

Supplementary Materials

Gelation Based on Host–guest Interactions Induced by Multi-functionalized Nanosheets

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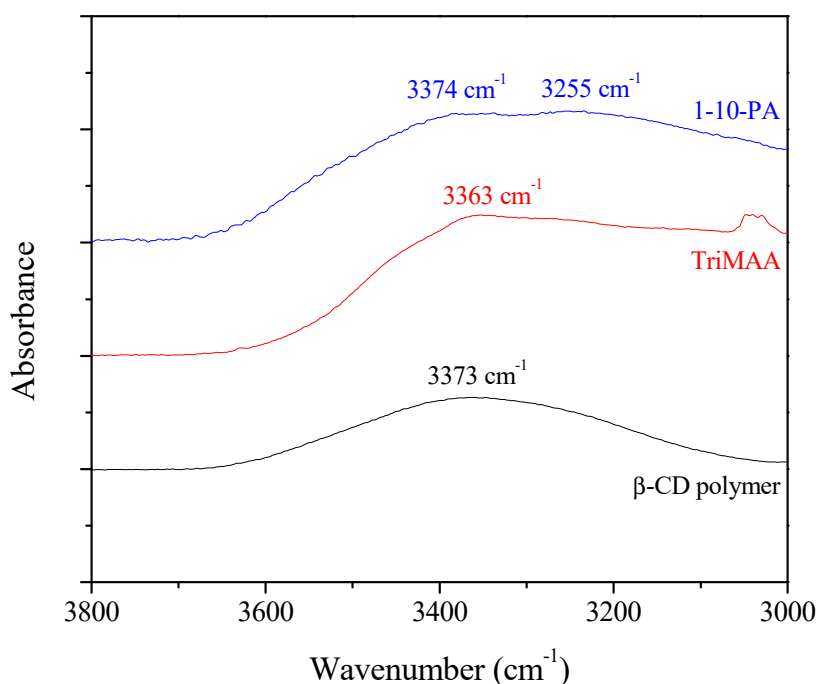


Figure S1. ATR-FTIR spectra of β -CD polymer, TriMAA, and 1-10-PA.

The peak position of -OH vibration can be used as an indication of the host–guest interaction through the hydrogen bond.[1] The wavenumber of -OH vibration in β -CD polymer and TriMAA are 3373 and 3363 cm⁻¹, respectively. However, within the 1-10-PA gel, besides the peak at 3374 cm⁻¹, another broad peak showed up at 3255 cm⁻¹, which indicates the formation of aggregation compound.[2]

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2. Zhong, X.; Hu, C.; Yan, X.; Liu, X.; Zhu, D. Aggregate morphology transition of an adamantane-containing surfactant via the host–guest interaction with β -cyclodextrin. *Journal of Molecular Liquids* **2018**, *272*, 209–217.