

In two steps from simple *meso*-tetraphenylporphyrin to its derivatives exhaustively β -substituted at the ‘Eastern half’

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Copies of spectra

1) Figure S1. ^1H NMR spectrum of product 3	S2
2) Figure S2. UV/VIS spectrum of product 3	S3
3) Figure S3. MS spectrum of product 3 (FD technique)	S3
4) Figure S4. MS spectrum of product 3 (molecular ion)	S4
5) Figure S5. ^1H NMR spectrum of product 4	S5
6) Figure S6. UV/VIS spectrum of product 4	S6
7) Figure S7. MS spectrum of product 4 (FD technique; positive ions mode) ..	S6
8) Figure S8. UV/VIS spectrum of product 5	S7
9) Figure S9. MS spectrum of product 5 (FD technique; positive ions mode) ...	S8
10) Figure S10. ^1H NMR spectrum of product 6	S9
11) Figure S11. ^1H NMR spectrum of product 6 (range: 6.80–8.60 ppm)	S10
12) Figure S12. UV/VIS spectrum of product 6	S10
13) Figure S13. MS spectrum of product 6 (FD technique; positive ions mode) .	S11
14) Figure S14. UV/VIS spectrum of product 8	S12
15) Figure S15. MS spectrum of product 8 (FD technique; positive ions mode) .	S13

[2,7-Dinitro-3,8-bis(*p*-tolylsulfonylmethyl)-5,10,15,20-tetraphenylporphyrinato]zinc(II) (3)

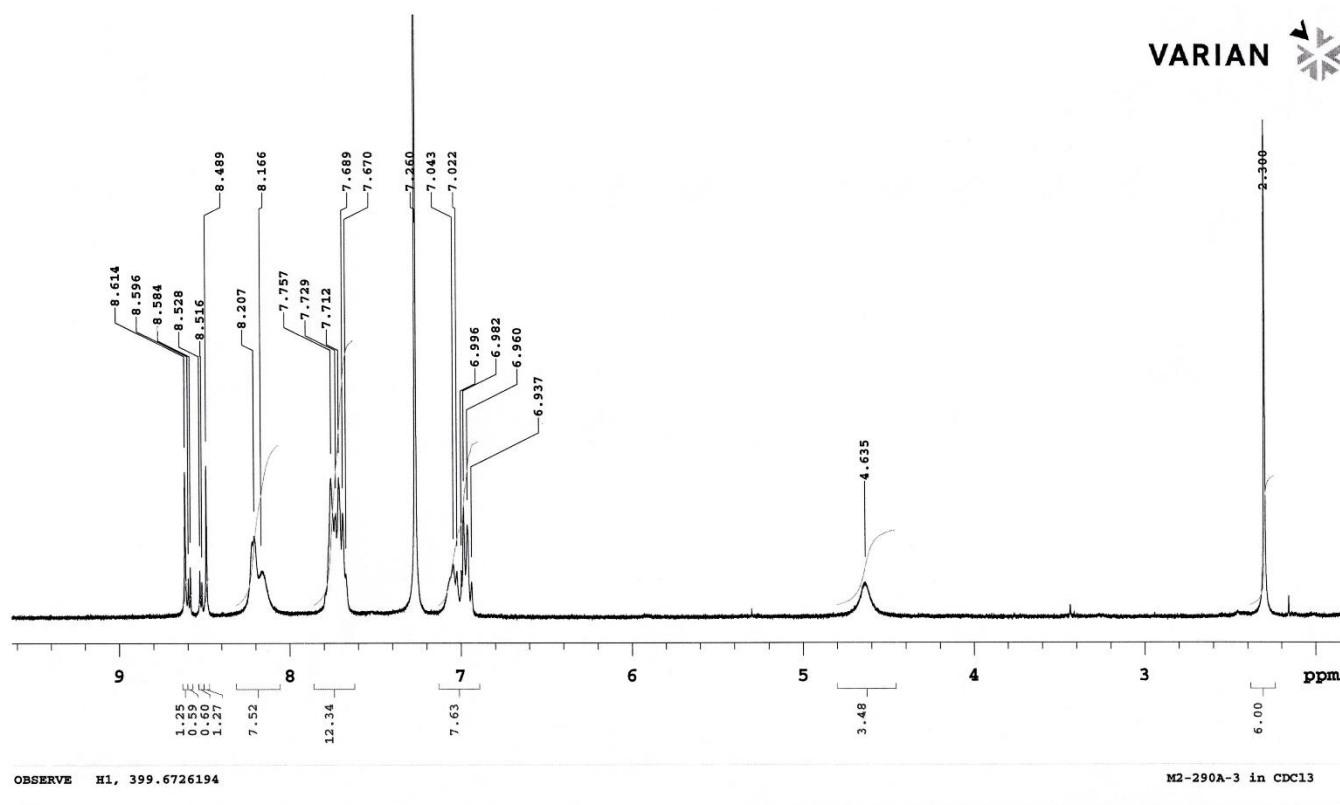
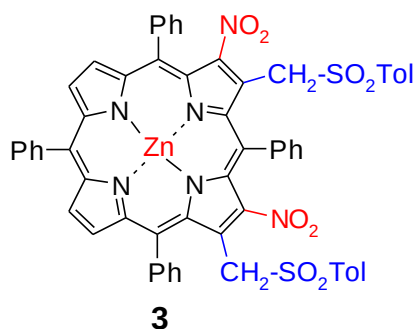


Figure S1. ^1H NMR spectrum of product **3**.

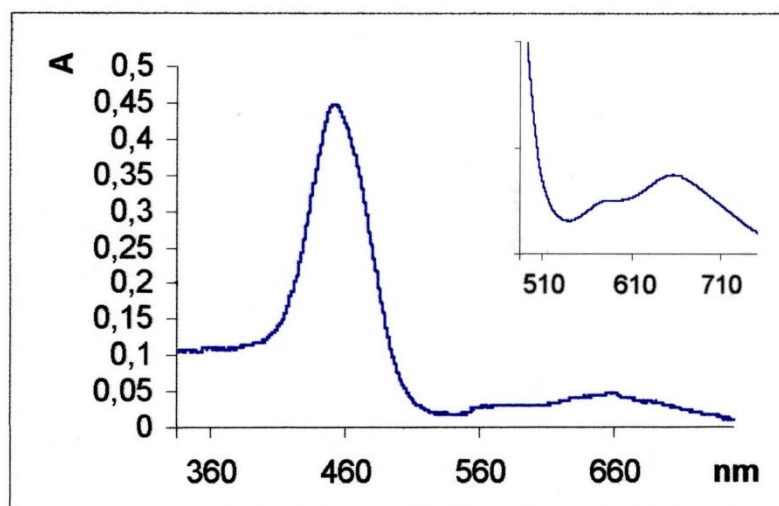


Figure S2. UV/VIS spectrum of product **3**.

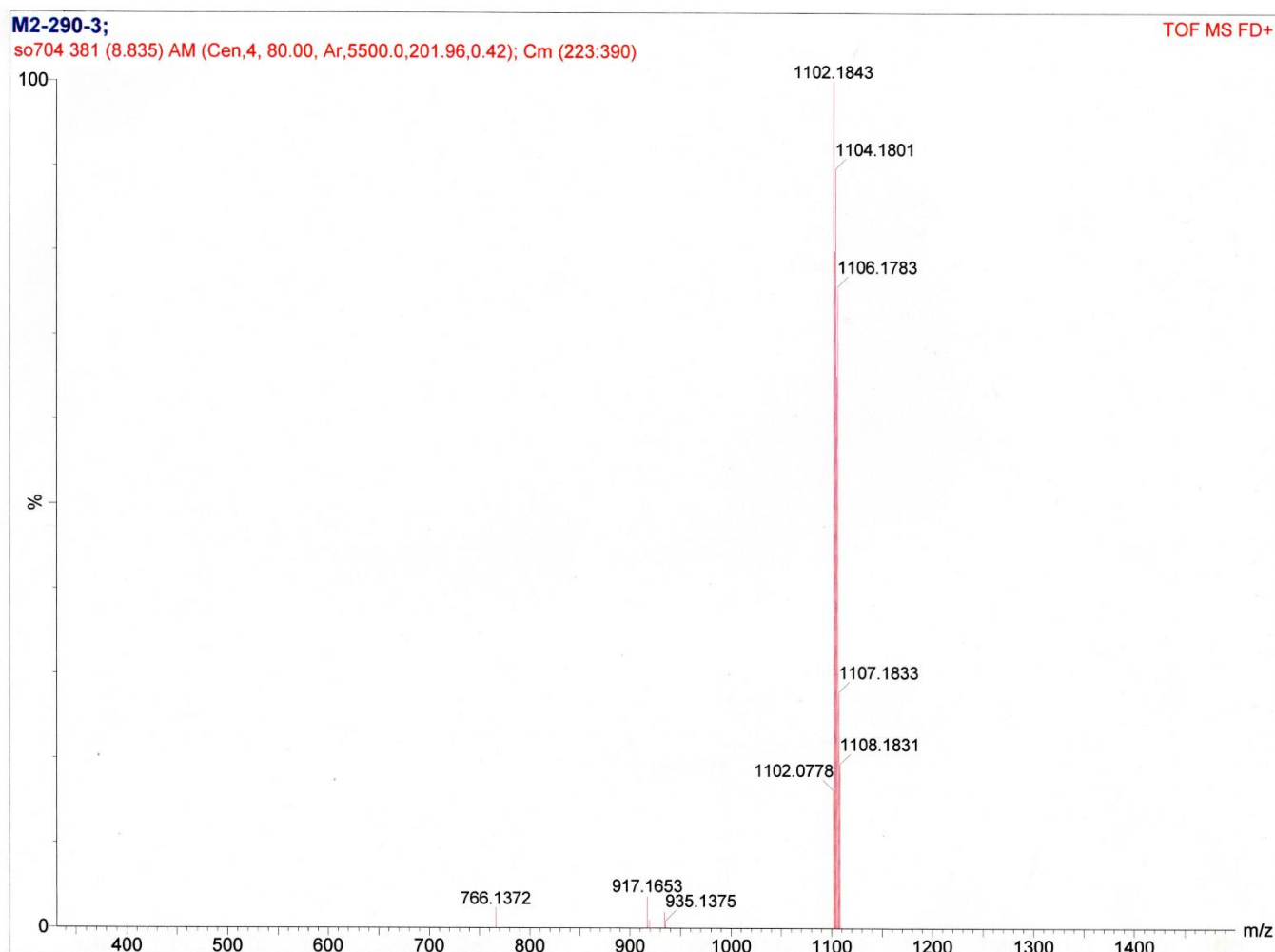


Figure S3. MS spectrum of product **3** (FD technique).

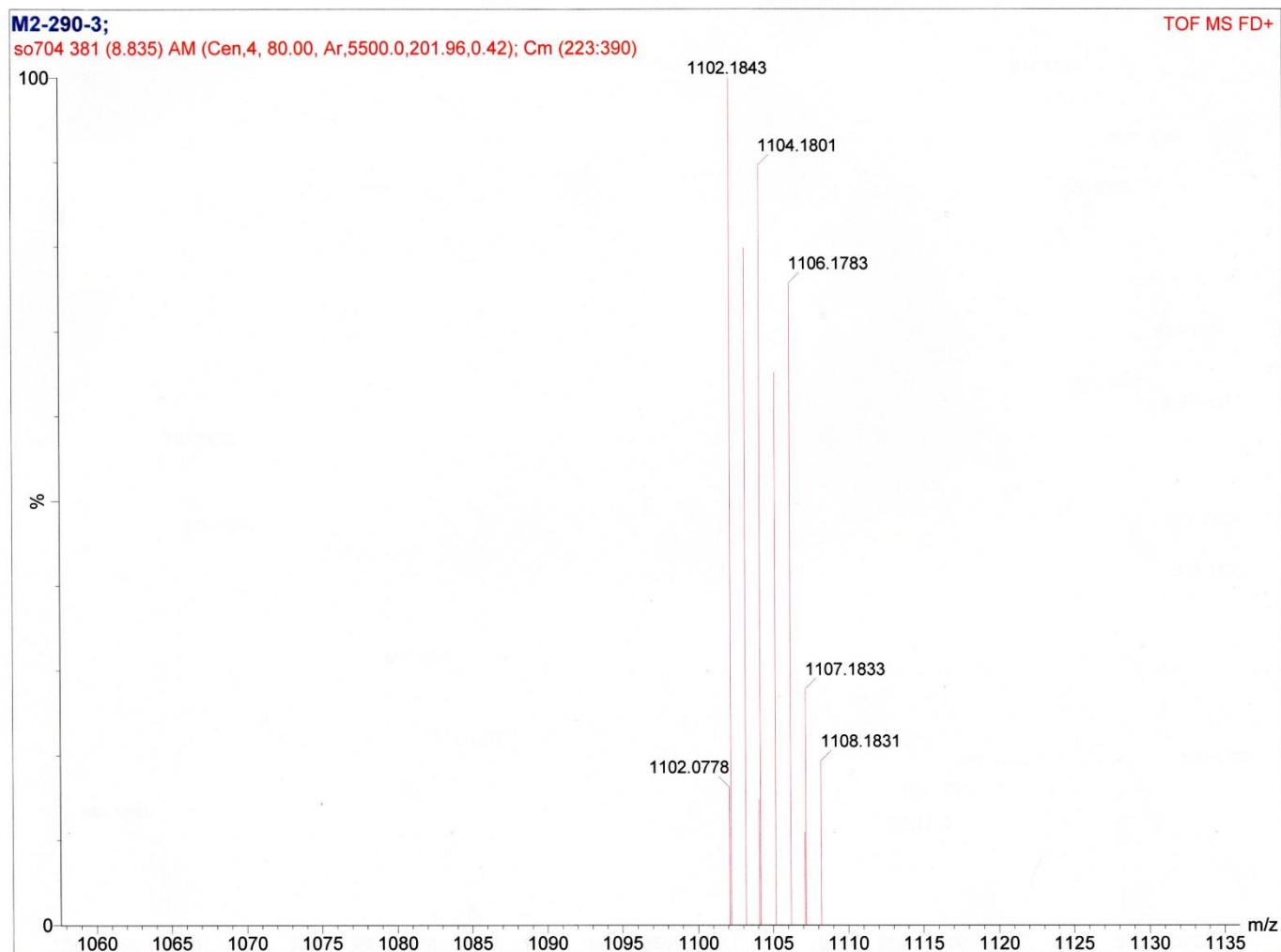
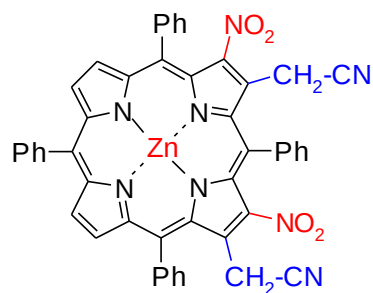


Figure S4. MS spectrum of product **3** (molecular ion).

[2,7-Dinitro-3,8-bis(cyanomethyl)-5,10,15,20-tetraphenylporphyrinato]zinc(II) (4)



4

M2-350 in CDCl₃

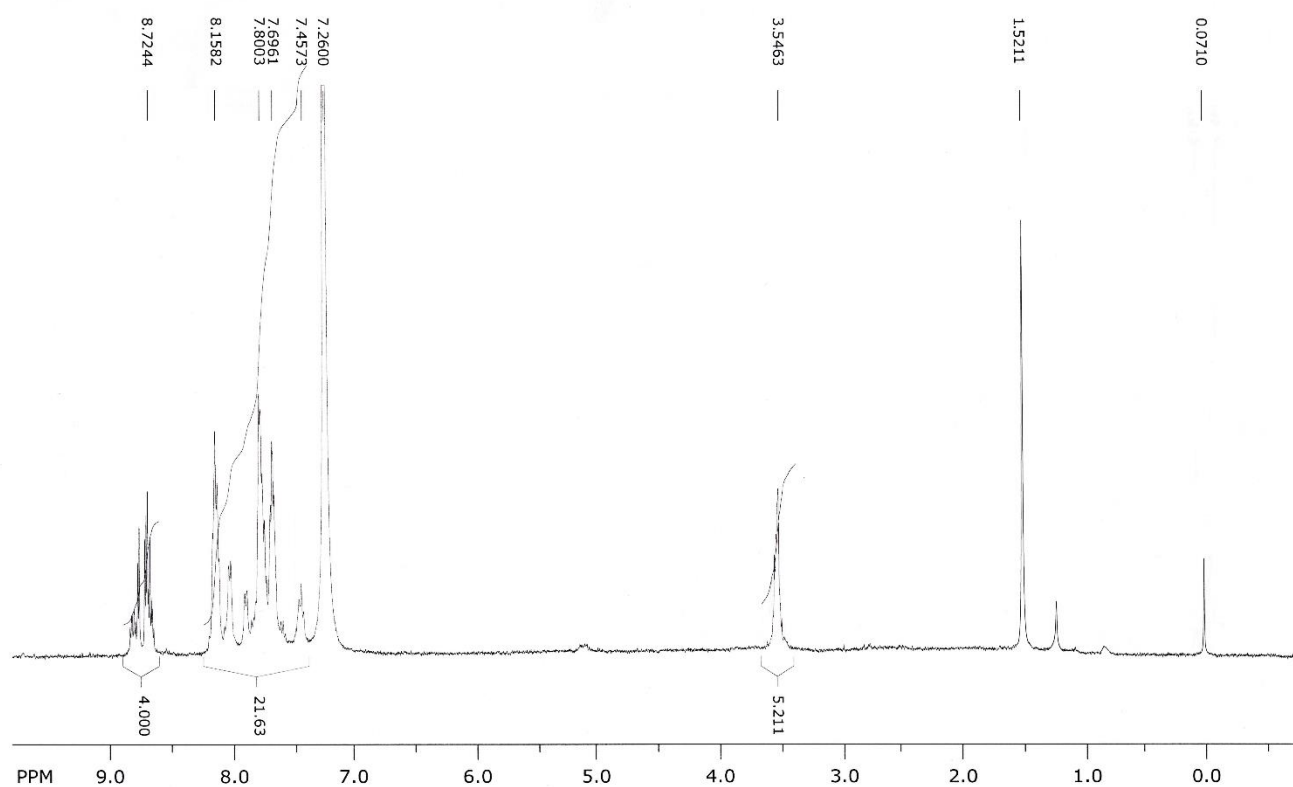


Figure S5. ¹H NMR spectrum of product **4**.

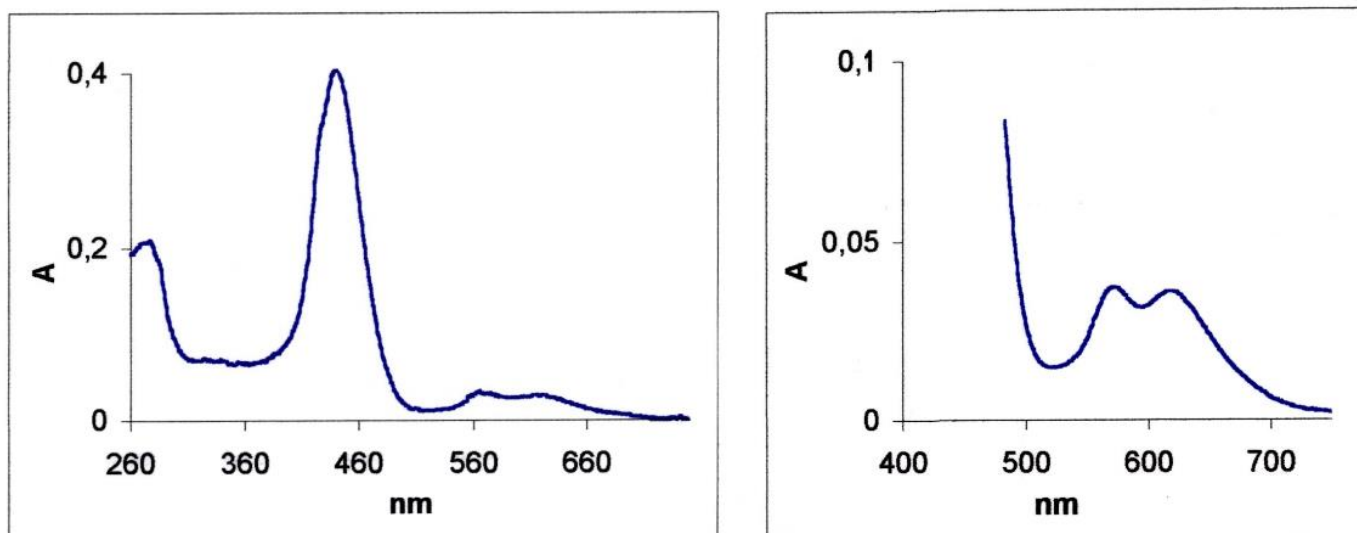


Figure S6. UV/VIS spectrum of product 4.

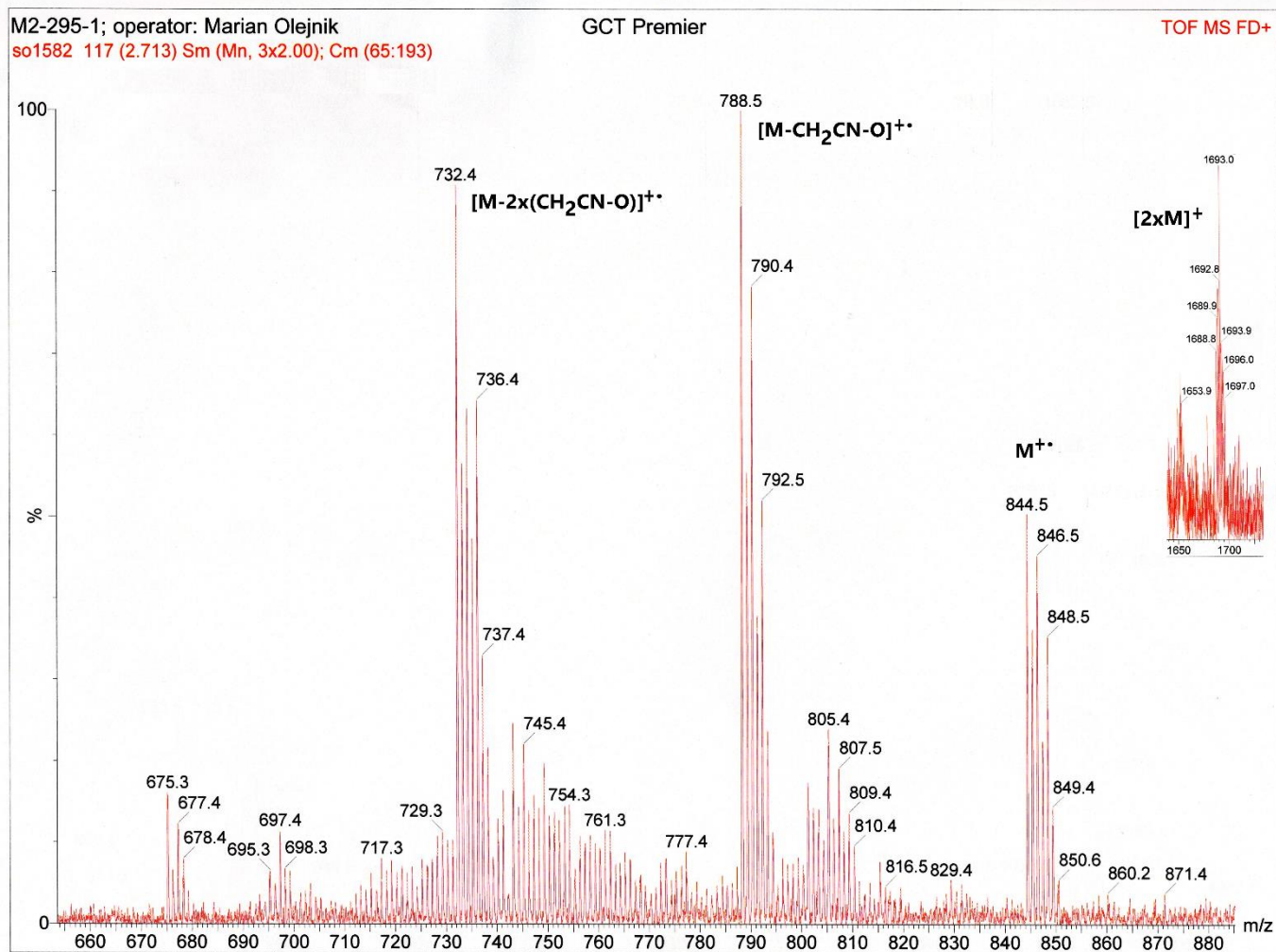


Figure S7. MS spectrum of product 4 (FD technique; positive ions mode).

**[3,7-Dinitro-2,8-bis(*p*-tolylsulfonylmethyl)-
5,10,15,20-tetraphenylporphyrinato]copper(II) (5)**

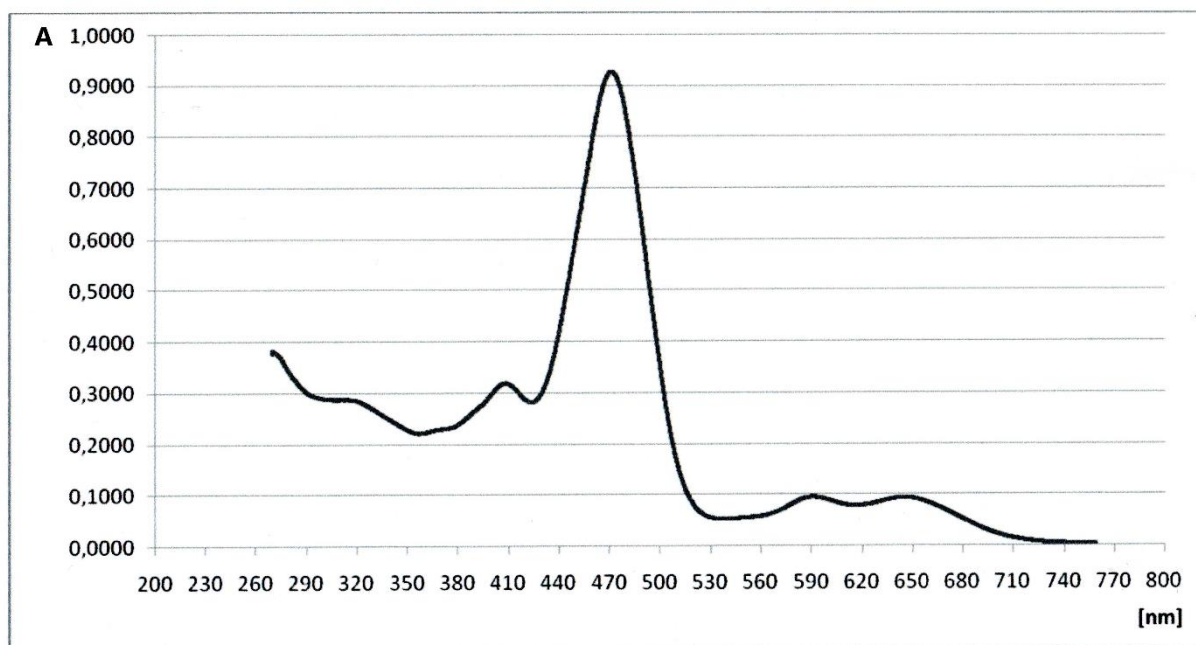
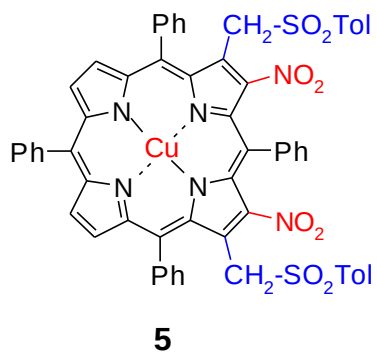


Figure S8. UV/VIS spectrum of product **5**.

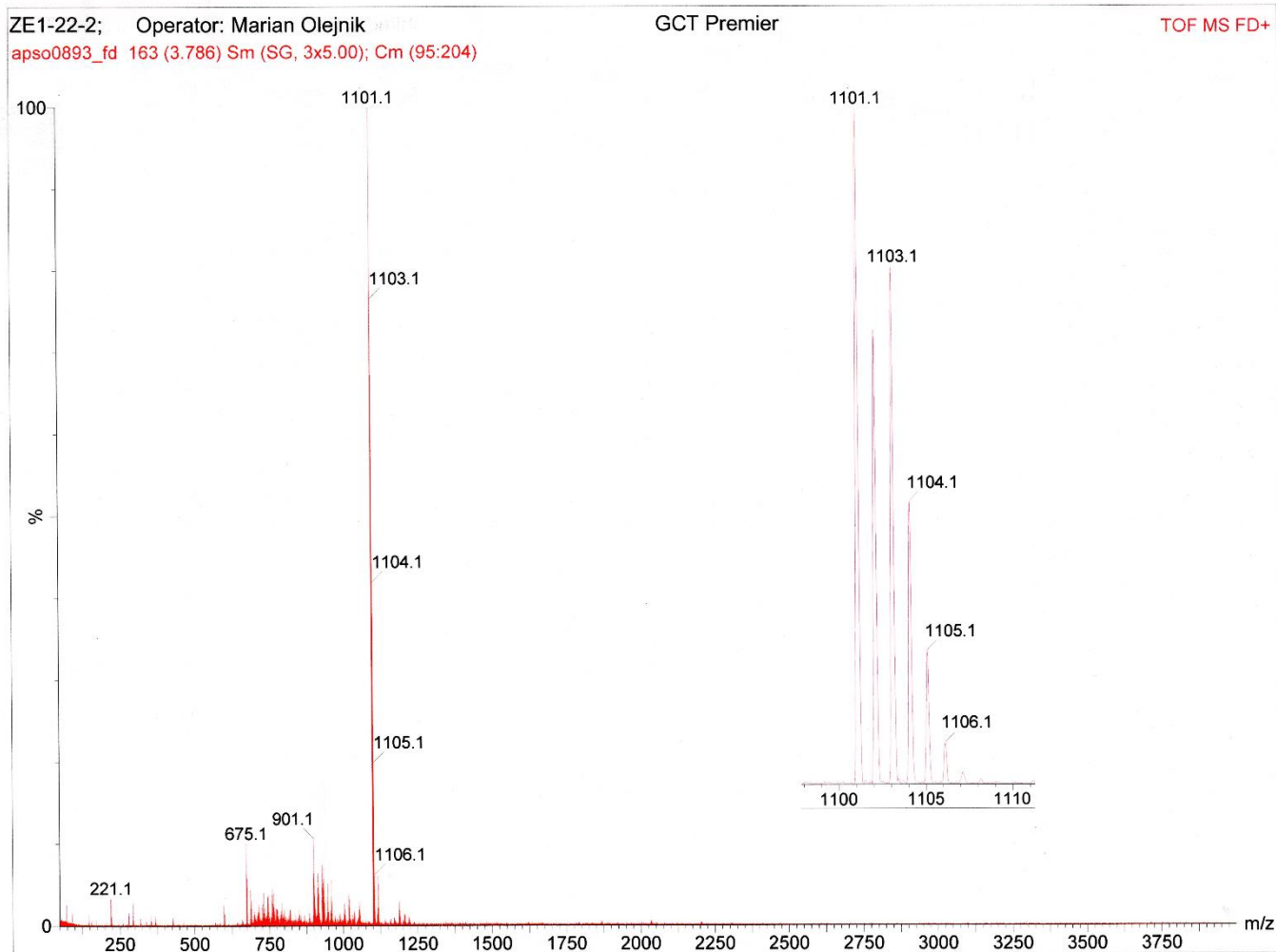
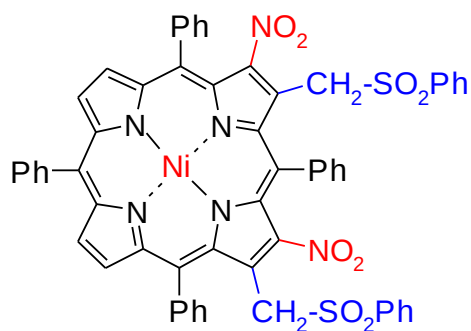


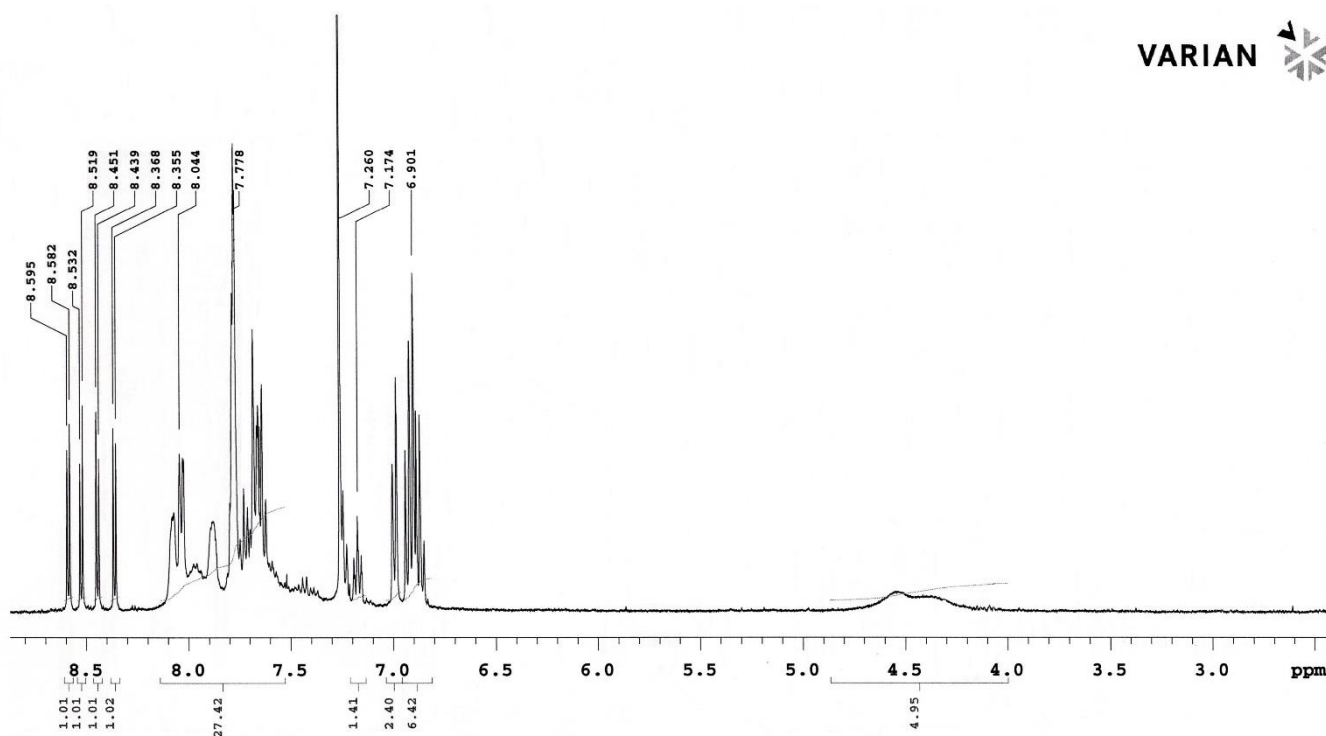
Figure S9. MS spectrum of product **5** (FD technique; positive ions mode).

[2,7-Dinitro-3,8-bis(phenylsulfonylmethyl)-5,10,15,20-tetraphenylporphyrinato]nickel(II) (6)



6

VARIAN 



OBSERVE H1, 399.6790751

Sample Name: KAl-27 in CDCl3

Figure S10. ^1H NMR spectrum of product **6**.

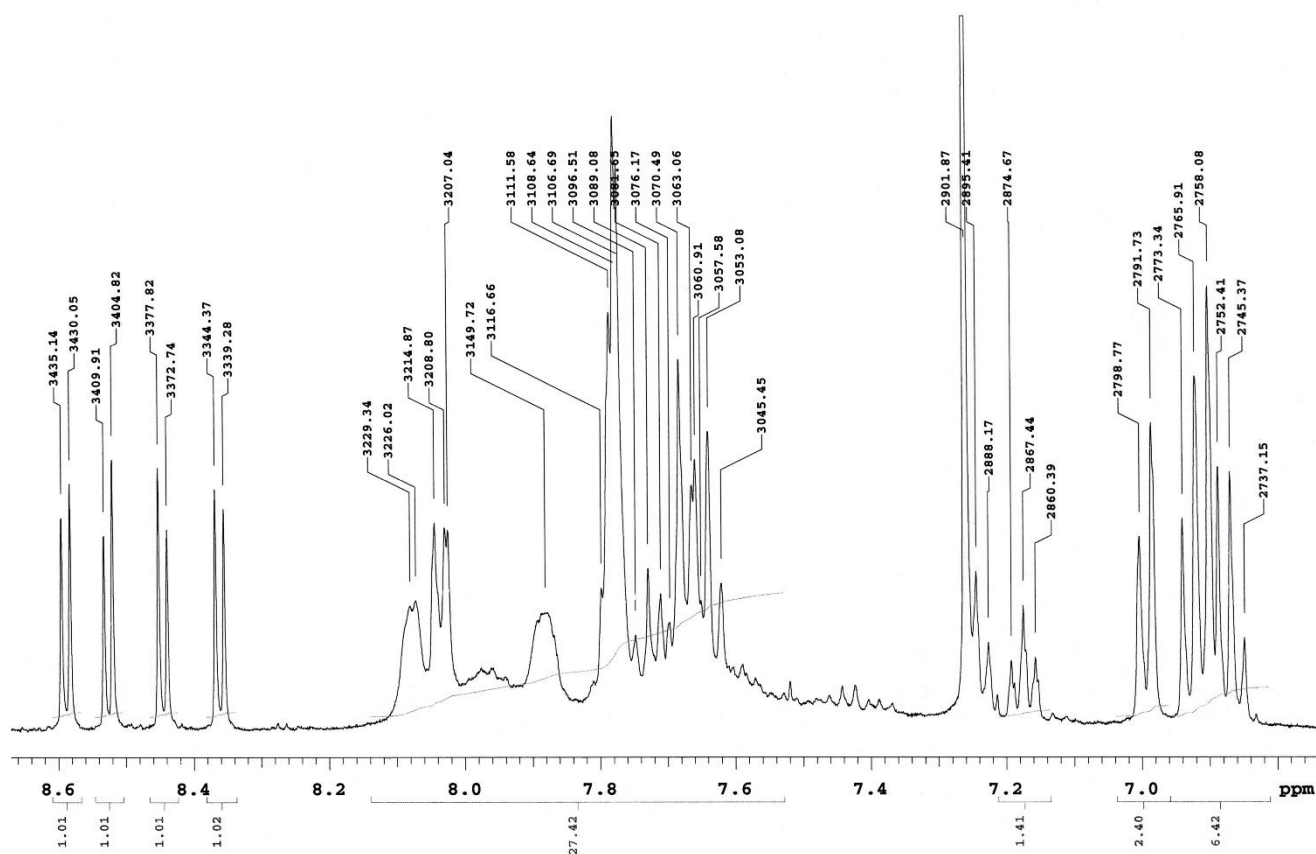


Figure S11. ¹H NMR spectrum of product 6 (range: 6.80–8.60 ppm).

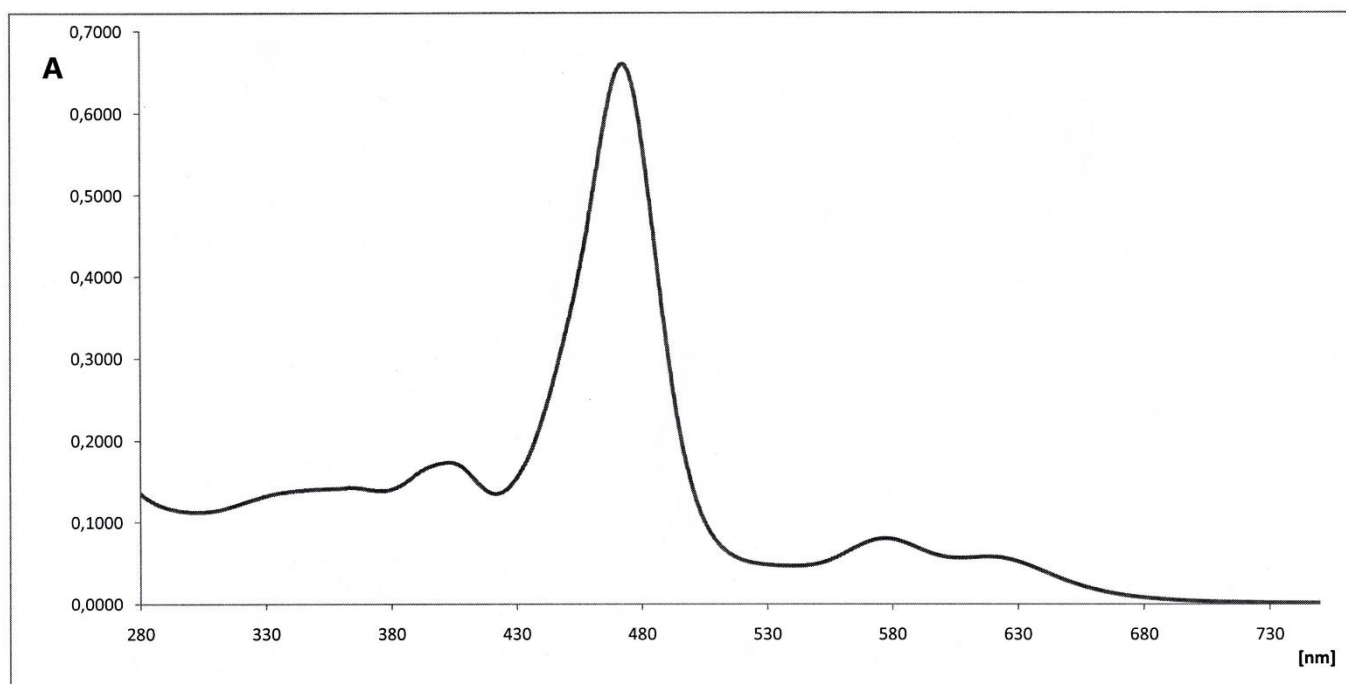


Figure S12. UV/VIS spectrum of product 6.

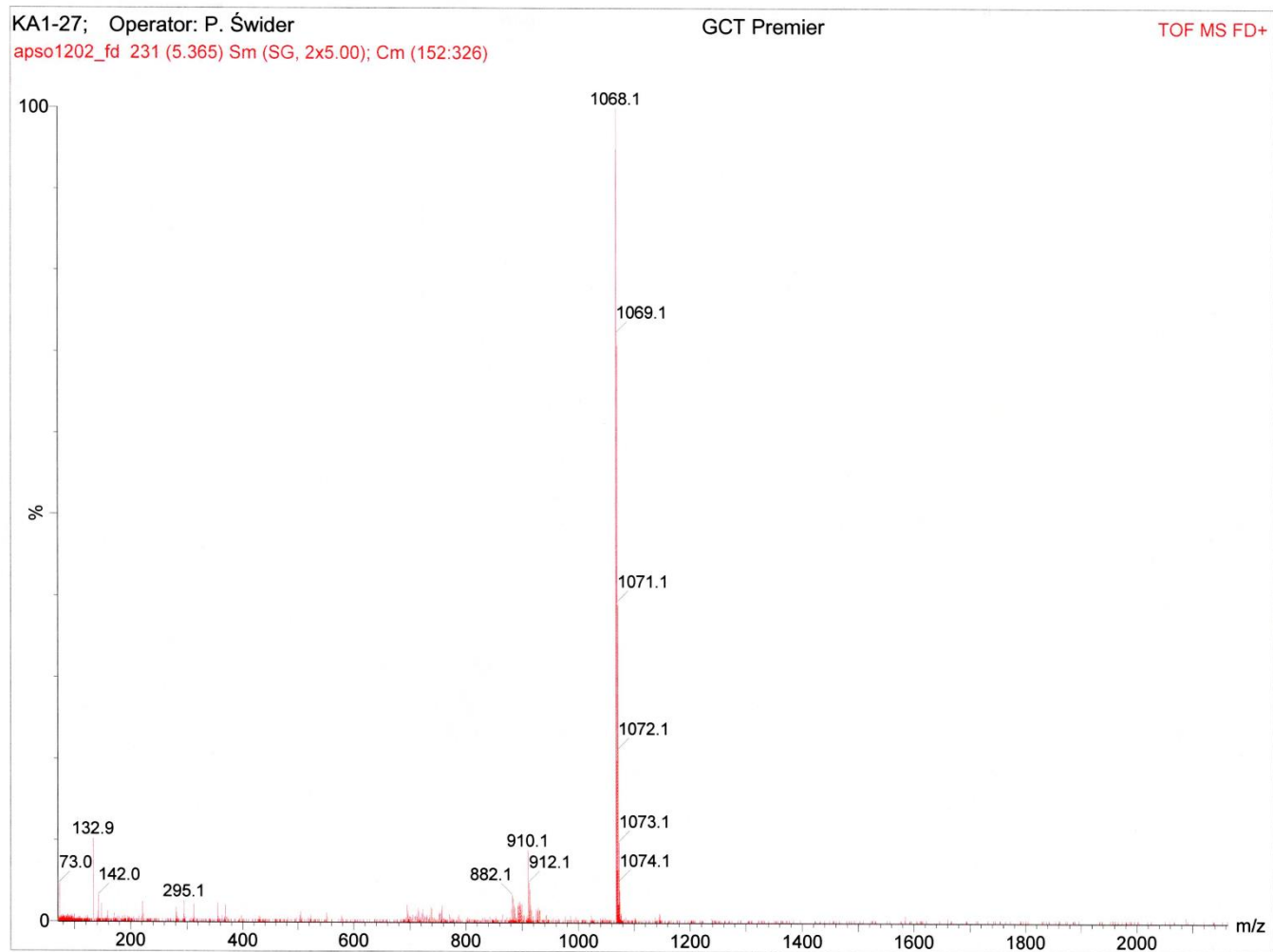


Figure S13. MS spectrum of product **6** (FD technique; positive ions mode).

**[3,7-Dinitro-2-(*p*-tolylsulfonylmethyl)-
5,10,15,20-tetraphenylporphyrinato]copper(II) (8)**

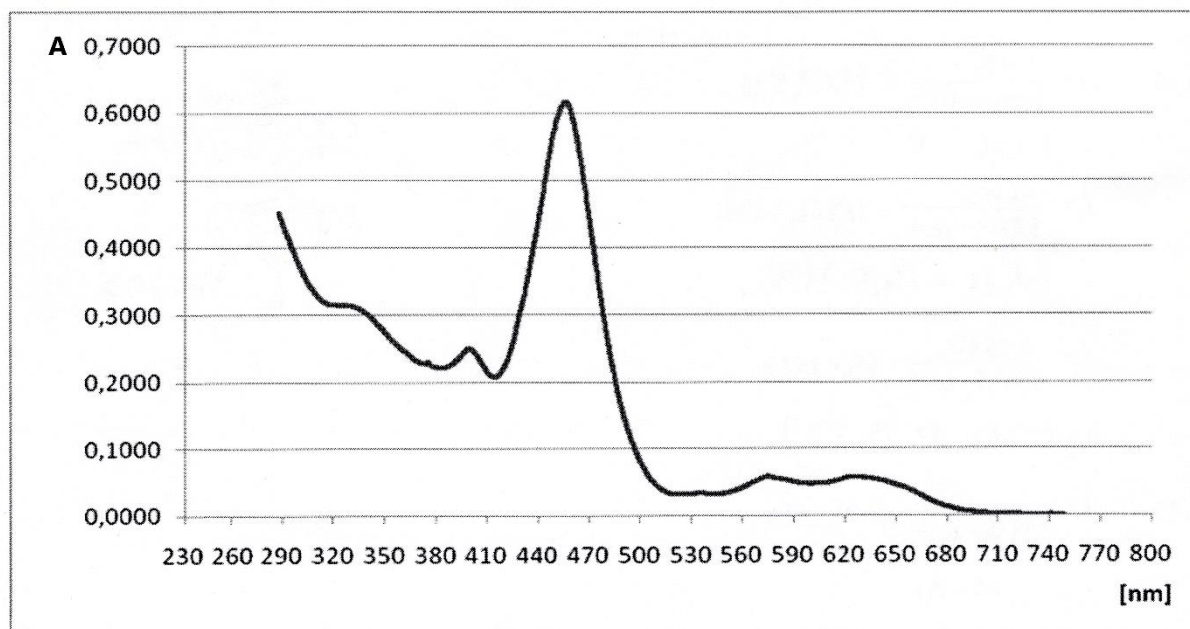
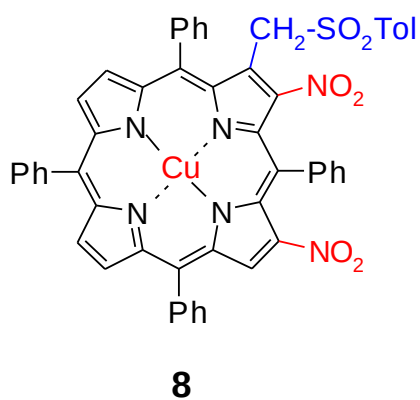


Figure S14. UV/VIS spectrum of product **8**.

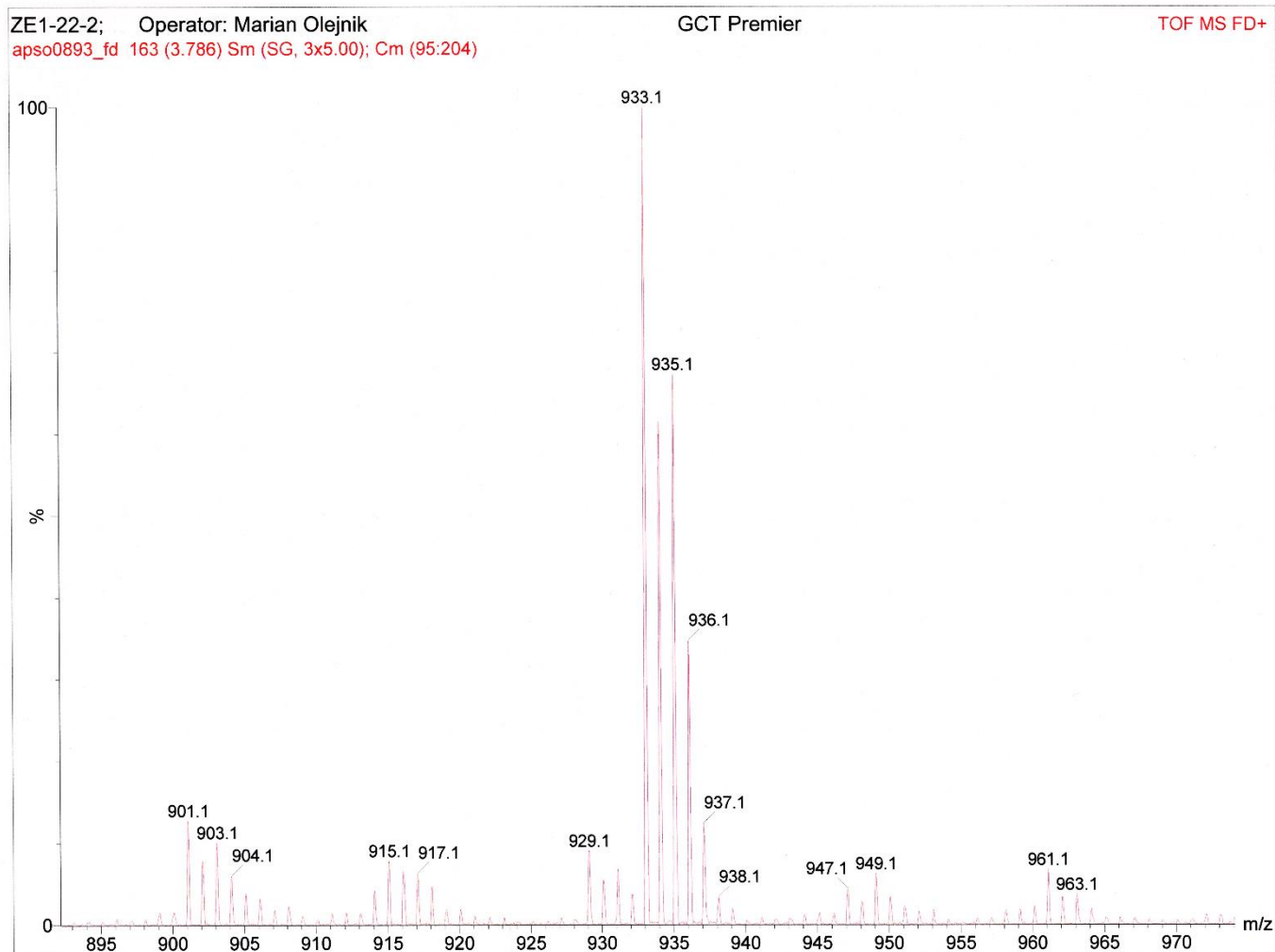


Figure S15. MS spectrum of product **8** (FD technique; positive ions mode).