Hydrogels by Enantioselective Self-Assembly of Histidine-Derived Amphiphiles with Tartaric Acid

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Supporting Information

Fig. S1 Synthesis process of (4R,6S)-UIPCA.

Fig. S2 EI-MS spectrum (positive ion mode) of UIPCA.
Fig. S3 $^1$H NMR of UIPCA in DMSO.

Fig. S4 CD spectra of L-histidine, D-histidine, (4R,6S)-UIPCA and (4S,6R)-UIPCA.

The L-histidine and D-histidine are 20 mM aqueous solutions. The (4R,6S)-UIPCA
and (4S,6R)-UIPCA are 20 mM methanol solutions. $T = 25^\circ C$.

**Fig. S5** Photographs of the samples of 20 mM (4R,6S)-UIPCA (up) and 20 mM (4S,6R)-UIPCA (bottom) with (a) 100 mM L-TA; (b) 100 mM D-TA; (c) 100 mM Meso-TA; (d) 100 mM L-MA; (e) 100 mM L-LA; and (f) 100 mM SA.
**Fig. S6** DSC curves of hydrogels formed by 100 mM TA with different concentrations of UIPCA. The UIPCA concentrations were marked in the Figures.