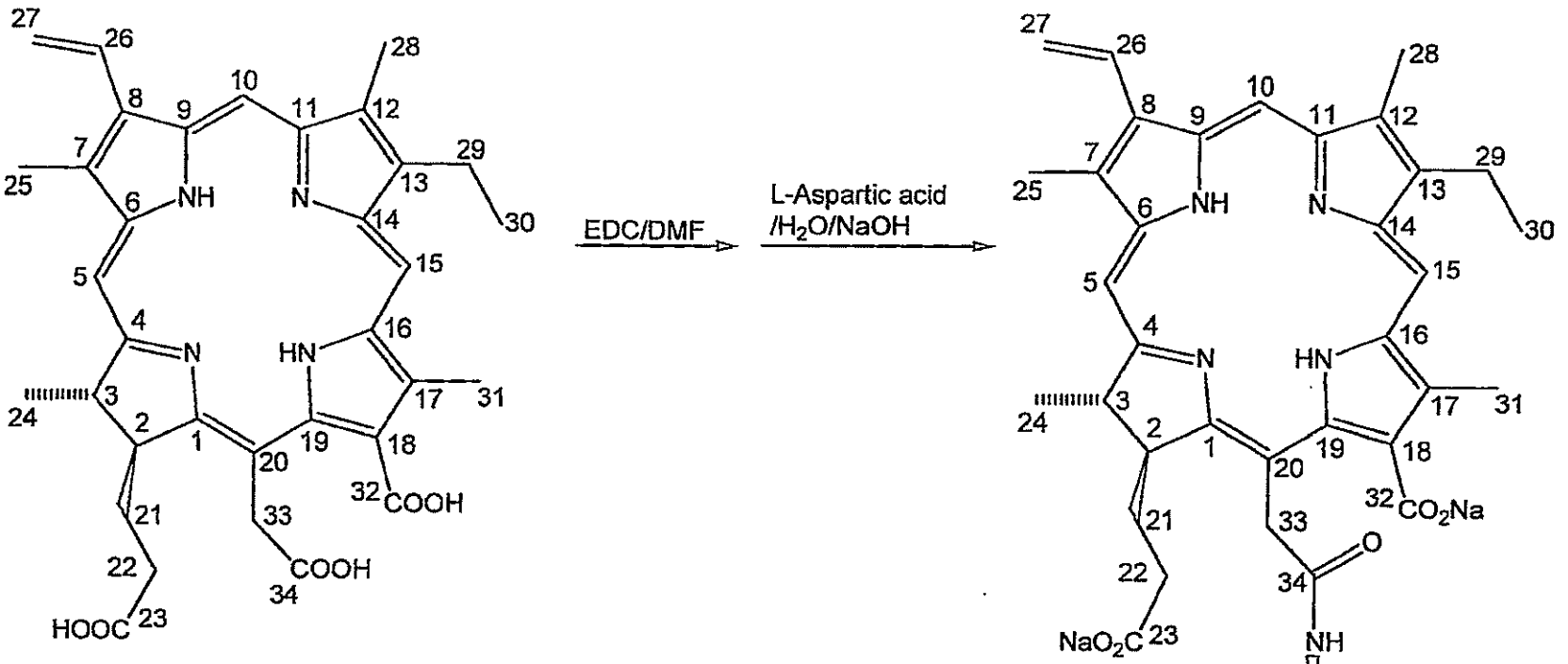

EDC/DMF
L-Aspartic acid
/H2O/NaOH
Chlorin e6
Talaporphin Sodium, LS11
1. Activation
2. Coupling

Fig. 1

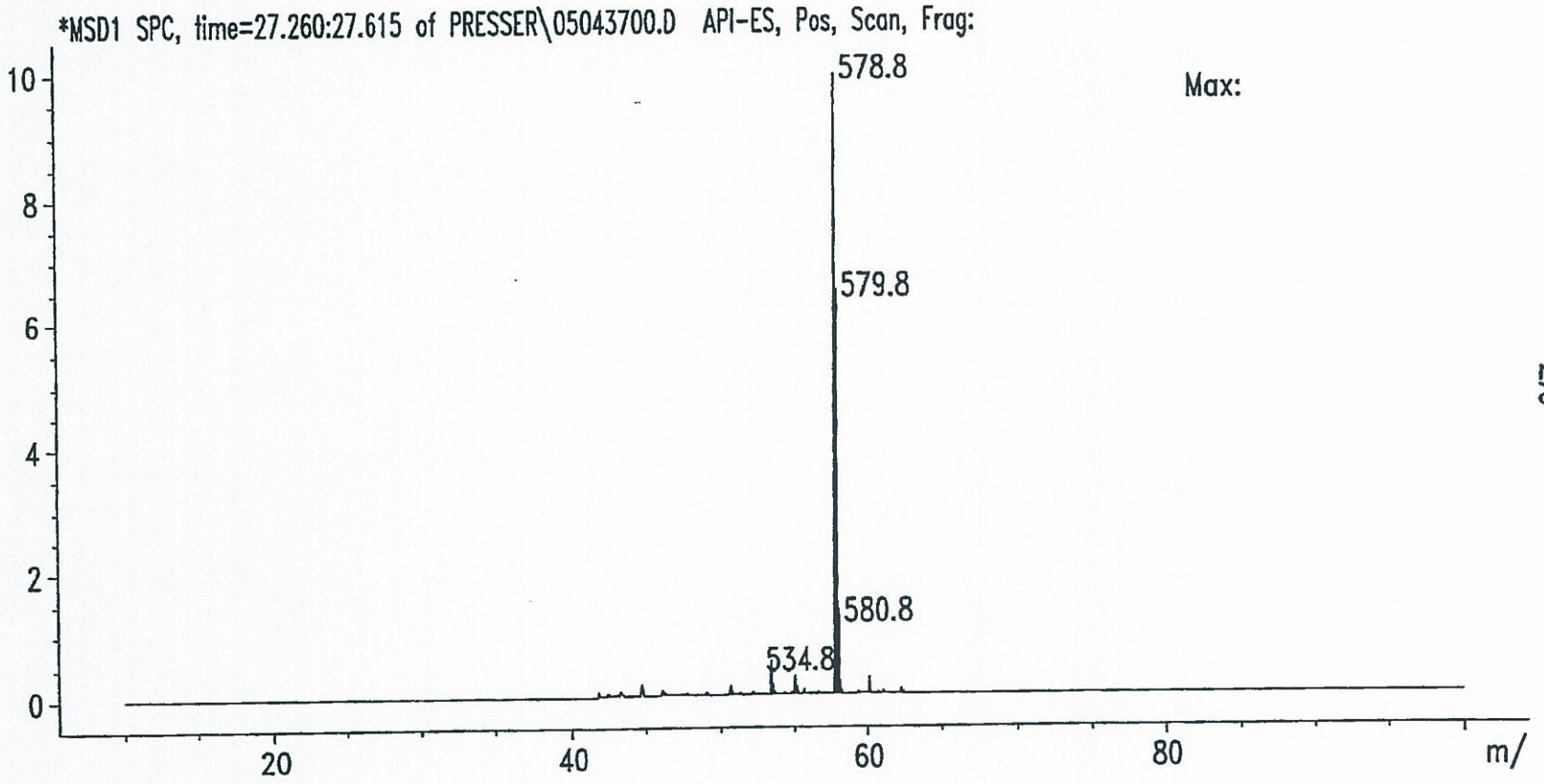

*MSD1 SPC, time=27.260:27.615 of PRESSER\05043700.D API-ES, Pos, Scan, Frag:
Max:
578.8
579.8
580.8
534.8
10
8
6
4
2
0
20
40
60
80
m/

FIG. 2A

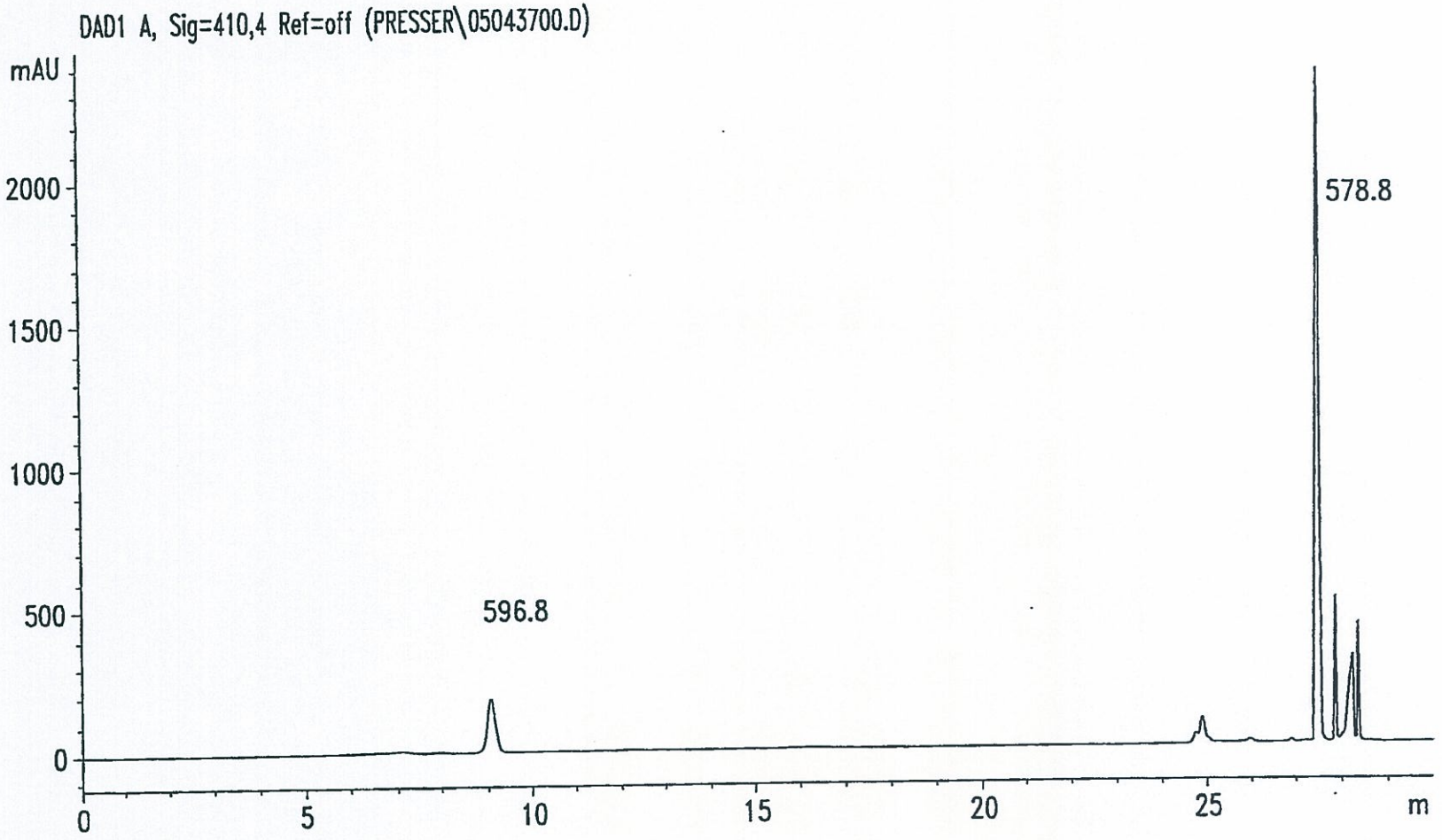

DAD1 A, Sig=410,4 Ref=off (PRESSER\05043700.D)
mAU
2000
1500
1000
500
0
596.8
578.8
0
5
10
15
20
25
m

FIG. 2B

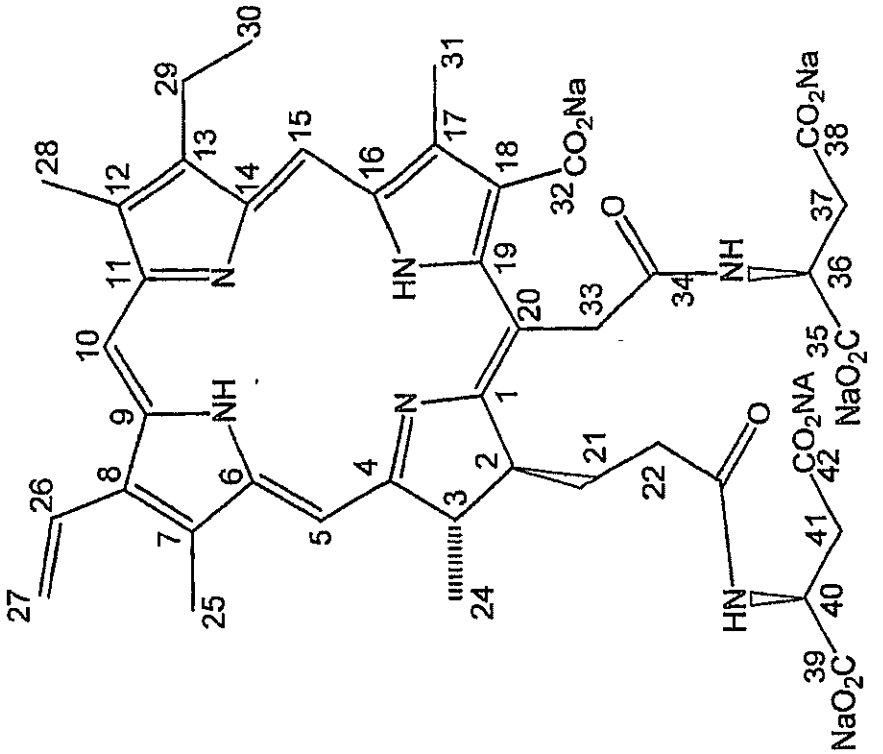

30
29
31
28
13
15
17
12
14
16
18
CO_2Na
32
O
11
N
HN
19
33
34
NH
CO_2Na
38
10
20
37
36
9
NH
N
1
35
NaO_2C
CO_2NA
8
4
2
21
O
42
26
6
3
22
41
7
5
40
27
25
24
HN
39
NaO_2C

Fig. 3

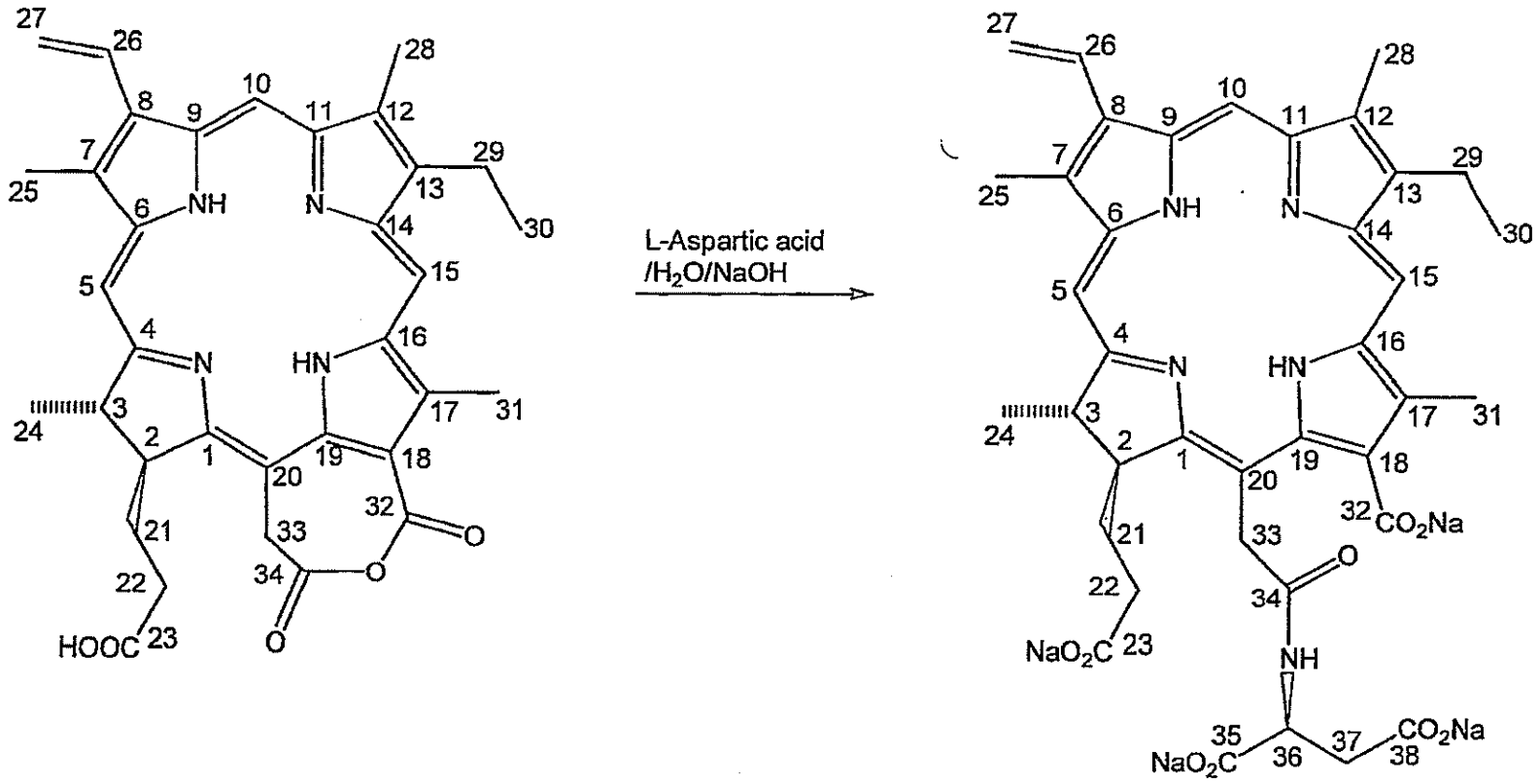


Fig. 4

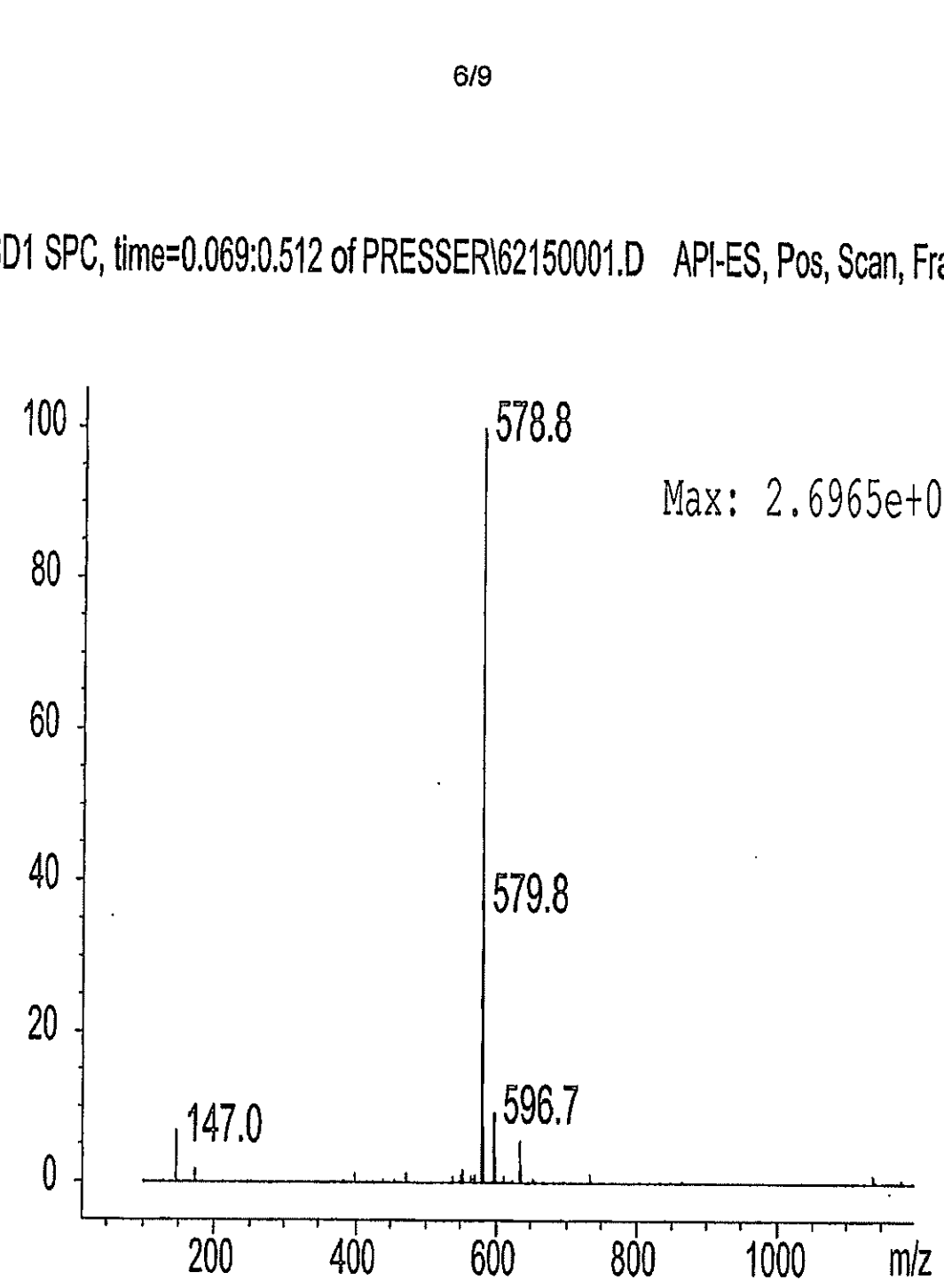

*MSD1 SPC, time=0.069:0.512 of PRESSER\62150001.D API-ES, Pos, Scan, Frag: Var
100
80
60
40
20
0
578.8
Max: 2.6965e+006
579.8
596.7
147.0
200
400
600
800
1000
m/z

FIG. 5

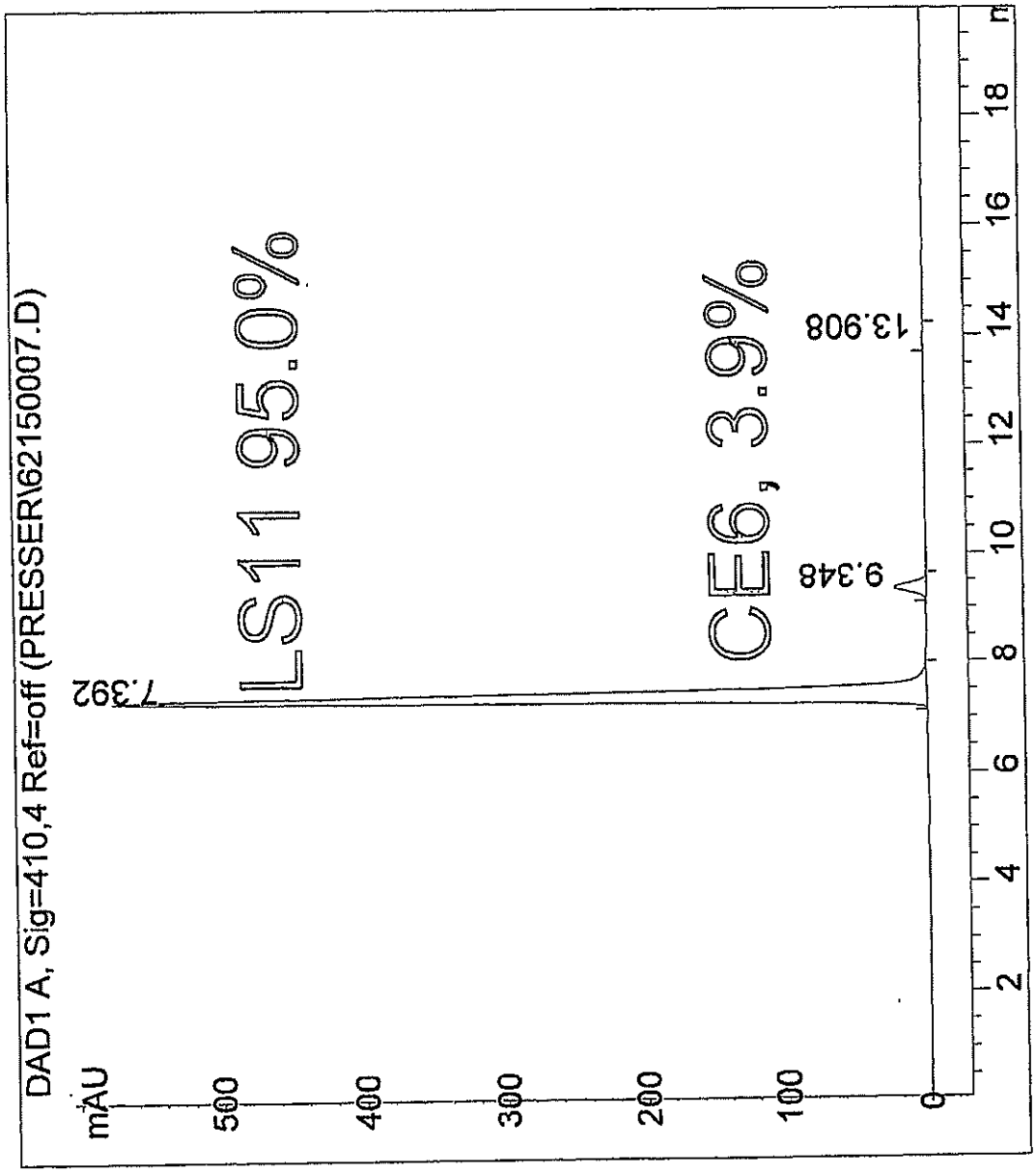

DAD1 A, Sig=410,4 Ref=off (PRESSER\62150007.D)
mAU
500
400
300
200
100
0
7.392
LS11 95.0%
9.348
CE6, 3.9%
13.908
2
4
6
8
10
12
14
16
18
n

Fig. 6

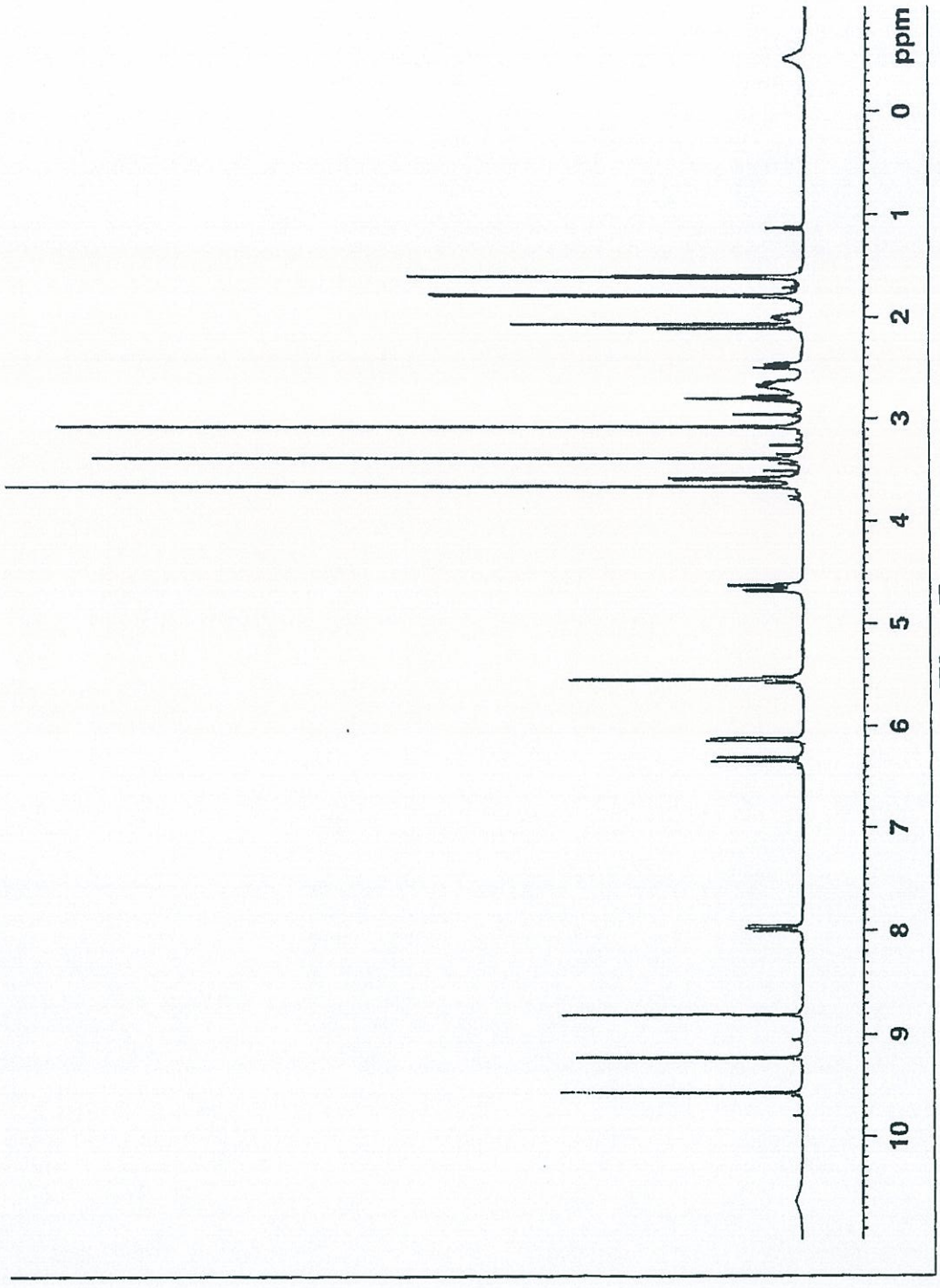


Fig. 7

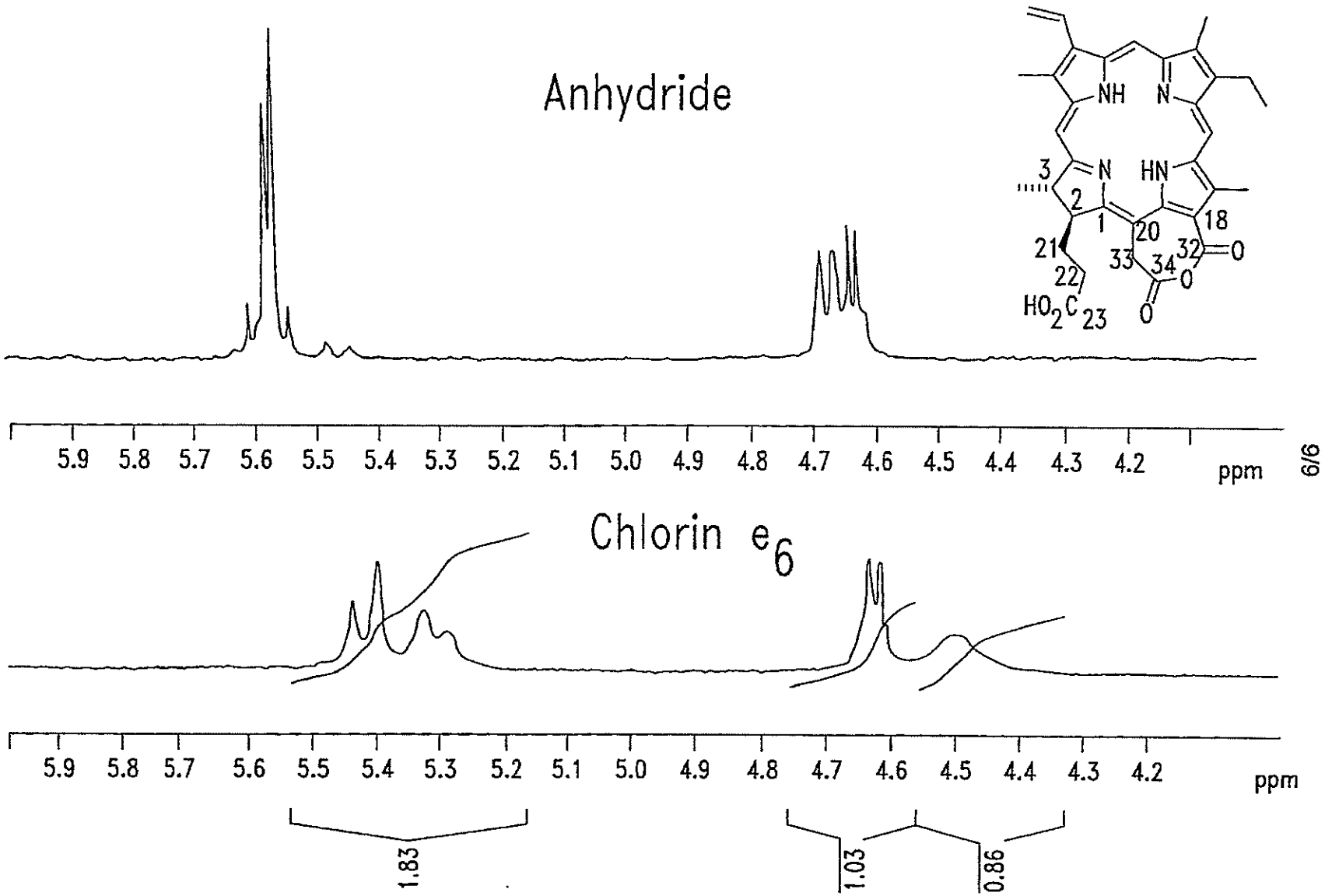

Anhydride
NH
N
3
N
HN
2
1
20
18
21
33
34
32
O
22
O
HO_2C 23
O
5.9 5.8 5.7 5.6 5.5 5.4 5.3 5.2 5.1 5.0 4.9 4.8 4.7 4.6 4.5 4.4 4.3 4.2
ppm
6/6
Chlorin e_6
5.9 5.8 5.7 5.6 5.5 5.4 5.3 5.2 5.1 5.0 4.9 4.8 4.7 4.6 4.5 4.4 4.3 4.2
ppm
1.83
1.03
0.86

FIG. 8