Supplementary Information for

Synthesis and self-assembly of a D_{3h} symmetric polycyclic aromatic hydrocarbon into a rigid 2D honeycomb network

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Fig. S1 A STM image after adsorption of 4,4'-bipyridine guests within the supramolecular honeycomb network at the liquid (1-phenyloctane) – solid (HOPG) interface: (60 × 60 nm$^2$, $I_{set} =$ 145 pA, $V_{set} = -1100$ mV).
Mass spectra, $^1$H NMR and $^{13}$C NMR spectra for the synthesized compounds:


Mass spectrum (MALDI-TOF) [M+Na]$^+$ spectrum of compound HBC-COOH.
$^1$H NMR spectrum of **Compound 1** (CDCl$_3$, 300 MHz, RT)
\(^{13}\)C NMR spectrum of \textbf{Compound 1} (CDCl\(_3\), 75 MHz, RT)
$^1\text{H}$ NMR spectrum of Compound 2 (CDCl$_3$, 300 MHz, RT)
$^{13}$C NMR spectrum of Compound 2 (CDCl$_3$, 75 MHz, RT)
$^1$H NMR spectrum of Compound 3 (CDCl$_3$, 300 MHz, RT)
$^{13}$C NMR spectrum of **Compound 3** (CDCl$_3$, 75 MHz, RT)
$^1$H NMR spectrum of Compound 4 (CDCl₃, 300 MHz, RT)
$^{13}\text{C}$ NMR spectrum of Compound 4 (CDCl$_3$, 75 MHz, RT)
$^1$H NMR spectrum of HBC-COOH (THF-$d_8$, 300 MHz, RT)
$^{13}$C NMR spectrum of HBC-COOH (THF-d$_8$, 75 MHz, RT)