

Supporting information

Porphyrazines with Annulated Diazepine Rings. 5.
Near-IR-absorbing tetrakis(6,7-dihydro-1*H*-1,4-diazepino)porphyrazines and
effect of acid solvation on their spectral properties

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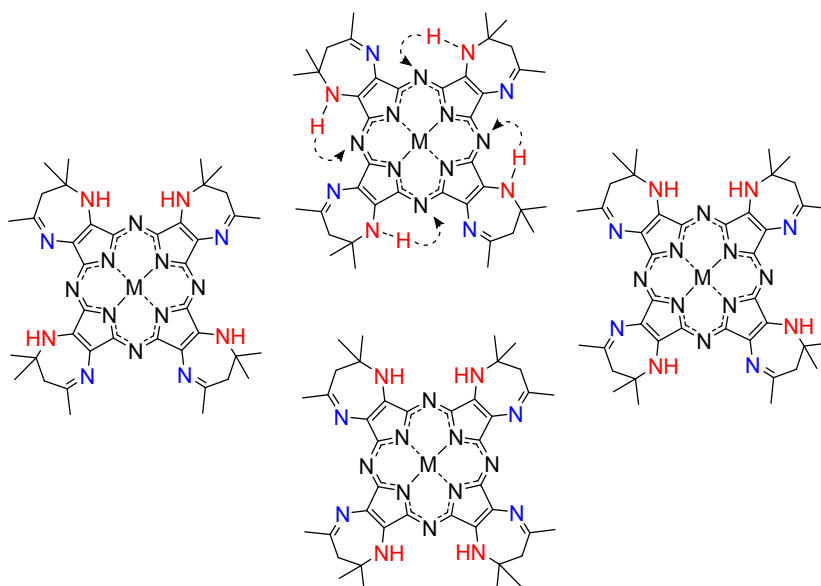


Chart S 1. Possible randomers of compound **3a**

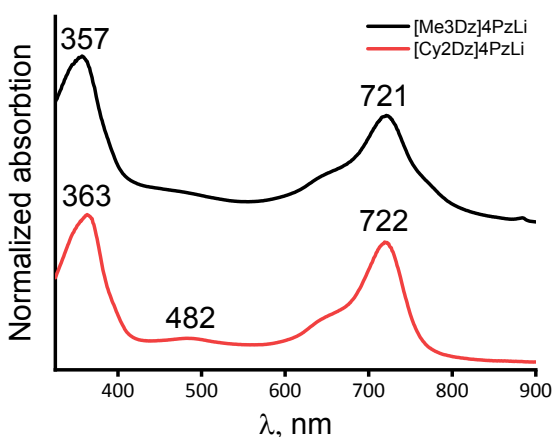


Figure S 1. Electronic absorption spectra of unstable lithium complexes of **3** and **4** from reaction mixture

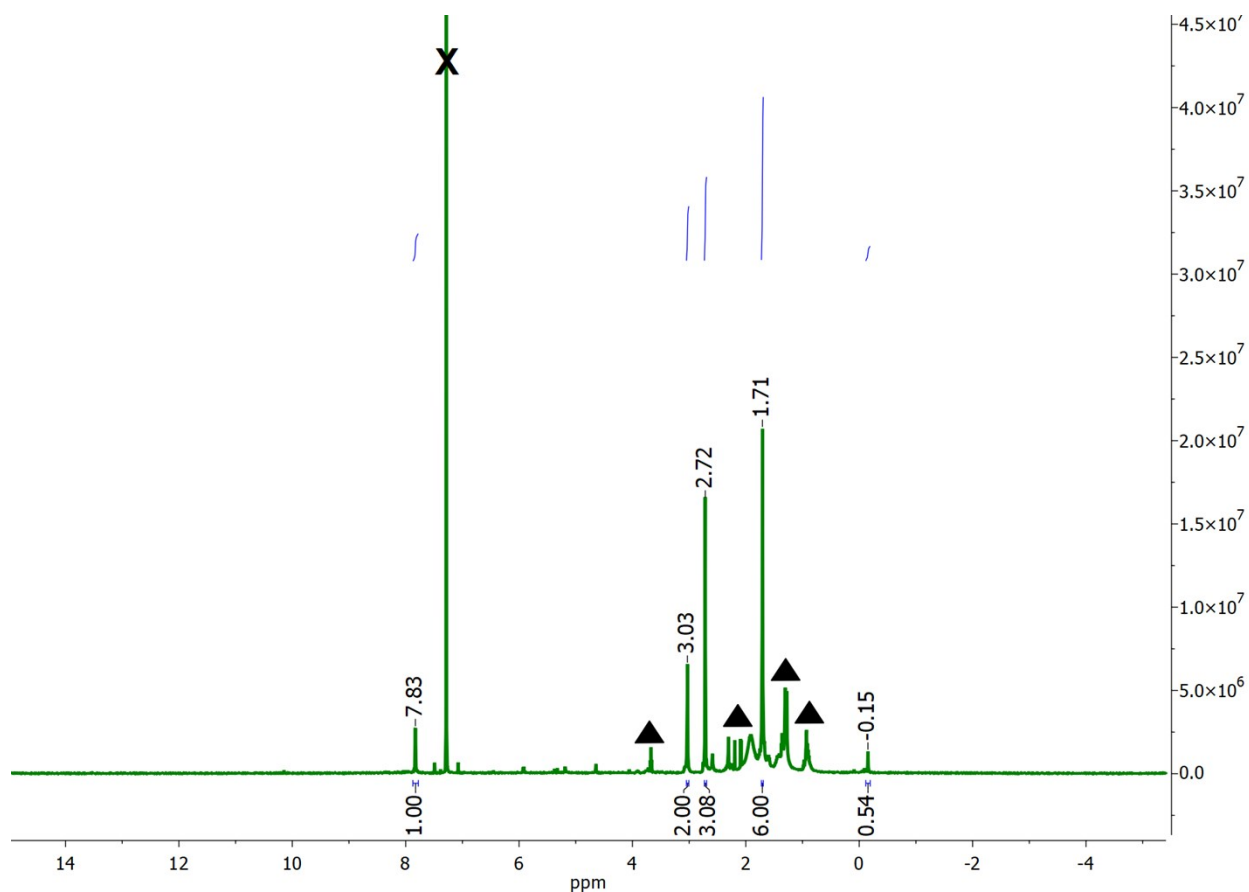


Figure S 2. ^1H NMR spectra of **3a** recorded in CDCl_3 . Signals of the solvent and impurities are indicated by cross and triangle, respectively

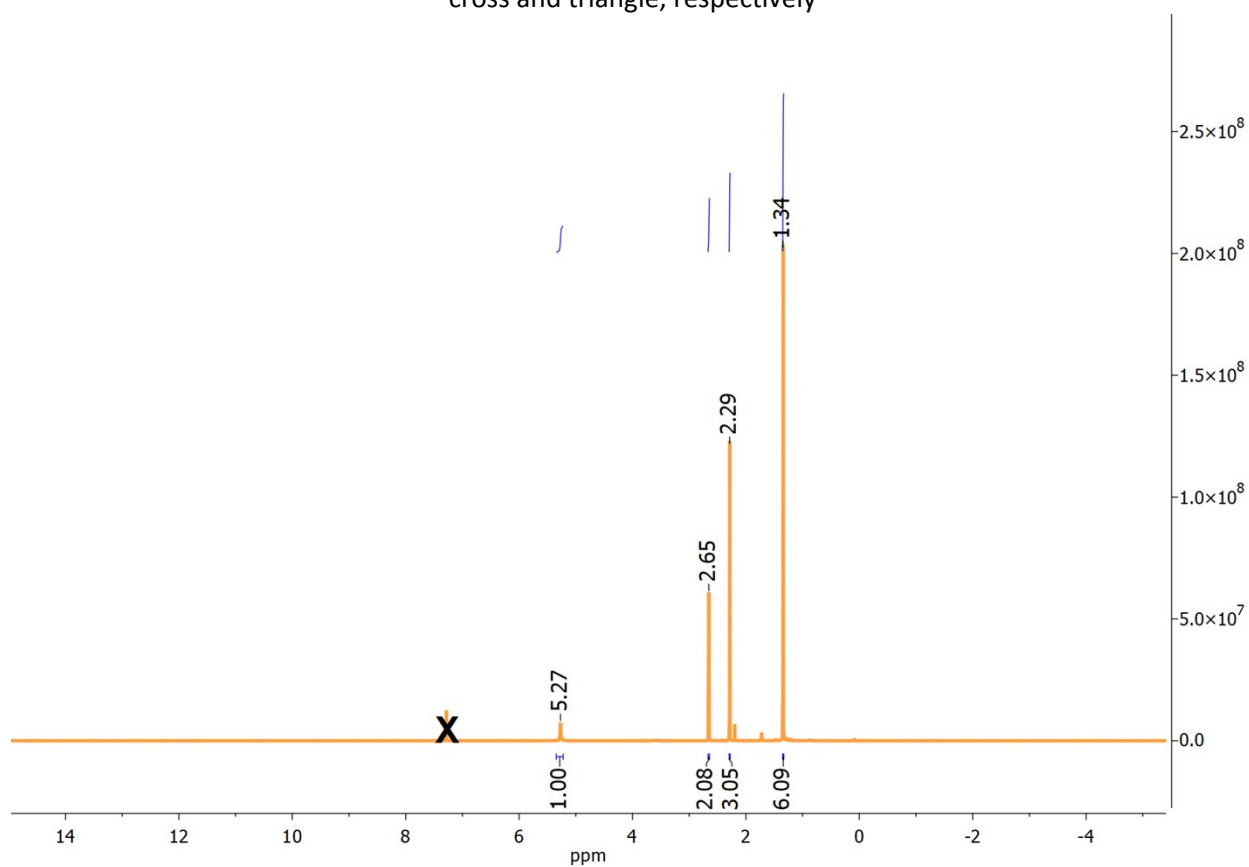


Figure S 3. ^1H NMR spectra of **1** recorded in CDCl_3 . Signals of the solvent is indicated by

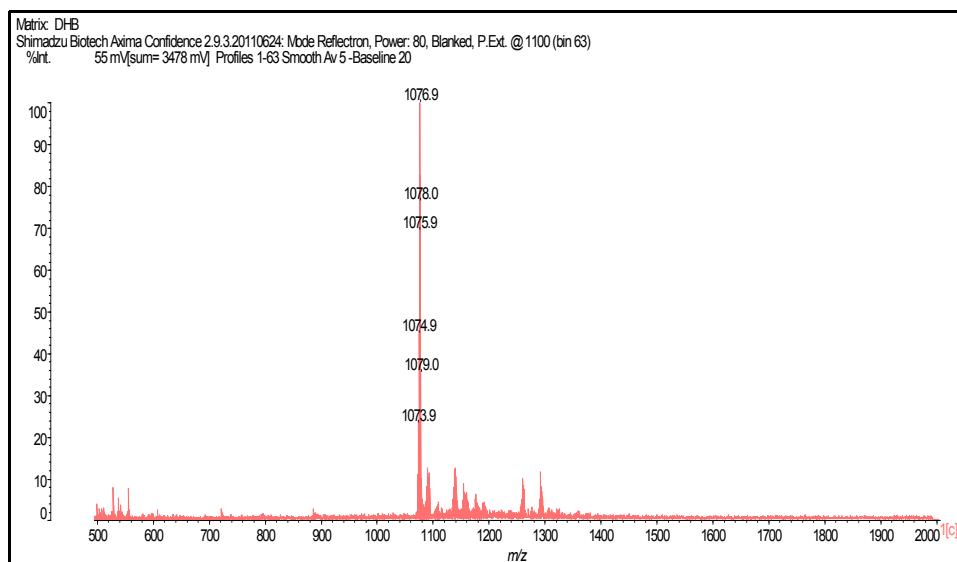


Figure S 4. MALDI TOF mass-spectra of **4a**

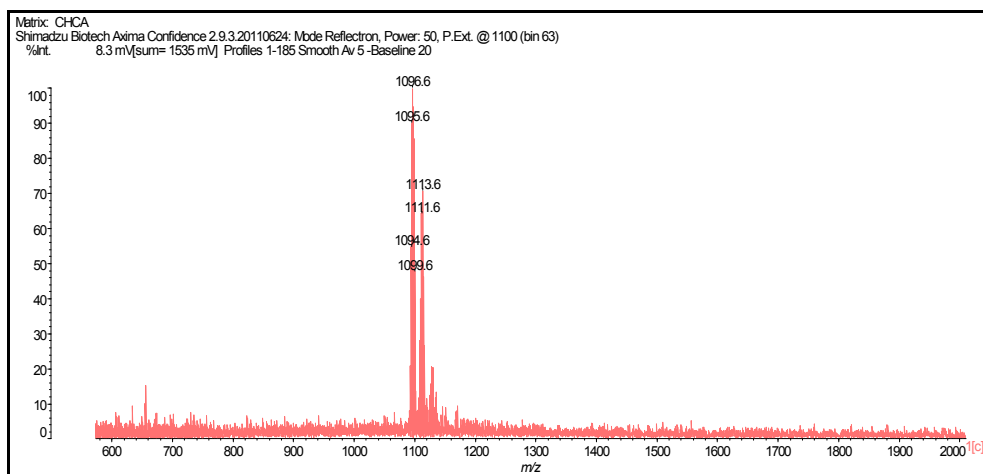


Figure S 5. MALDI TOF mass-spectra of **4b**

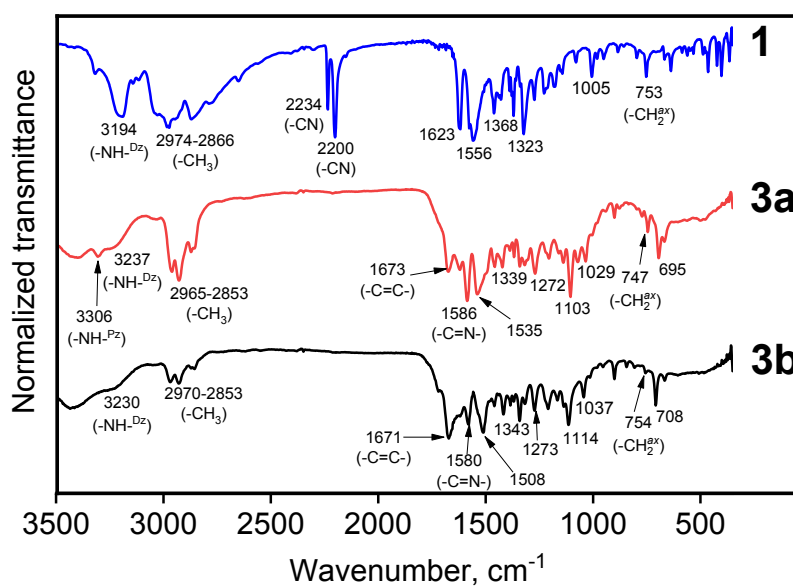


Figure S 6. IR spectra of compounds **1**, **3a**, **3b** with KBr disk

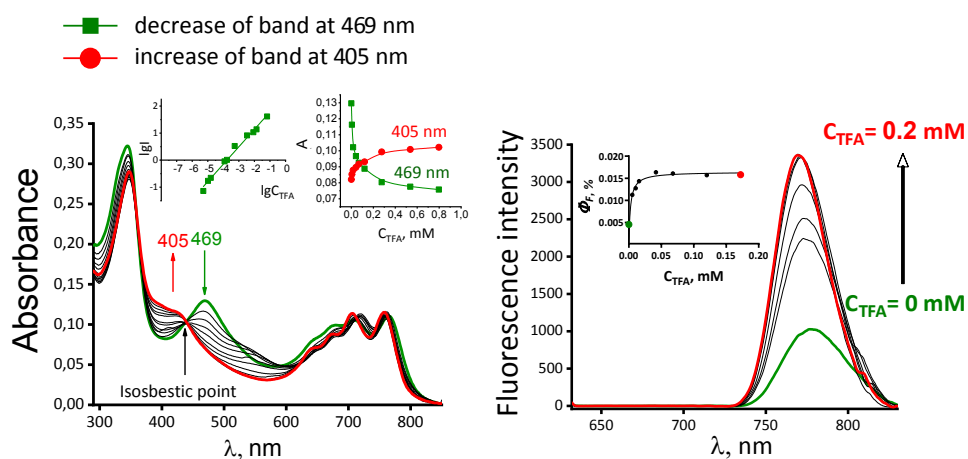


Figure S 7. Variations in absorption and emission spectra during titration by TFA of 4a

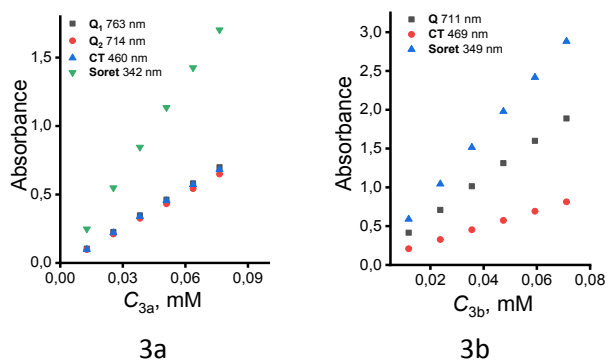


Figure S 8. Dependence of concentration on optical density of compounds 3

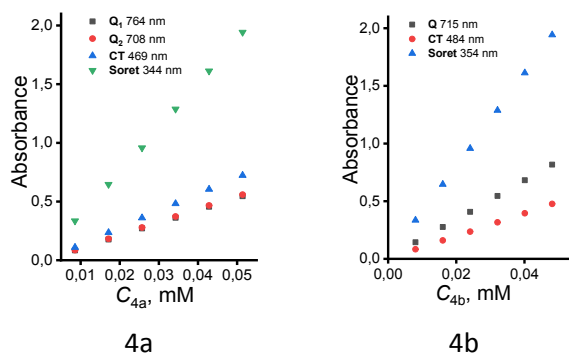


Figure S 9. Dependence of concentration on optical density of compounds 4

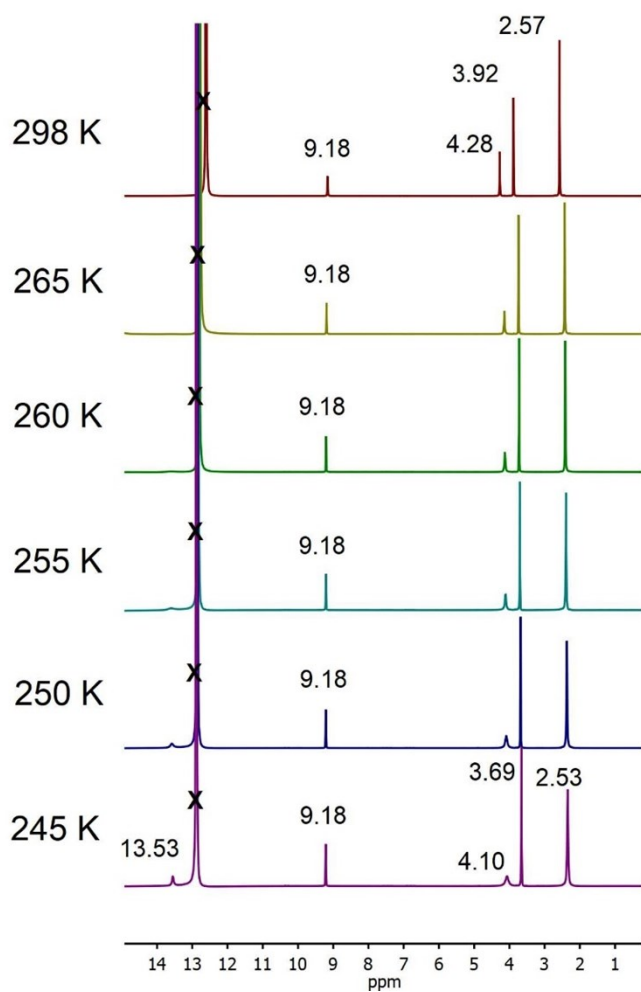


Figure S 10. ^1H dynamic NMR of compound **1** recorded in trifluoroacetic acid at different temperature, K

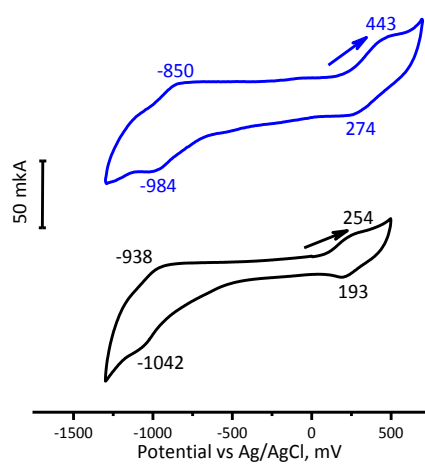


Figure S 11. CV of **3a** in acetonitrile (black), $V = 0.050$ V/s; in DMSO (blue), $V = 0.050$ V/s

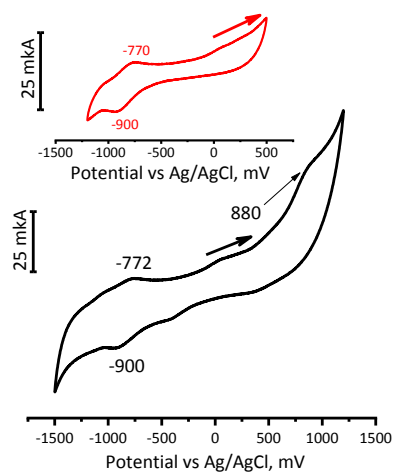


Figure S 12. CV of **4a** in acetonitrile (black and red), $V = 0.025$ V/s

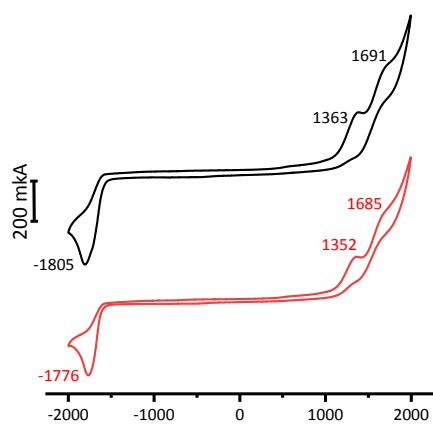


Figure S 13. CV of **1** (black) in acetonitrile, $V = 0.050$ V/s; CV of **2** (red) in acetonitrile, $V = 0.50$ V/s