

Supporting Information

Mono-molecule-layer nano-ribbons formed by self-assembly of bolaamphiphiles

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Fig. S1. ^1H NMR spectra of **B**.

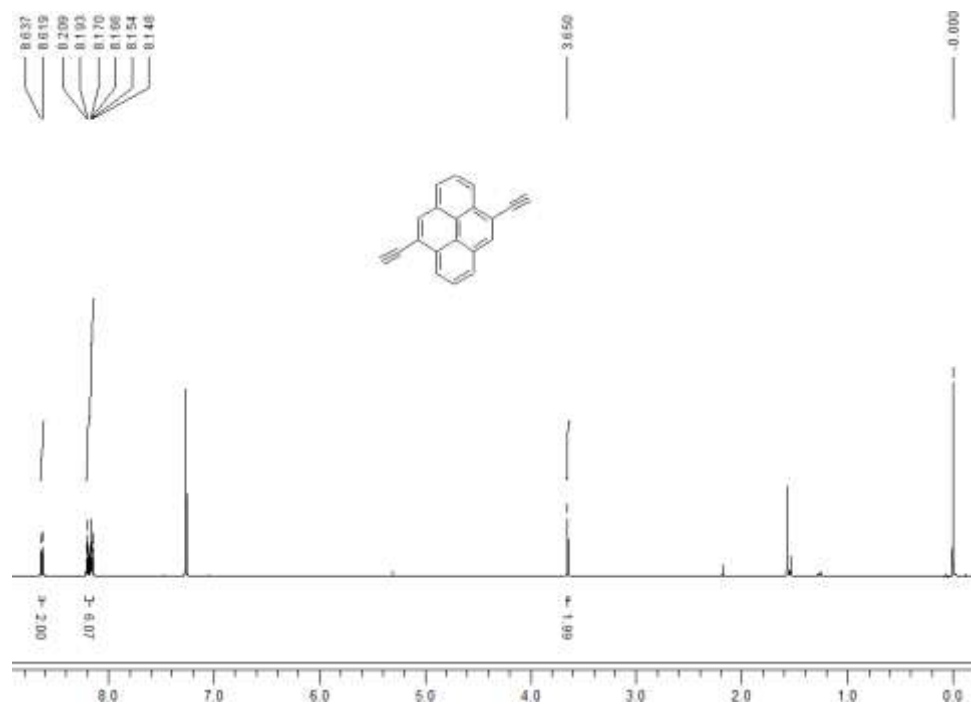


Fig. S2. ^1H NMR spectra of **C**.

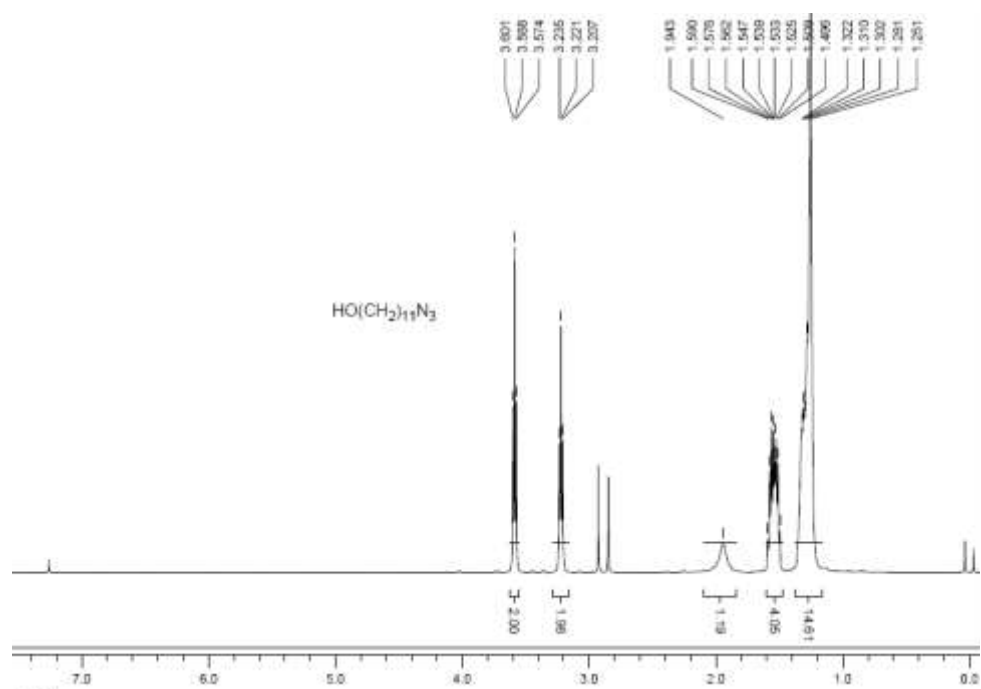


Fig. S3. ^1H NMR spectra of **D**.

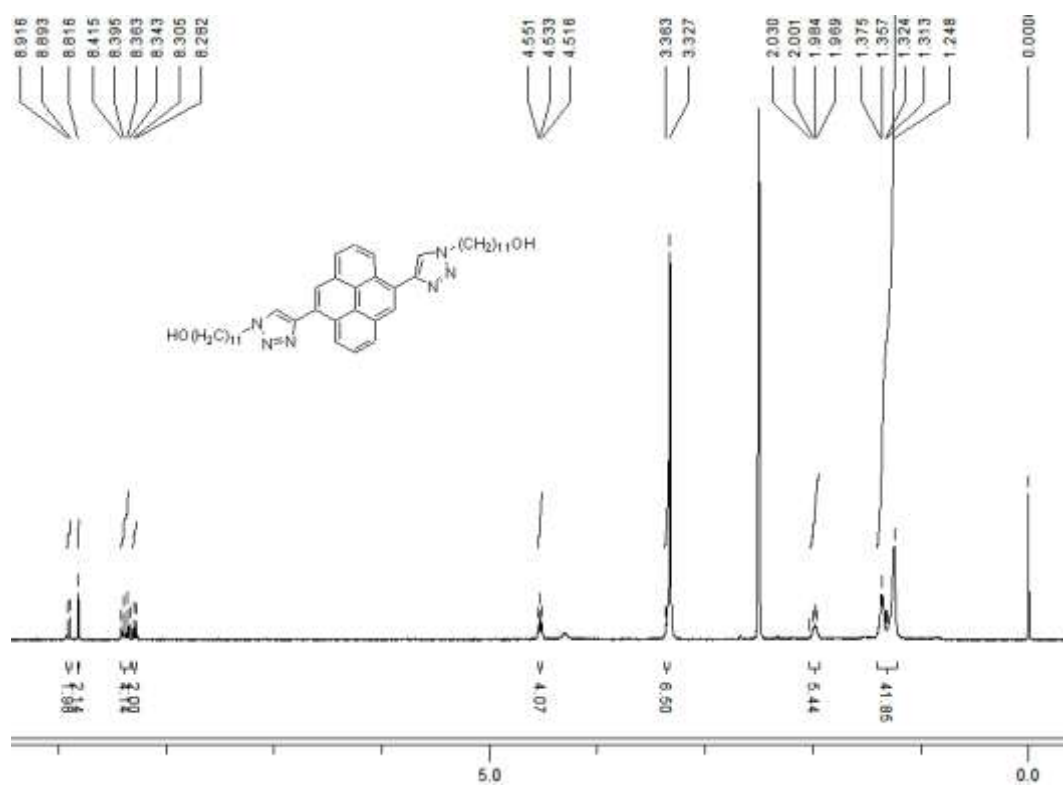


Fig. S4. ^1H NMR spectra of **E**.

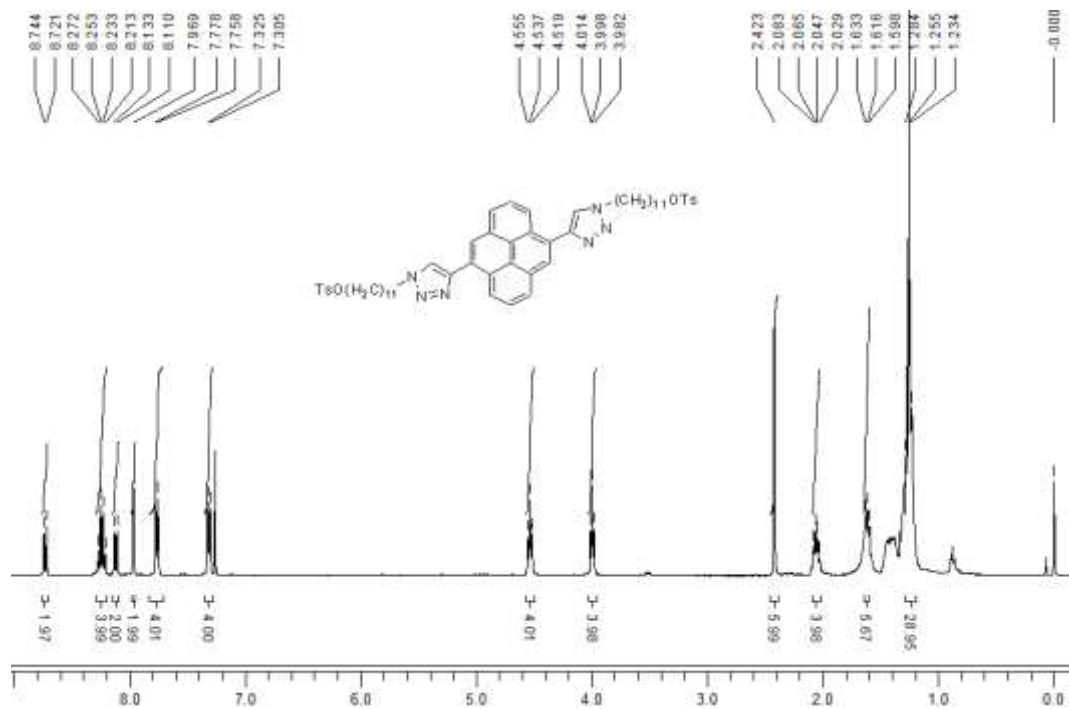


Fig. S5. ^1H NMR spectra of PyTz-11-Ts.

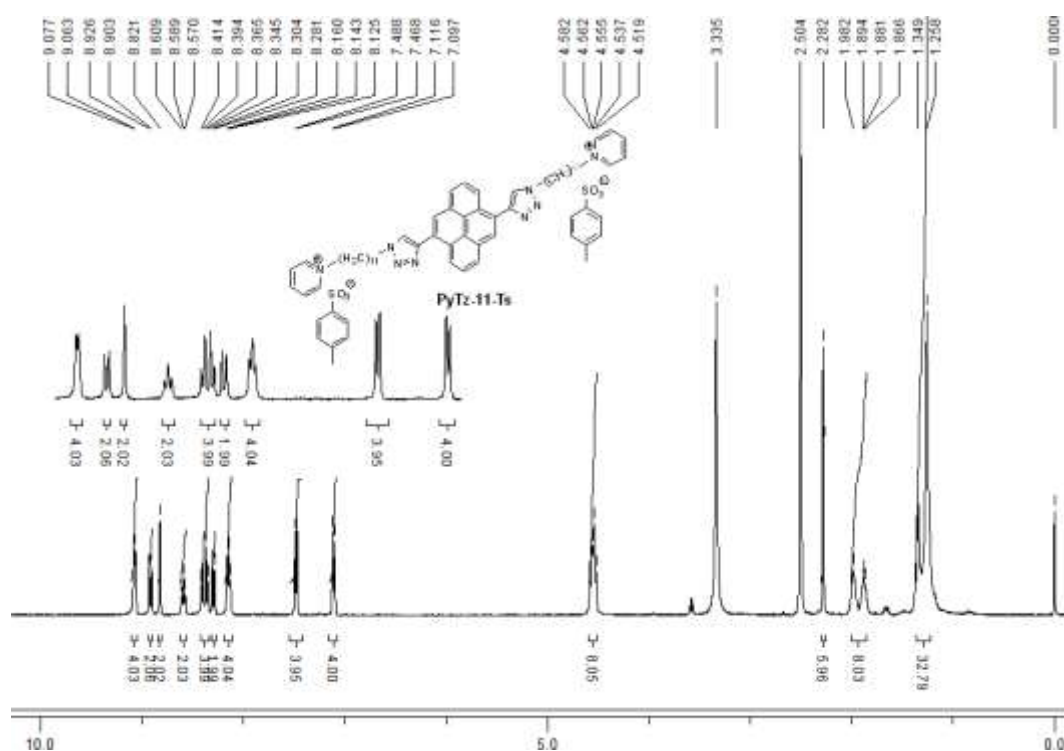


Fig. S6. ESI-MS spectra of PyTz-11-Ts.

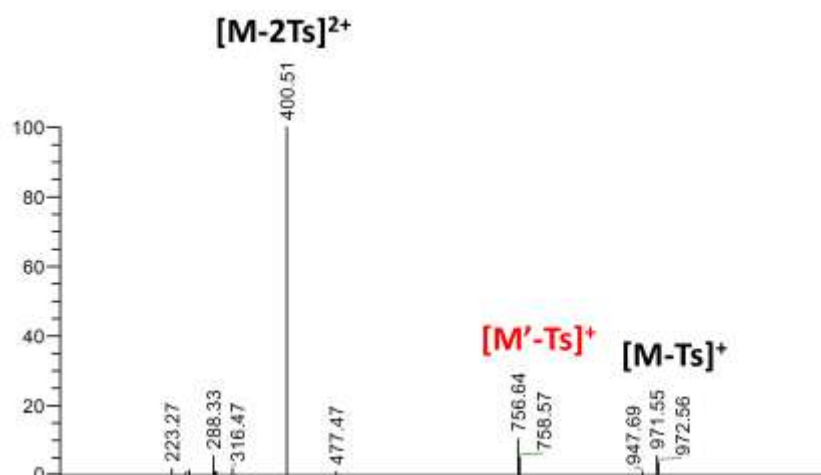


Fig. S7. NMR spectra of PyTz-11-Ts in aqueous solution with concentration of 1.0×10^{-3} mol/L. The peaks of pyridine are clear and strong, while the peaks of bistriazole-pyrene become relatively wide and weak, indicating the aggregation of the bolaamphiles.

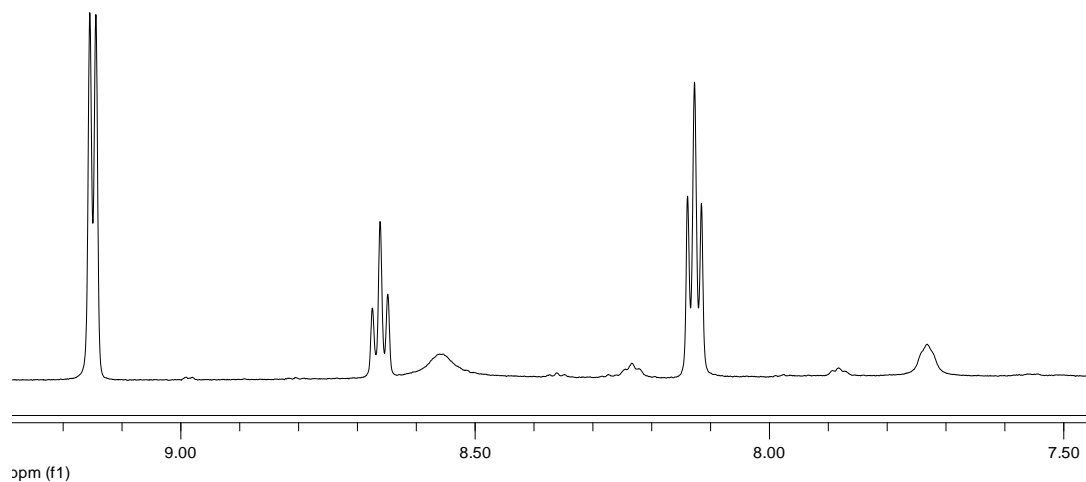


Fig. S8. Intermittent contact AFM images of PyTz-11-Ts after addition of 5 μL CH_3CN into 3 mL H_2O . The concentration of PyTz-11-Ts is 5×10^{-4} mol/L.

