Porphyrin-naphthodiimide interactions as a structural motif in foldamers and supramolecular assemblies

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Electronic Supplementary Information

Figure S1 ¹H NMR spectrum and numbering scheme for 2.
Figure S2 ¹H NMR spectrum and numbering scheme for 3.
Figure S3  van’t Hoff plot for the [DN38C10.3] system resulting from an equimolar admixture of DN38C10 and 3 in CDCl$_3$. The points are the measured data and the solid line is a guide to eye.
Figure S4 $^1$H NMR spectrum and numbering scheme for 10.
Figure S5  $^1$H NMR spectrum and numbering scheme for 11
Figure S6  $^1$H NMR spectrum and numbering scheme for 12.
Figure S7 Variable high temperature $^1$H NMR experiments for 10. As the temperature is increased, the naphthalene protons ND are shifted downfield. Selected peaks are identified by the non-systematic numbering shown above (s is CDCl$_3$).
Figure S8  $^{1}$H NMR spectra (CDCl$_3$) showing gradual downfield shifts of the diimide protons upon binding of pyridine (py) to Zn10.
**Figure S9** $^1$H NMR spectra of 10 in: CDCl$_3$ (top) and d$_6$-benzene (bottom).

**Figure S10** $^1$H NMR spectra (CDCl$_3$) showing the shift of naphthodiimide protons ND to about its original frequency upon protonation (bottom), relative to that of the free-base derivative 10 (top).
Figure S11  $^1$H NMR spectrum and numbering scheme for 17.
Figure S12 $^1$H NMR spectrum and numbering scheme for 18.