

Supporting Information

Synthesis and spectroscopic properties of *meso*-substituted quinoxalinoporphyrins

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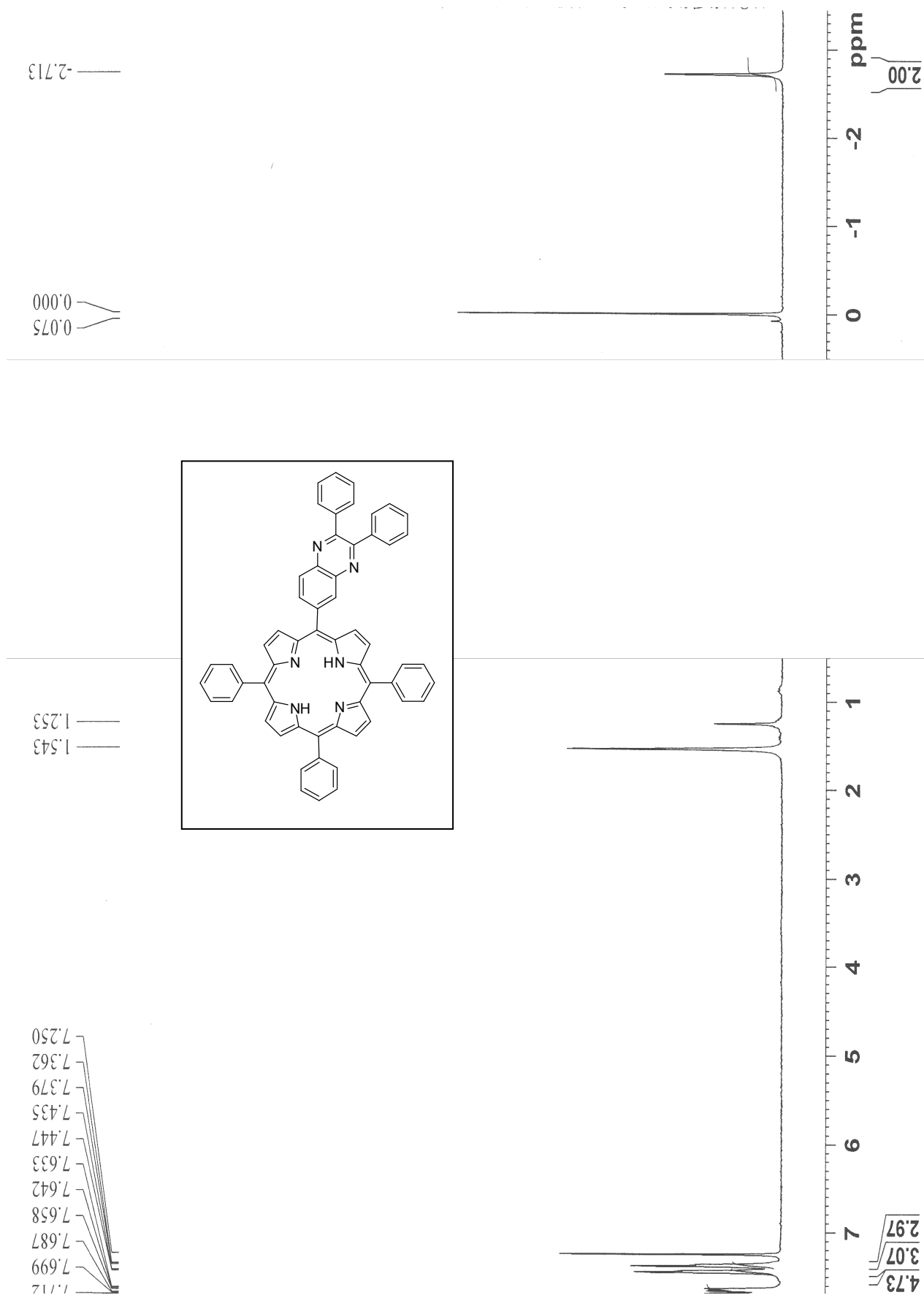


Fig. 1: ¹H NMR spectrum of 5-(2,3-diphenylquinoxalin-6-yl)-10,15,20-triphenylporphyrin (3a).

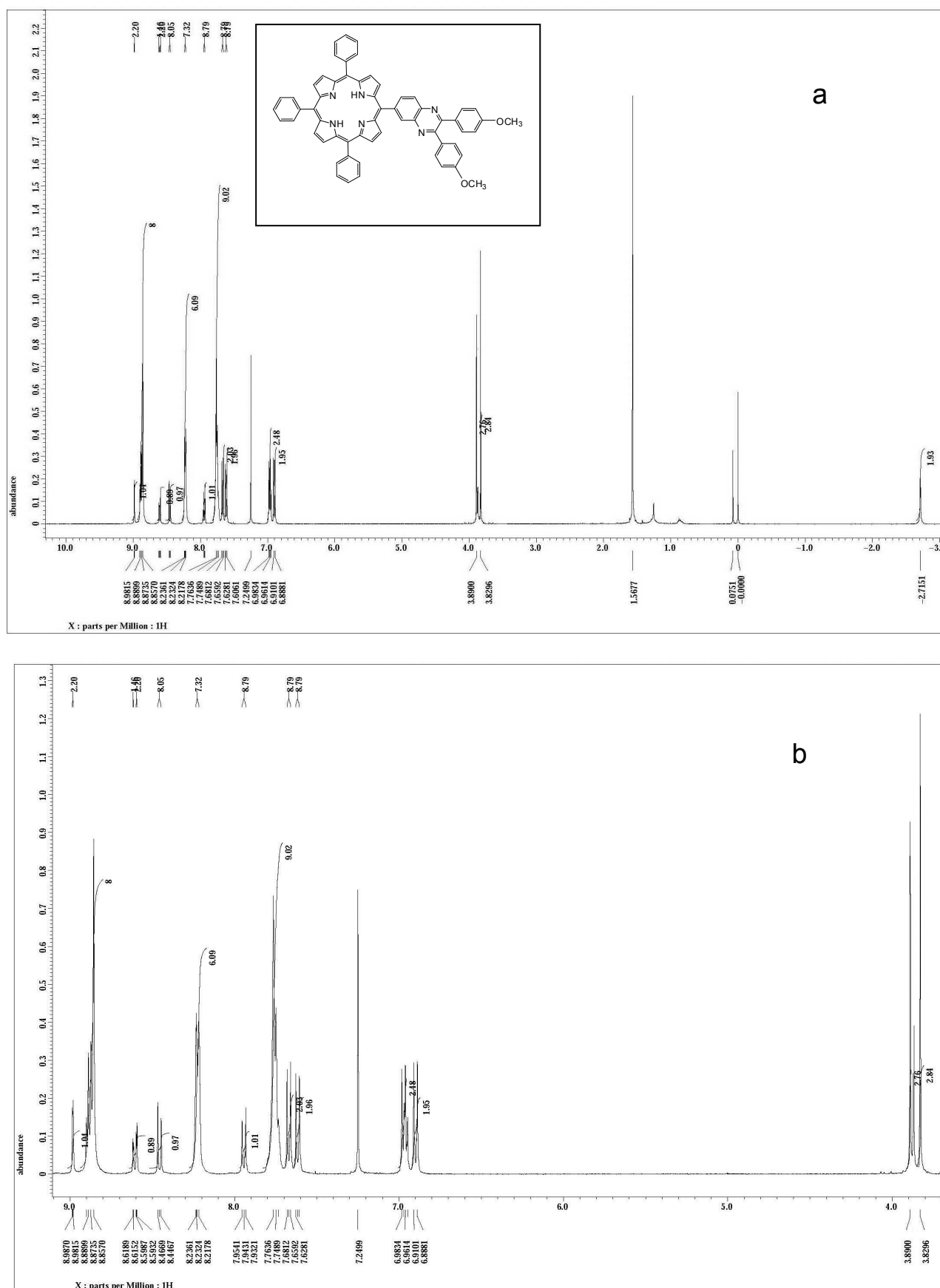


Fig. 2: (a) ^1H NMR spectrum of 5-[2,3-bis-(4-methoxyphenyl)quinoxalin-6-yl]-10,15,20-triphenylporphyrin (**3b**); (b) Expanded region of ^1H NMR spectrum of (**3b**).

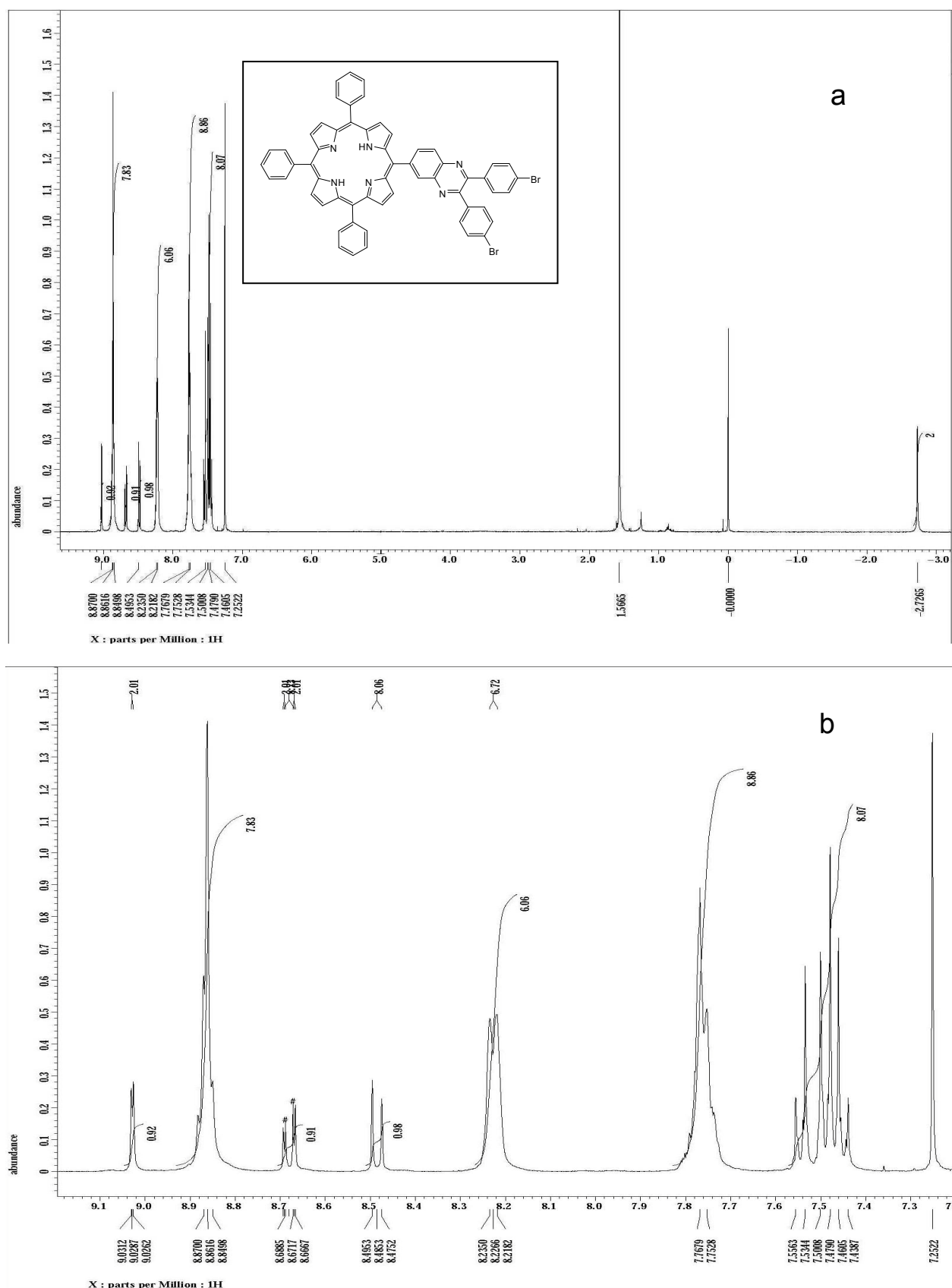


Fig. 3: (a) ^1H NMR spectrum of 5-[2,3-bis-(4-bromophenyl)quinoxalin-6-yl]-10,15,20-triphenylporphyrin (**3c**); (b) Expanded region of ^1H NMR spectrum of (**3c**).

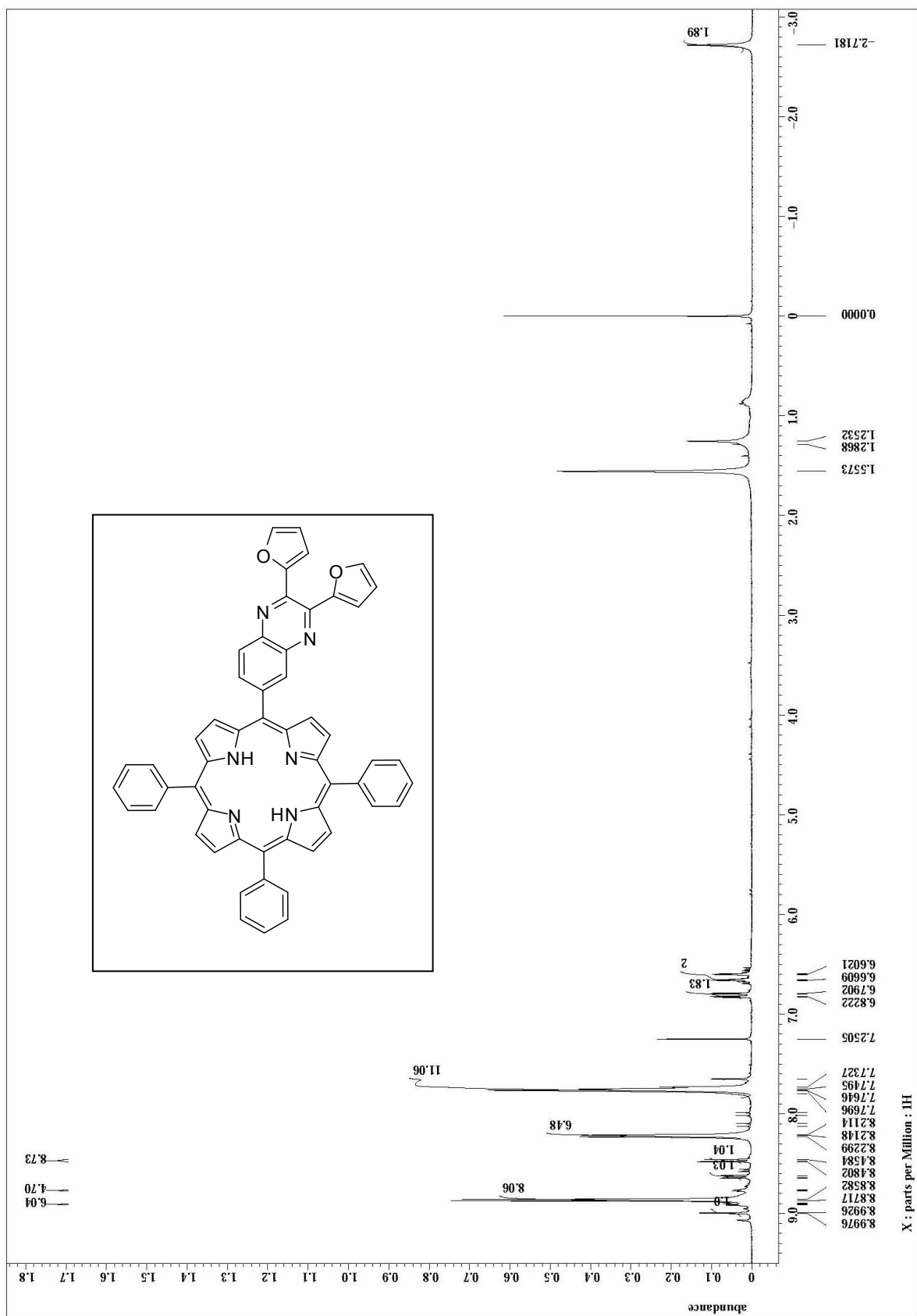


Fig. 4: ^1H NMR Spectrum of 5-(2,3-difuran-2-yl-quinoxalin-6-yl)-10,15,20-triphenylporphyrin (3d).

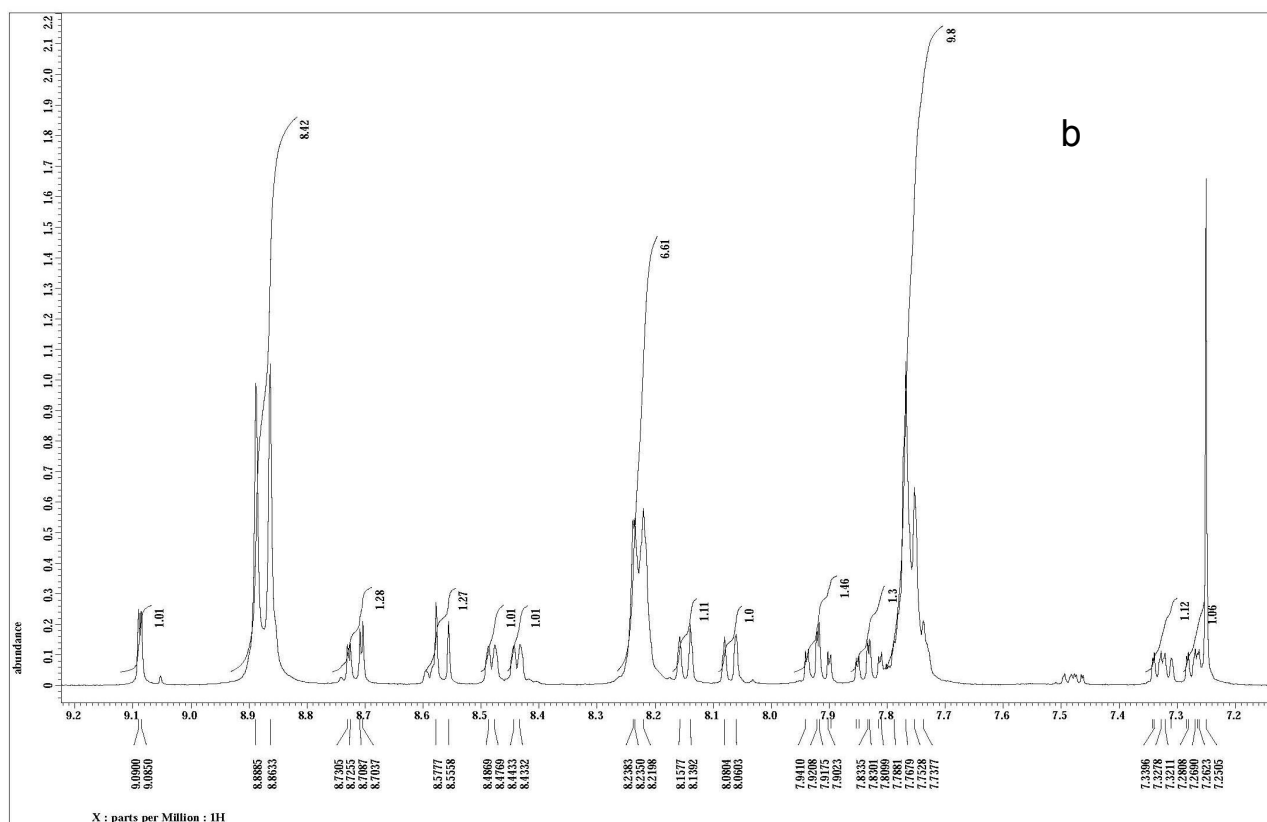
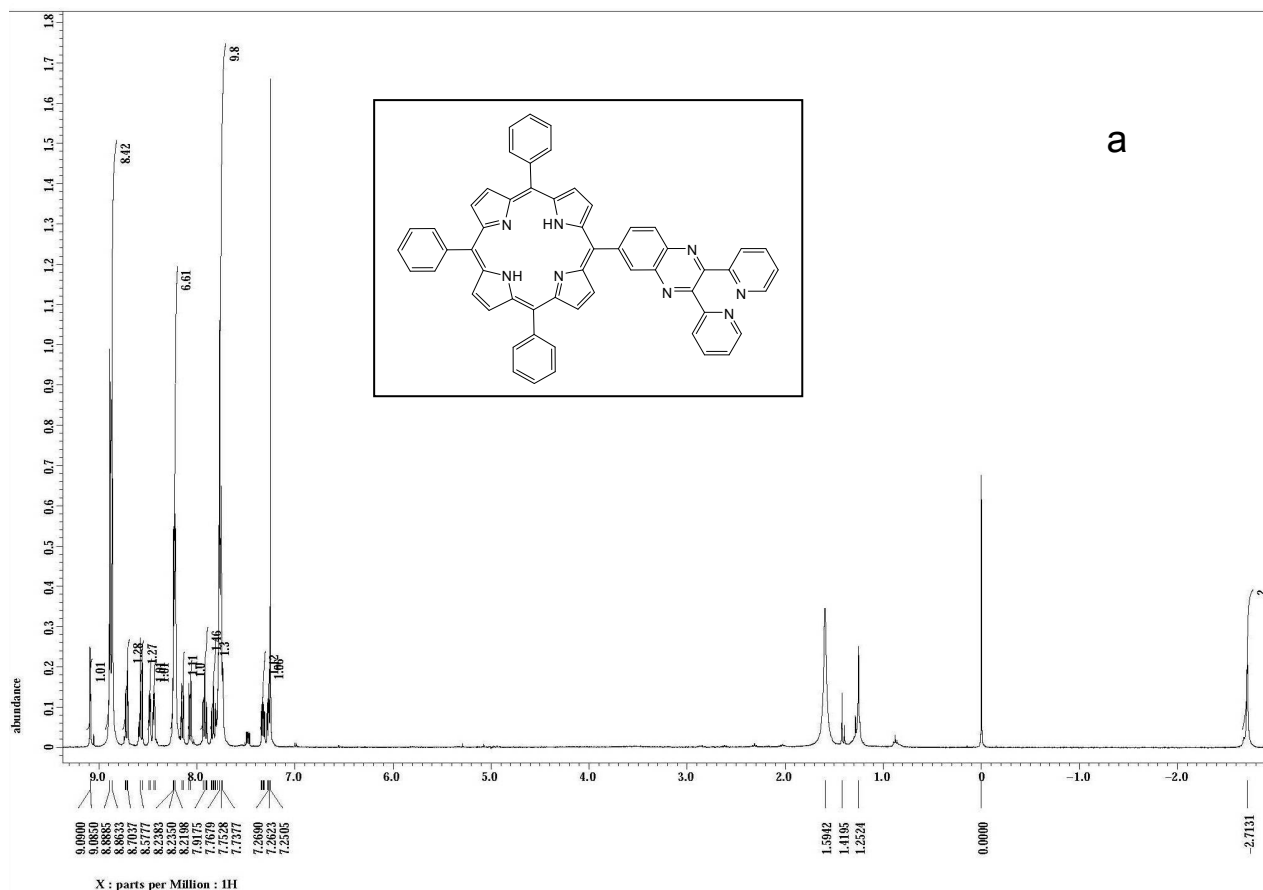


Fig. 5: (a) ^1H NMR spectrum of 5-(2,3-dipyridin-2-yl-quinoxalin-6-yl)-10,15,20-triphenylporphyrin (**3e**); (b) Expanded region of ^1H NMR spectrum of (**3e**).

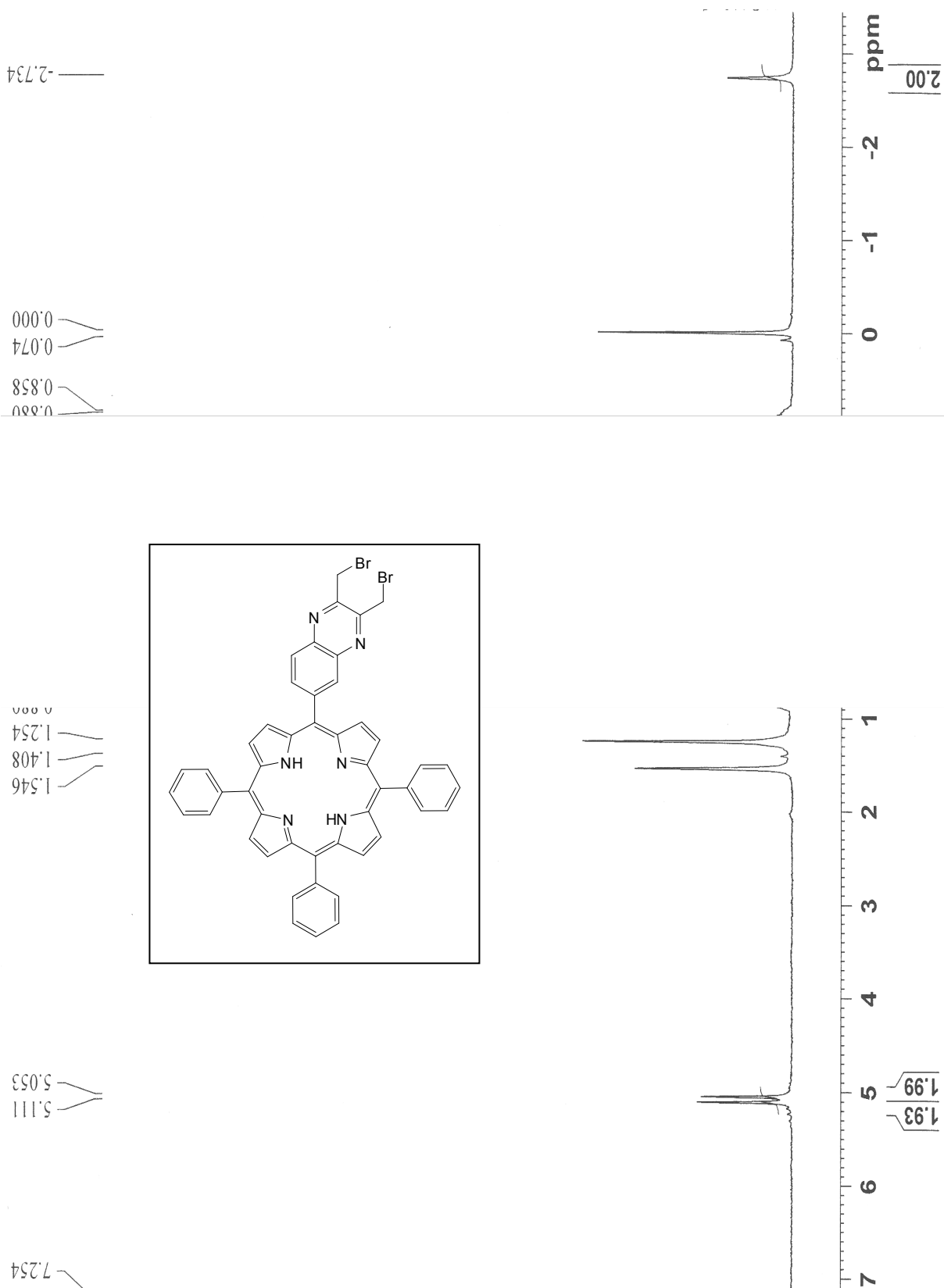


Fig. 6: ¹H NMR spectrum of 5-(2-(2,3-dibromomethyl)quinoxalin-6-yl)-10,15,20-triphenylporphyrin (3f).

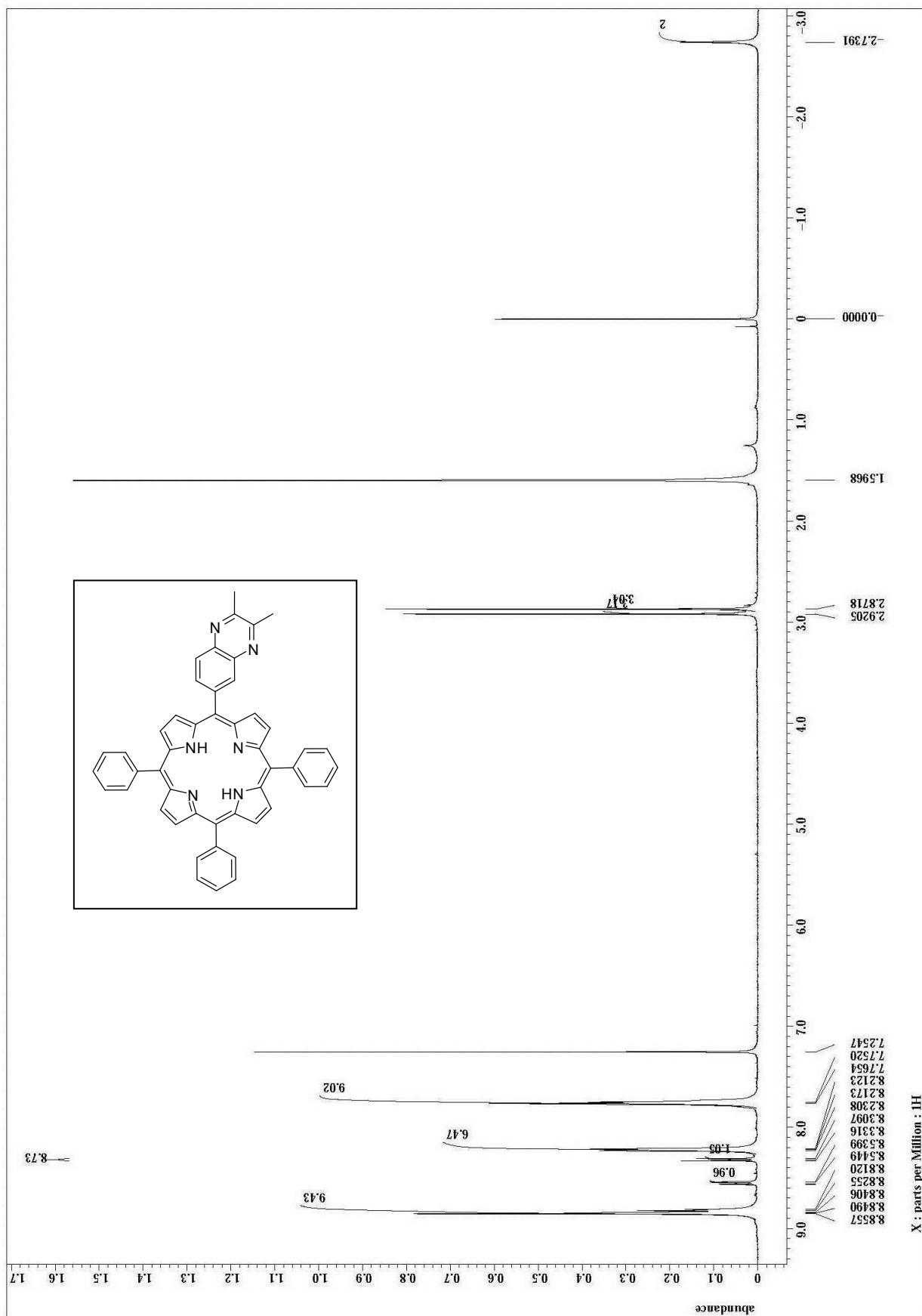


Fig. 7: ¹H NMR spectrum of 5-(2,3-dimethylquinoxalin-6-yl)-10,15,20-triphenylporphyrin (**3g**).

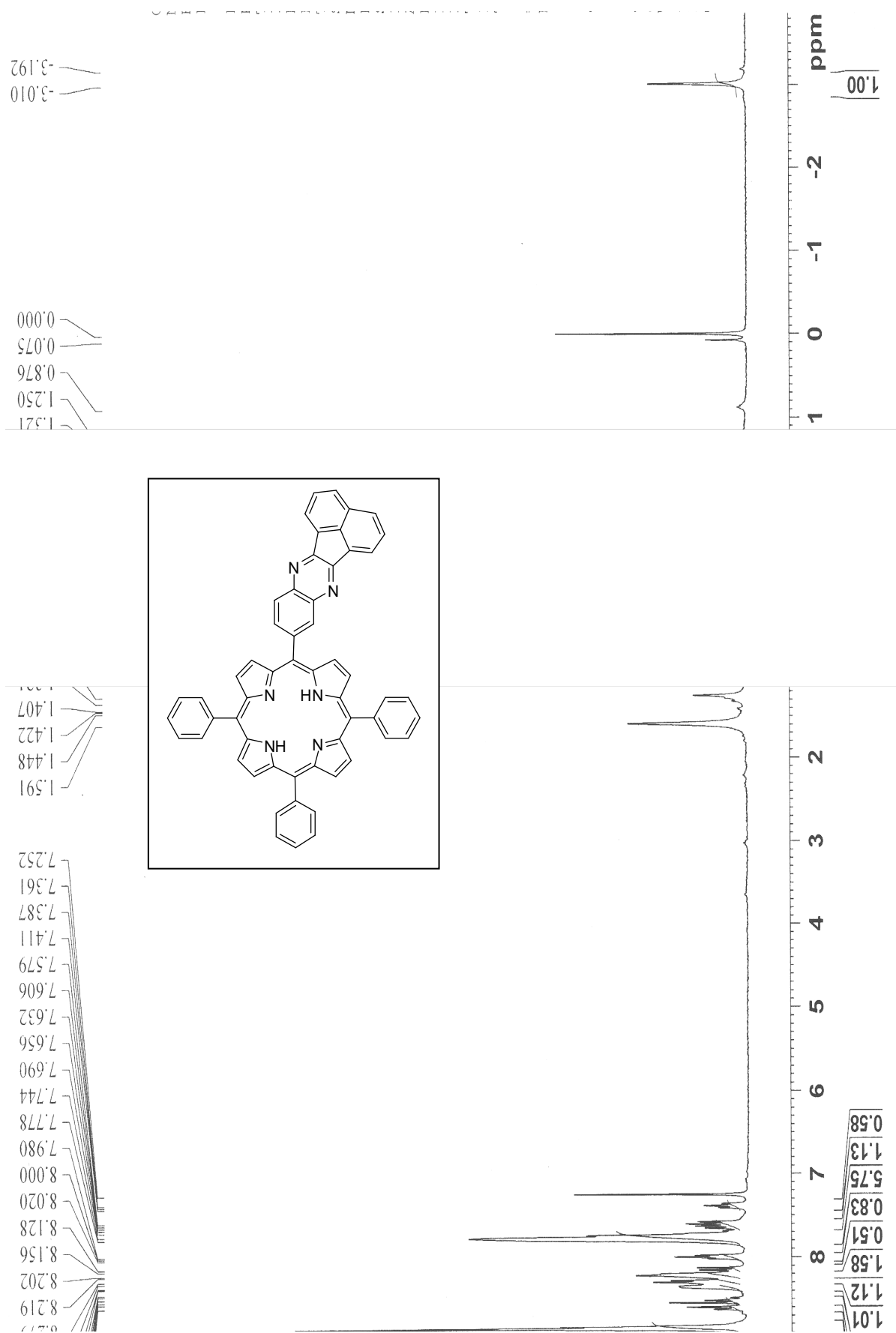


Fig. 8: ¹H NMR spectrum of 5-(acenaphtho[1,2-b]quinoxalin-9-yl)-10,15,20-triphenylporphyrin (4).

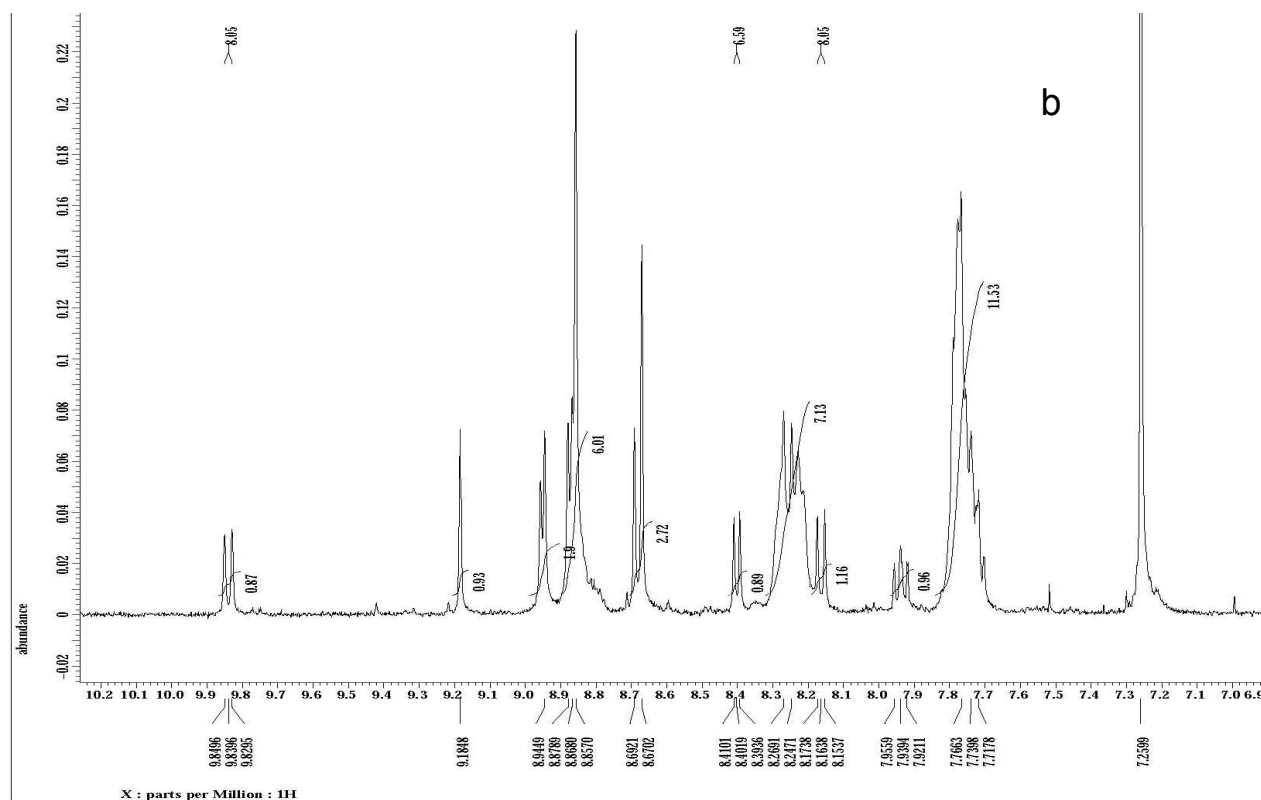
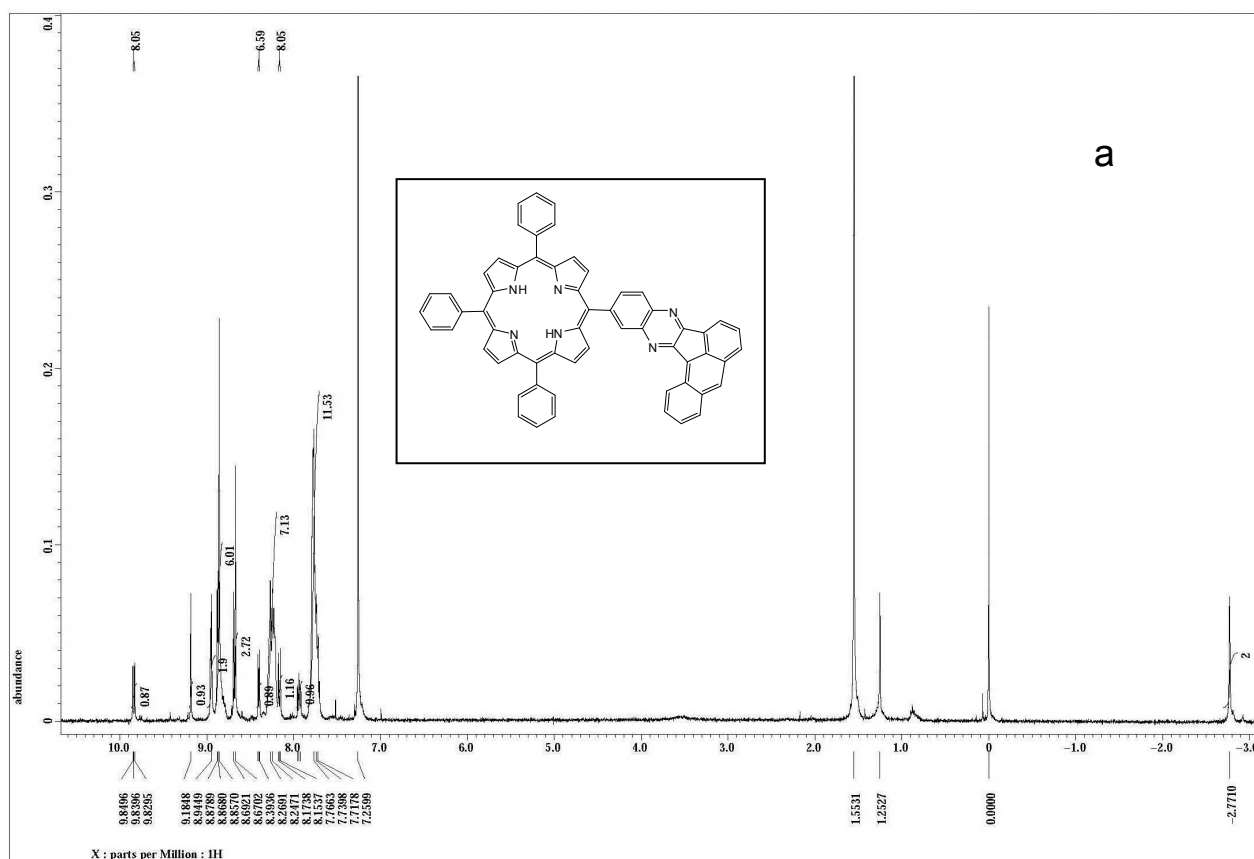


Fig. 9: (a) ^1H NMR spectrum of 5-(aceanthryleno[1,2-b]quinoxalin-12-yl)-10,15,20-triphenylporphyrin (**5**); (b) Expanded region of ^1H NMR spectrum of (**5**).

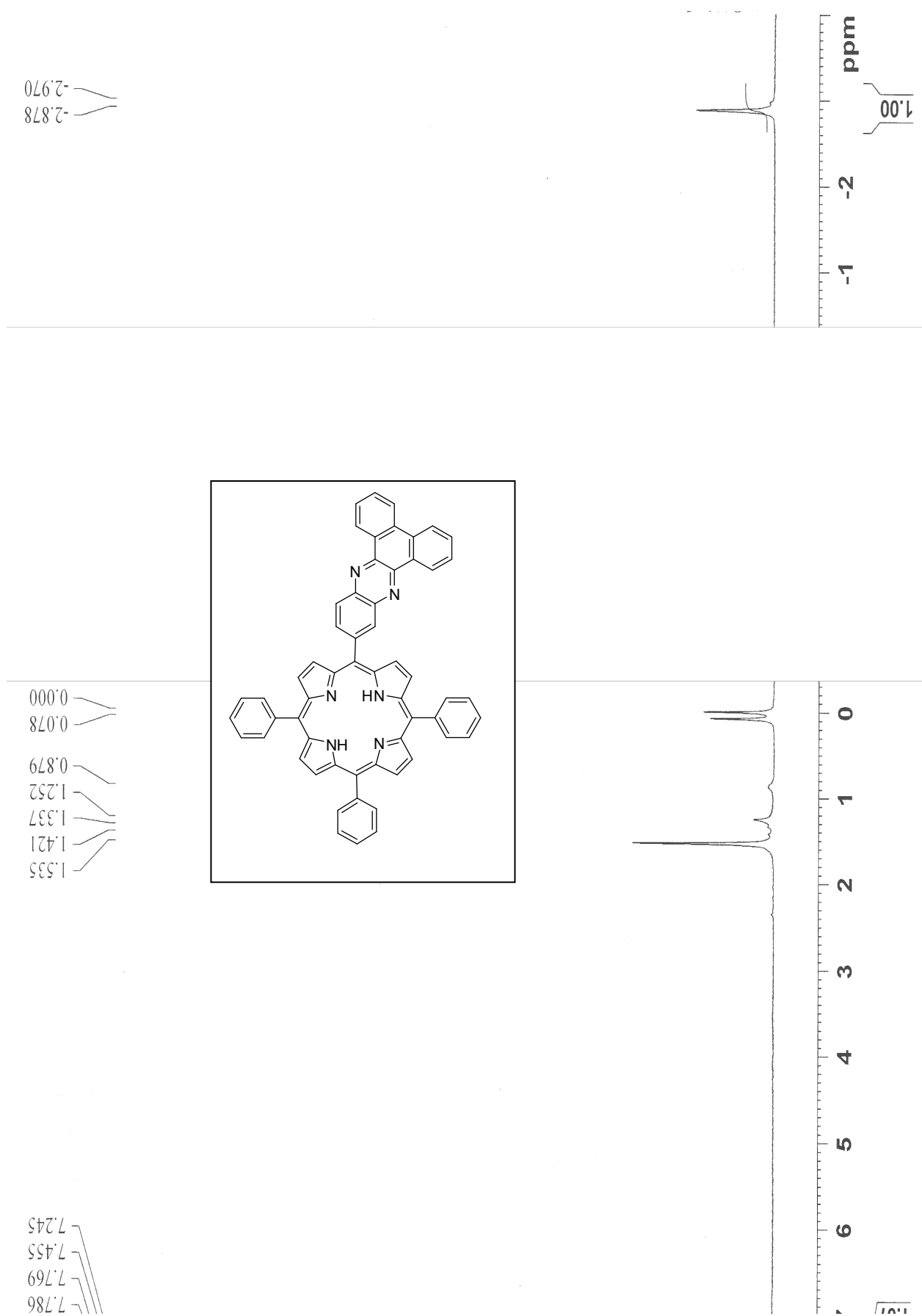


Fig. 10: ¹H NMR spectrum of 5-(dibenzo[a,c]phenazin-1(1-yl)-10,15,20-triphenylporphyrin (6)).

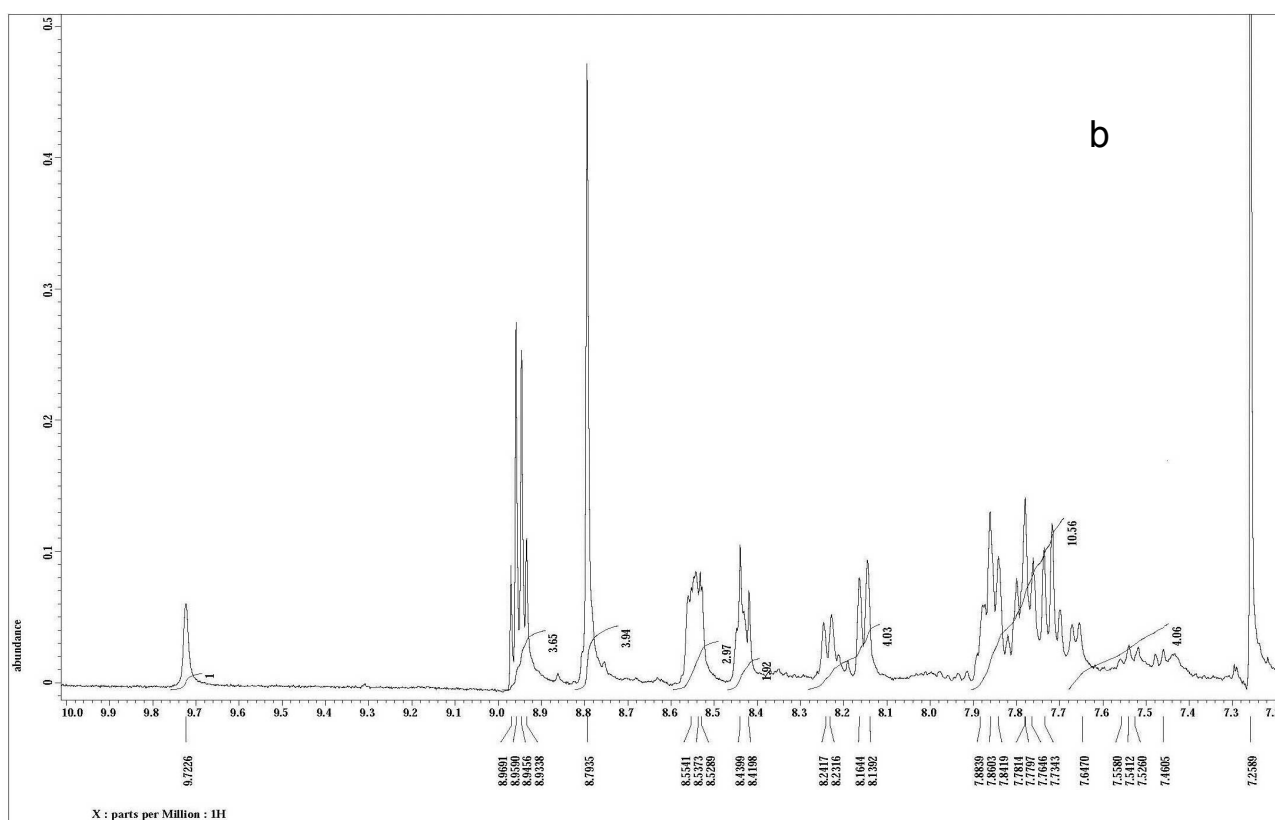
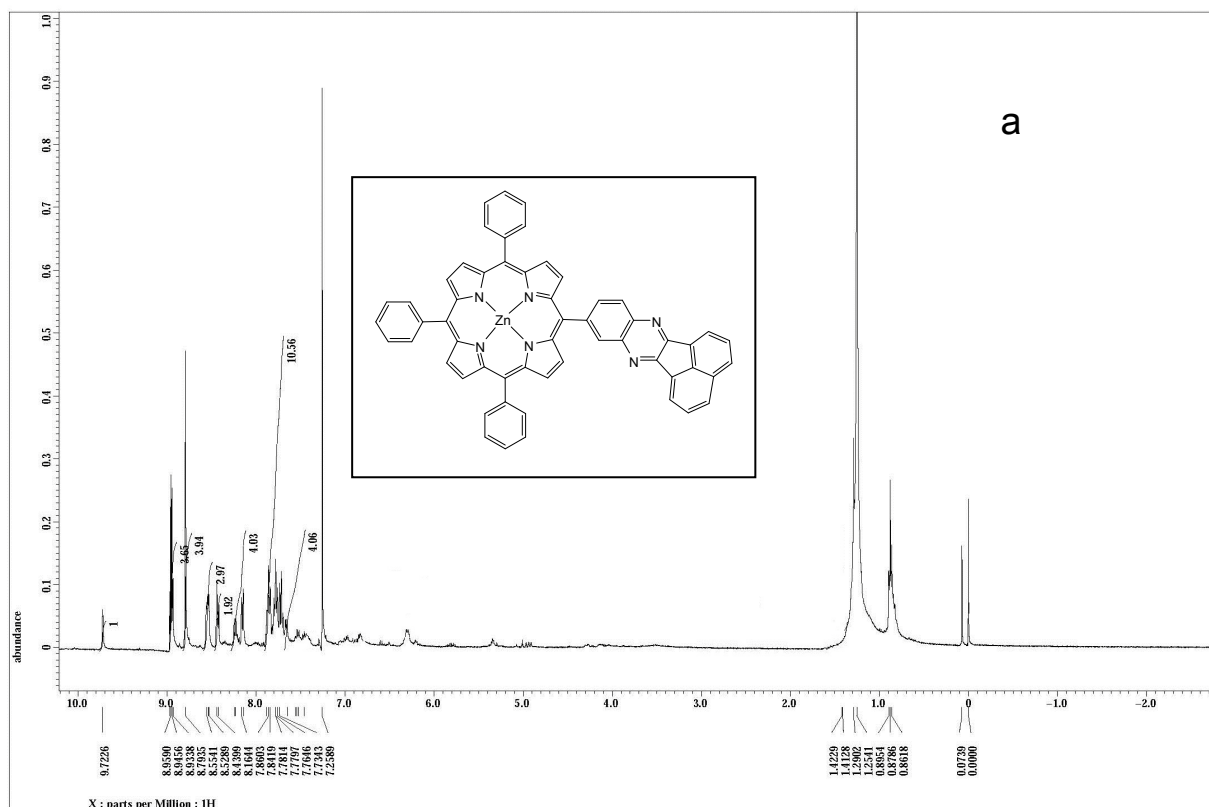


Fig. 11: (a) ^1H NMR spectrum of zinc(II) 5-(acenaphtho[1,2-b]quinoxalin-9-yl)-10,15,20-triphenylporphyrin (**Zn-4**); (b) Expanded region of ^1H NMR spectrum of (**Zn-4**).

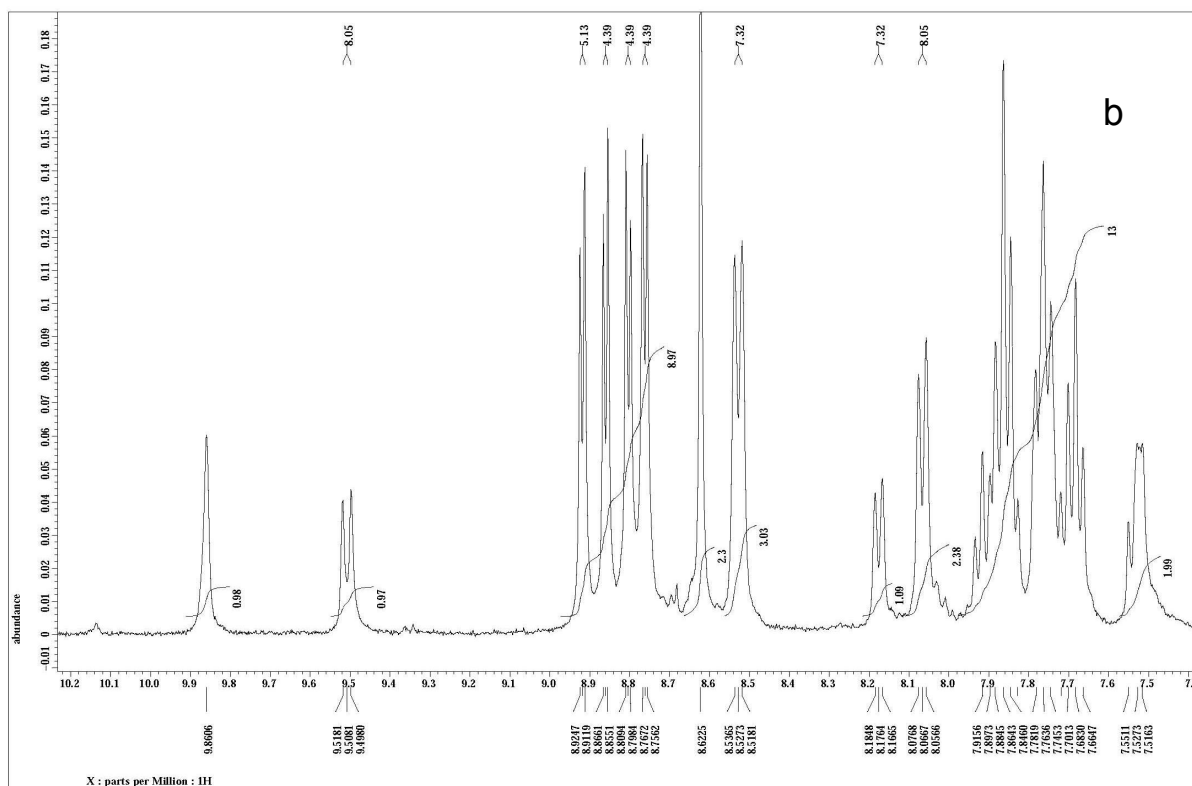
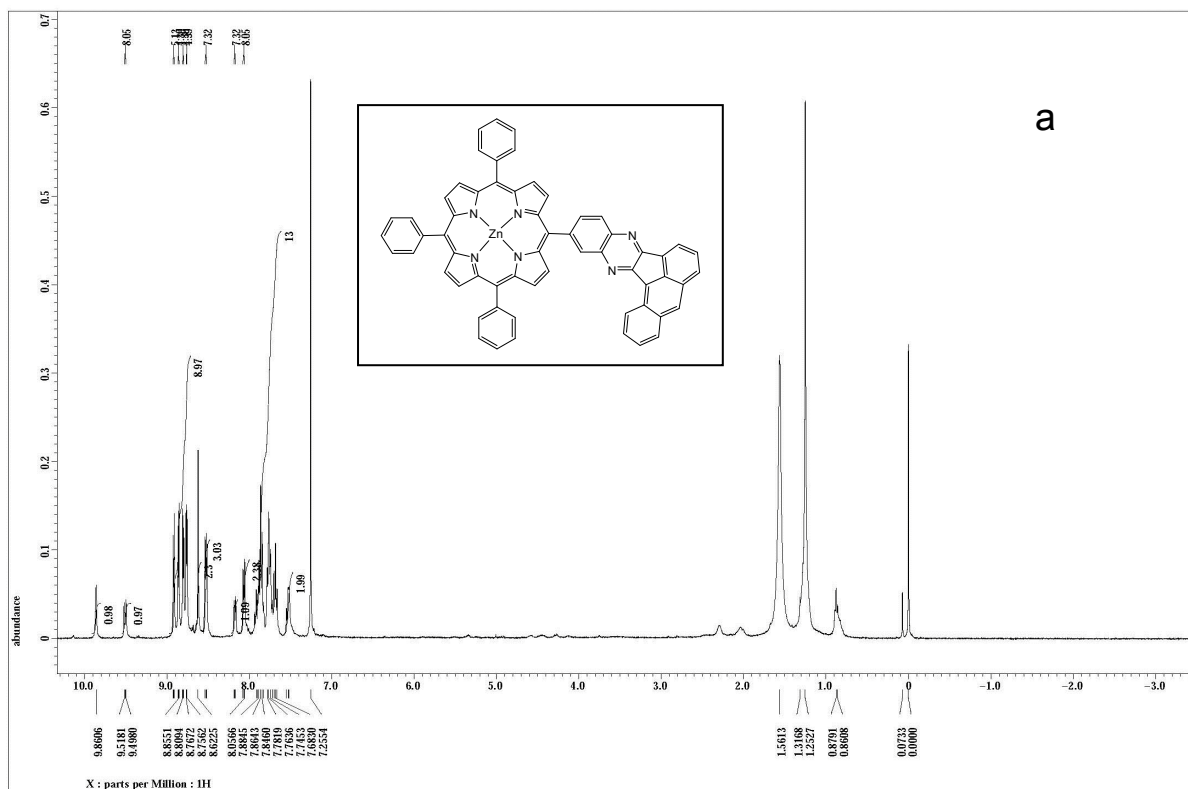


Fig. 12: (a) ^1H NMR spectrum of zinc(II) 5-(aceanthryleno[1,2-b]quinoxalin-12-yl)-10,15,20-triphenylporphyrin (**Zn-5**); **(b)** Expanded region of ^1H NMR spectrum of (**Zn-5**).

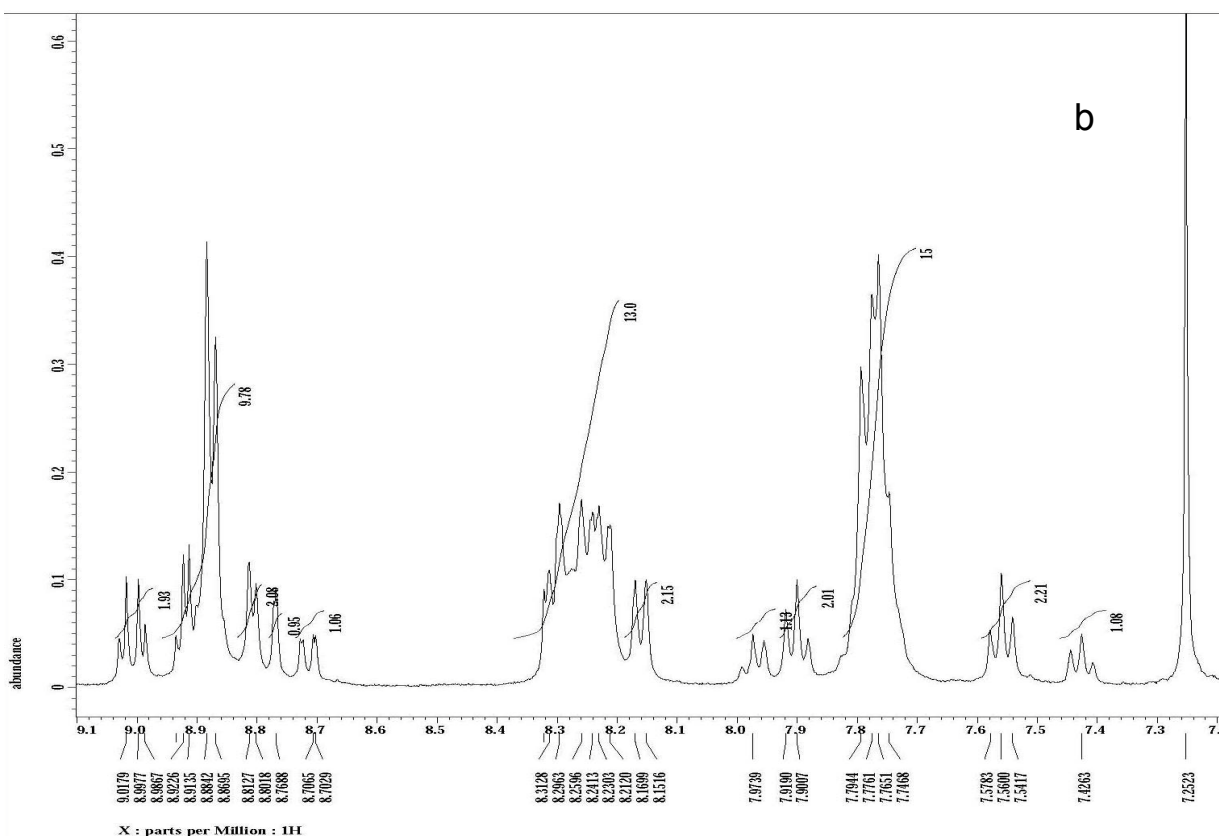
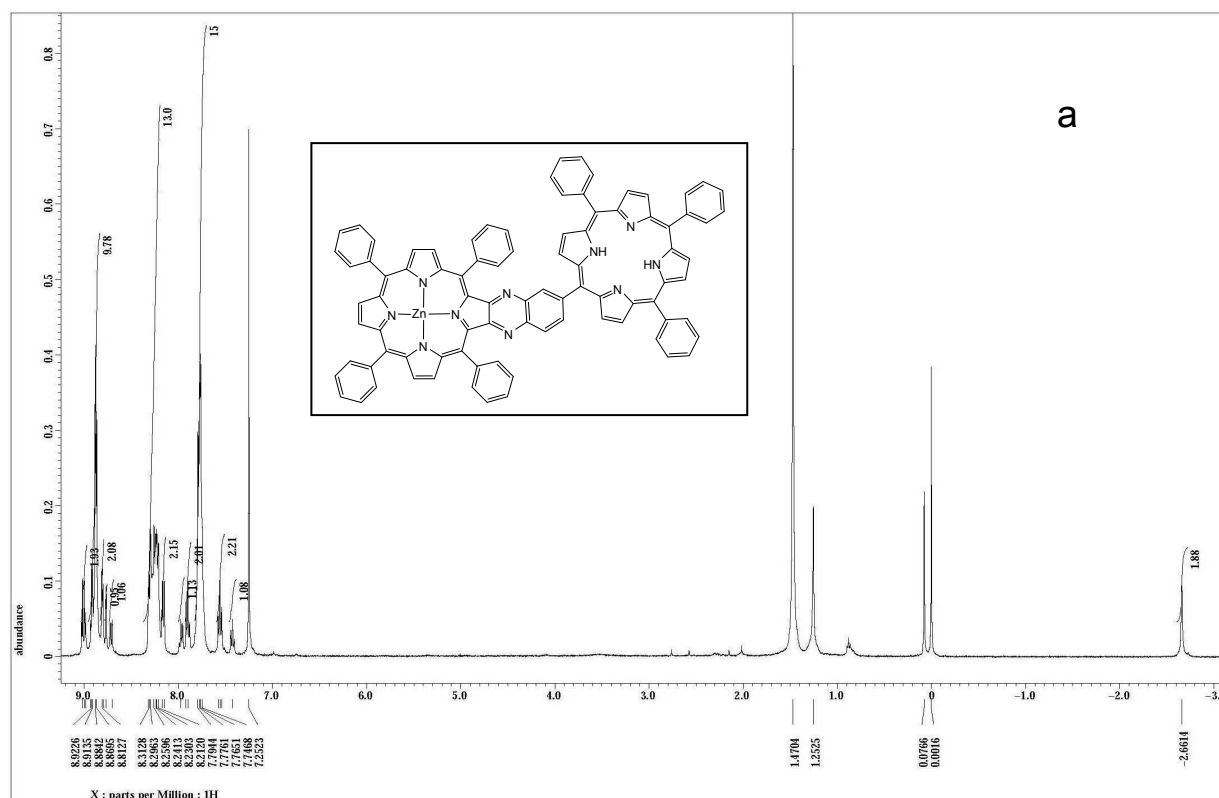


Fig. 14: (a) ^1H NMR spectrum of 5-(zinc(II) 5,10,15,20-tetraphenylporphyrin[2,3-b]quinoxalin-6-yl)-10,15,20-triphenylporphyrin (**10a**); (b) Expanded region of ^1H NMR spectrum of (**10a**).

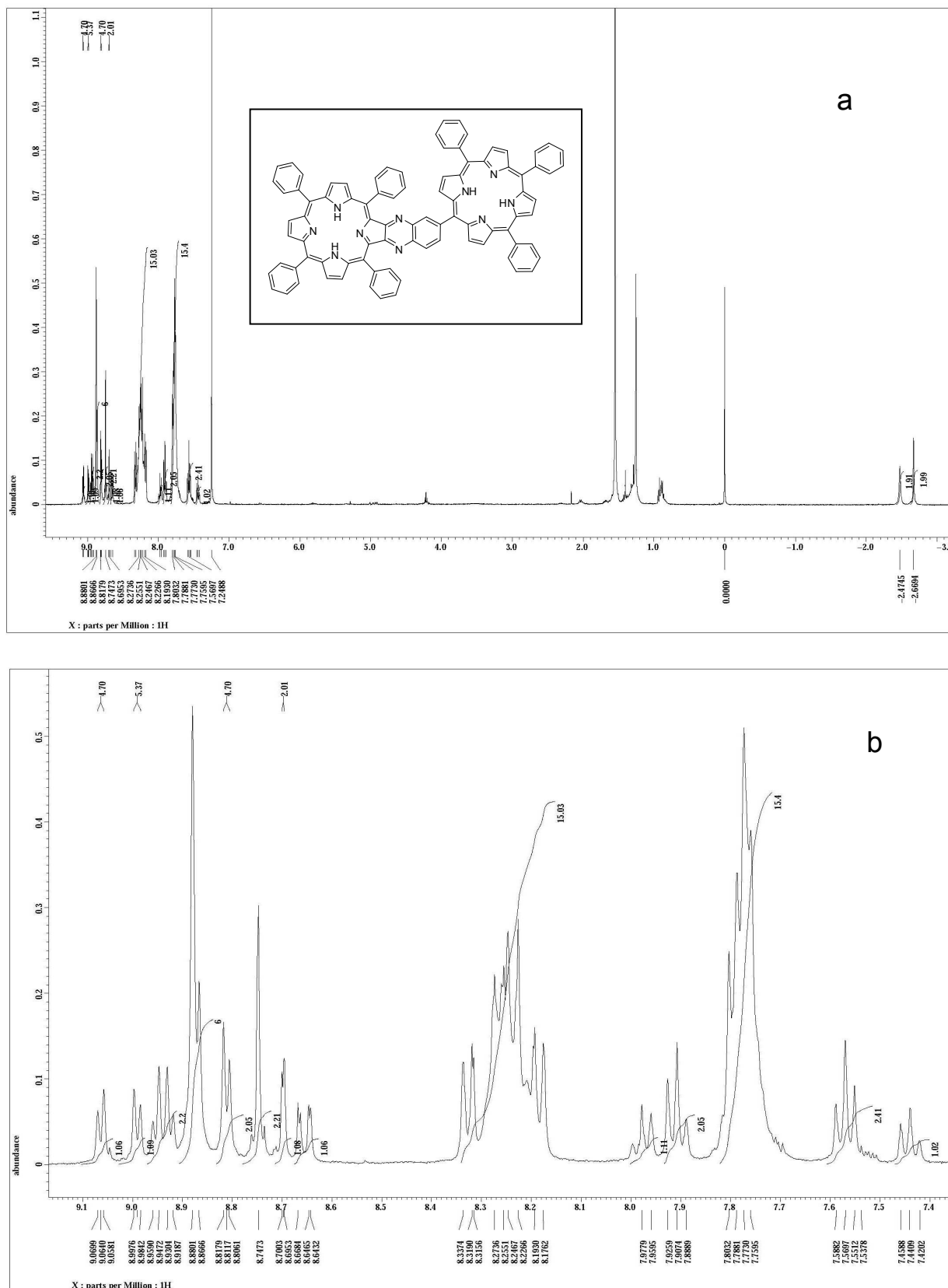


Fig. 15: (a) ¹H NMR spectrum of 5-(5,10,15,20-tetraphenylporphyrin[2,3-b]quinoxalin-6-yl)-10,15,20-triphenylporphyrin (**10b**); (b) Expanded region of ¹H NMR spectrum of (**10b**).

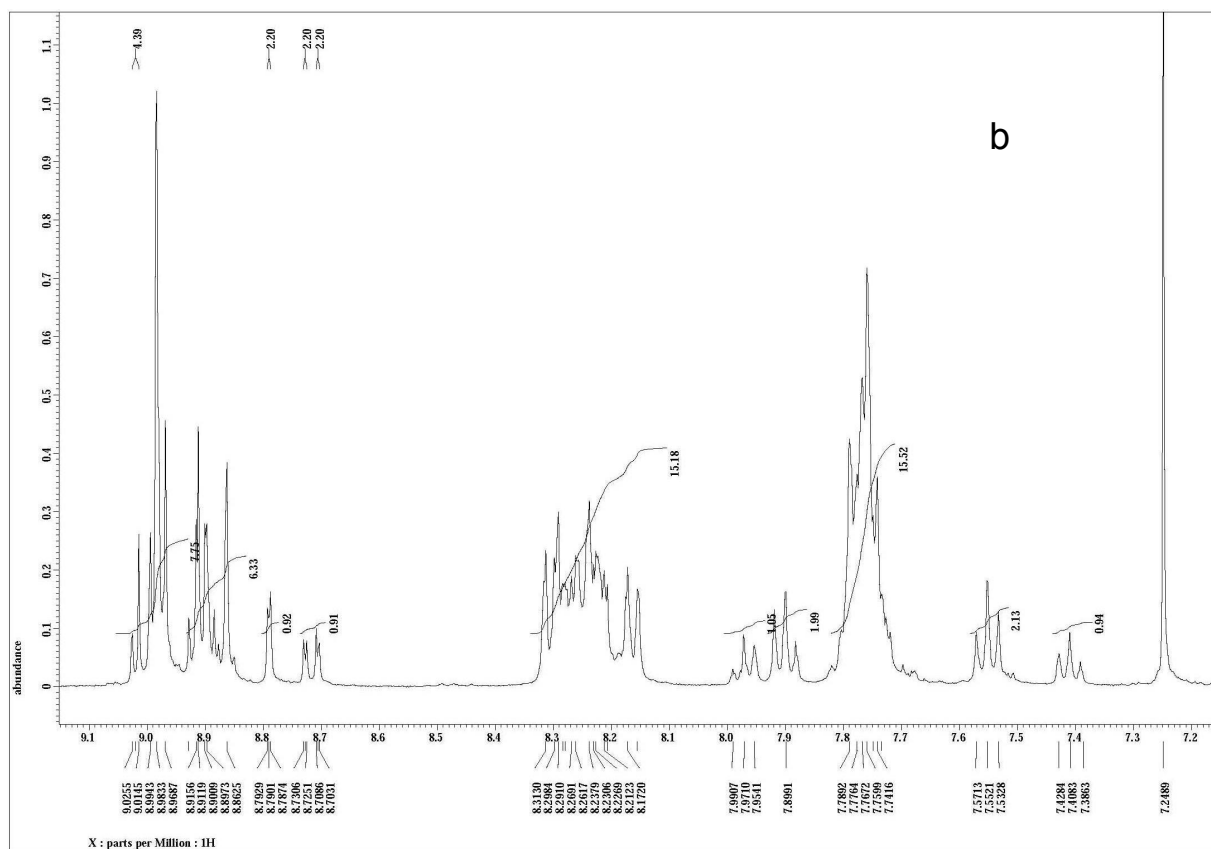
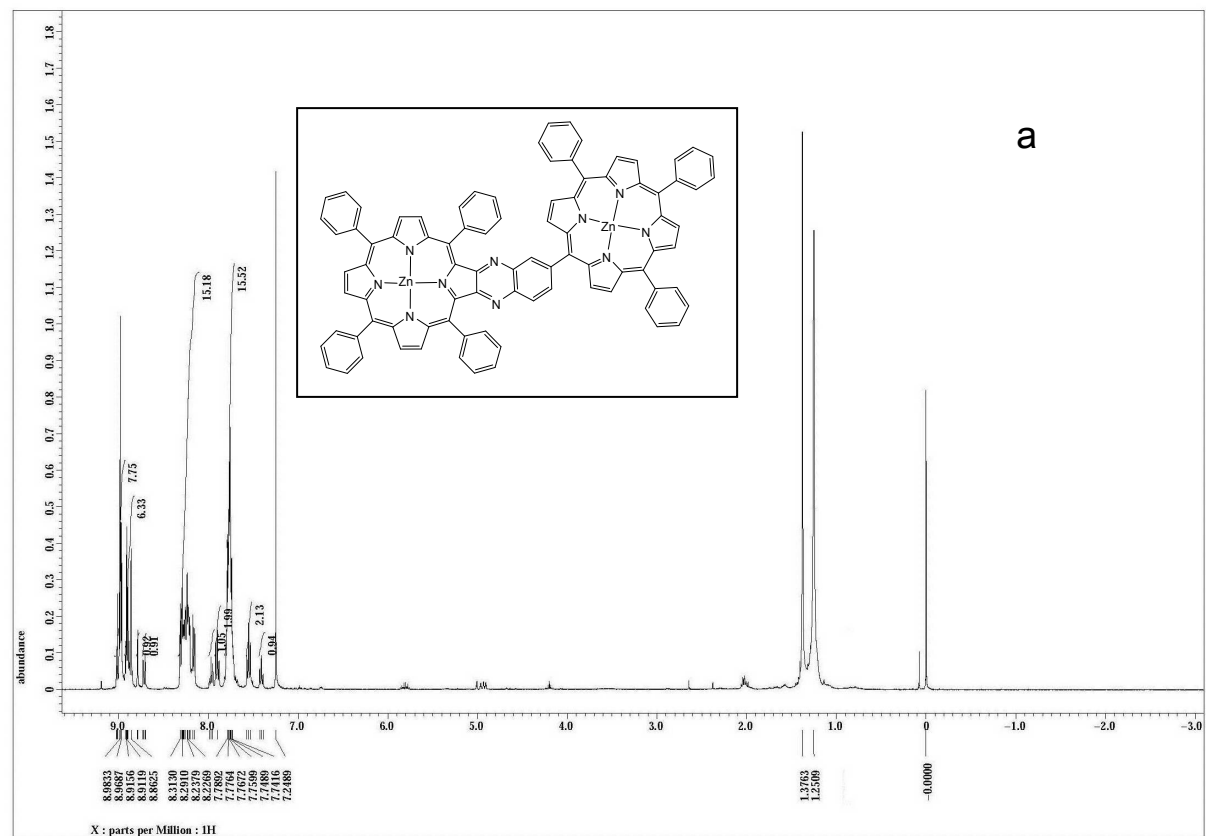


Fig. 16: (a) ^1H NMR spectrum of zinc(II) 5-(zinc(II) 5,10,15,20-tetraphenylporphyrin[2,3-b]quinoxalin-6-yl)-10,15,20-triphenylporphyrin (**10c**); (b) Expanded region of ^1H NMR spectrum of (**10c**).