

A catemer-to-dimer structural transformation in cyheptamide

S1 Differential Scanning Calorimetry Analysis

A sample of cyheptamide (9.4 mg) was placed in a pierced 10 μ L Al pan and heated from 293 – 478 K at a rate of 5 K min⁻¹ on a Netzsch STA-449-C Jupiter simultaneous thermal analysis instrument (Fig S1). A small endotherm is observed with $T_{\text{onset}} = 441.6$ K corresponding with cyheptamide form I \rightarrow form II transition (Heat of transition = 5.291 kJ mol⁻¹) and a final melting endotherm for form II is observed at $T_{\text{onset}} = 464.1$ K (Heat of fusion = 25.106 kJ mol⁻¹). No significant change in mass was observed during the experiment (data not shown). All analyses were performed using the Netzsch Proteus data analysis package.

Figure S1 DSC trace for cyheptamide in the range 293 - 478 K

