**Electronic Supplementary Information** 

## Self-Organization of Amide Dendrons with Focal Dipeptide Units

Jeonghun Lee,<sup>a</sup> Joung Min Kim,<sup>b</sup> Mikyoung Yun,<sup>a</sup> Chiyoung Park,<sup>a</sup> Junwon Park,<sup>b</sup> Keun Hyeung Lee,<sup>\*,b</sup> Chulhee Kim<sup>\*,a</sup>

<sup>a</sup>Department of Polymer Science and Engineering, Inha University, Incheon 402-751, Korea

<sup>b</sup>Department of Chemistry, Inha University, Incheon 402-751, Korea

\*To whom correspondence should be addressed, E-mail: leekh@inha.ac.kr, chk@inha.ac.kr



Figure S1. MALDI-TOF mass spectrum of 2G-GlyGly. [M+Na]<sup>+</sup> calcd 1522.17, obsd 1522.80



Figure S2. MALDI-TOF mass spectrum of 1G-GlyGly. [M+Na]<sup>+</sup> calcd 731.54, obsd 731.81



Figure S3. MALDI-TOF mass spectrum of 2G-PhePhe. [M+Na]<sup>+</sup> calcd 1703.27, obsd 1701.92



Figure S4. MALDI-TOF mass spectrum of 1G-PhePhe. [M+Na]<sup>+</sup> calcd 911.64, obsd 911.73



**Figure S5**. SAXS spectrum of **2G-PhePhe** in HFIP/water (s=0.0242, 41.3Å), where  $s(Å^{-1}) = (\lambda/2\sin\theta)$ .