

Electronic Supplementary Information

Photochirogenic nanosponges. Phase-controlled enantiodifferentiating photoisomerization of (Z)-cyclooctene sensitized by pyromellitate-crosslinked linear maltodextrin

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Thermogravimetric analysis (TGA)

Instrument: TA Instruments 2050 TGA V5.4A.

Program: equilibrate at 25°C, ramp 10°C/min to 800°C under nitrogen atmosphere.

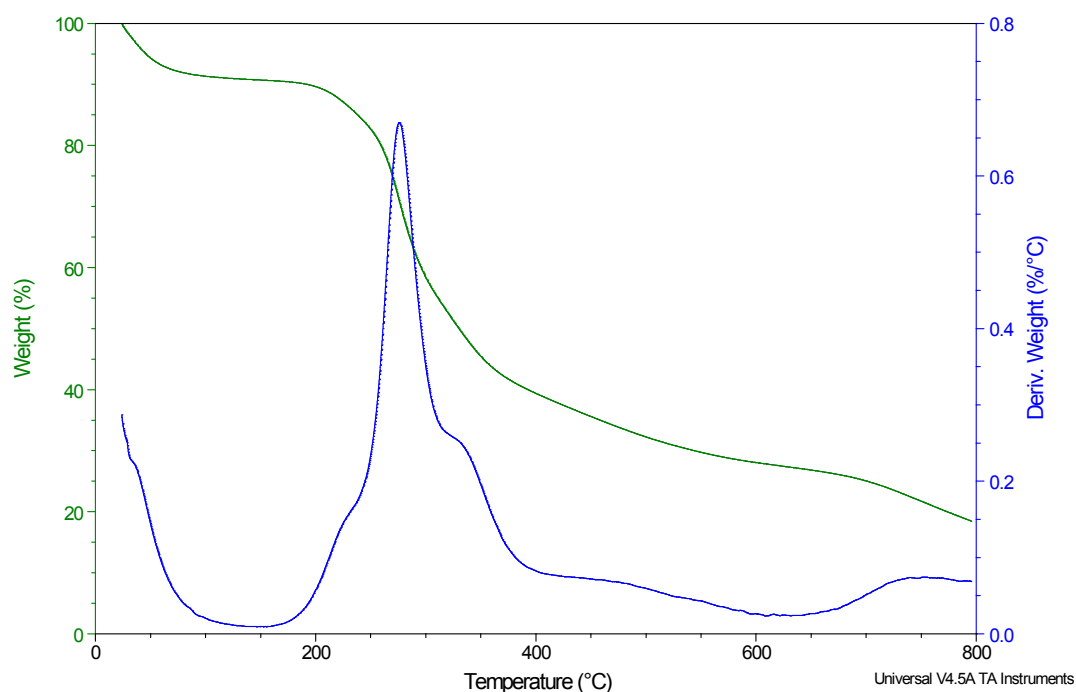


Figure S1. TGA of LM-NS 7 (green line) and the derivative curve (blue line). Amount of adsorbed water: 10.06 %.

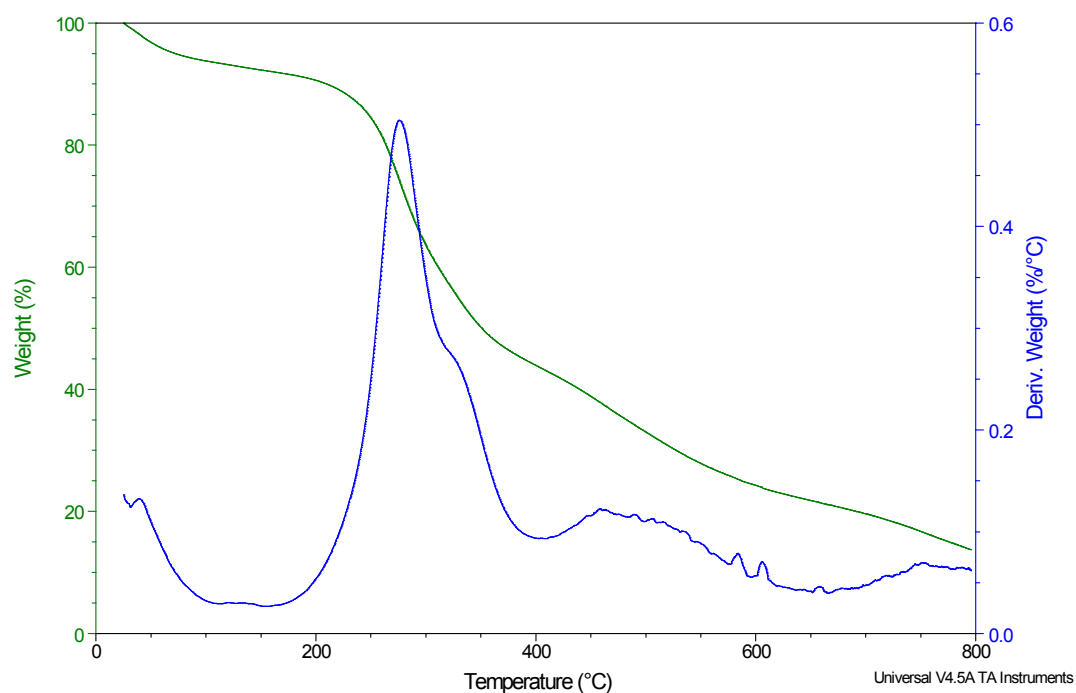


Figure S2. TGA of LM-NS 8 (green line) and the derivative curve (blue line). Amount of adsorbed water: 10.4 %.

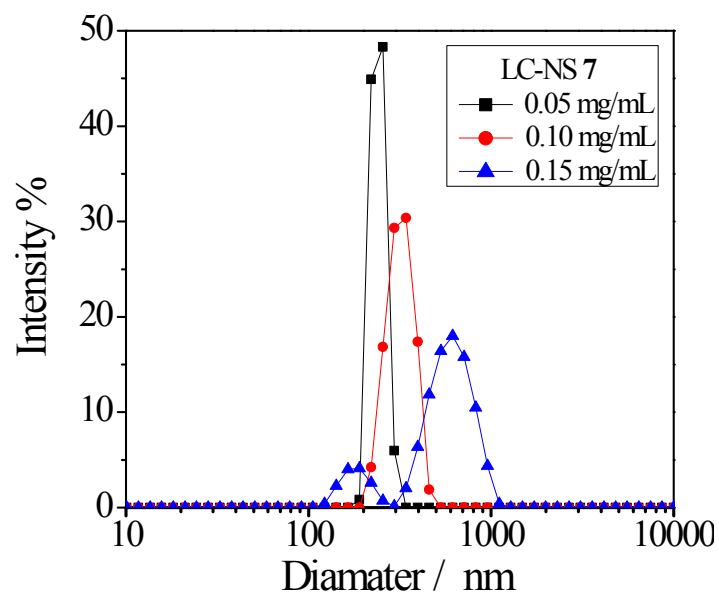


Figure S3. Dynamic light scattering (DLS) intensities for LC-NS 7 measured at 0.05 (black), 0.10 (red) and 0.15 (blue) mg/mL concentrations in aqueous solution.

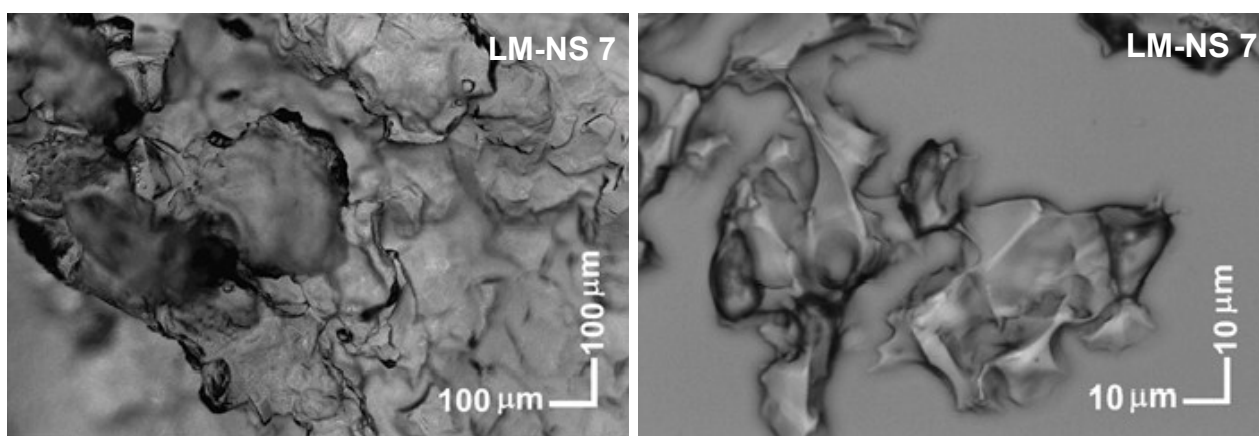


Figure S4. Optical microscope images of LC-NS 7 in the rigid gel phase.

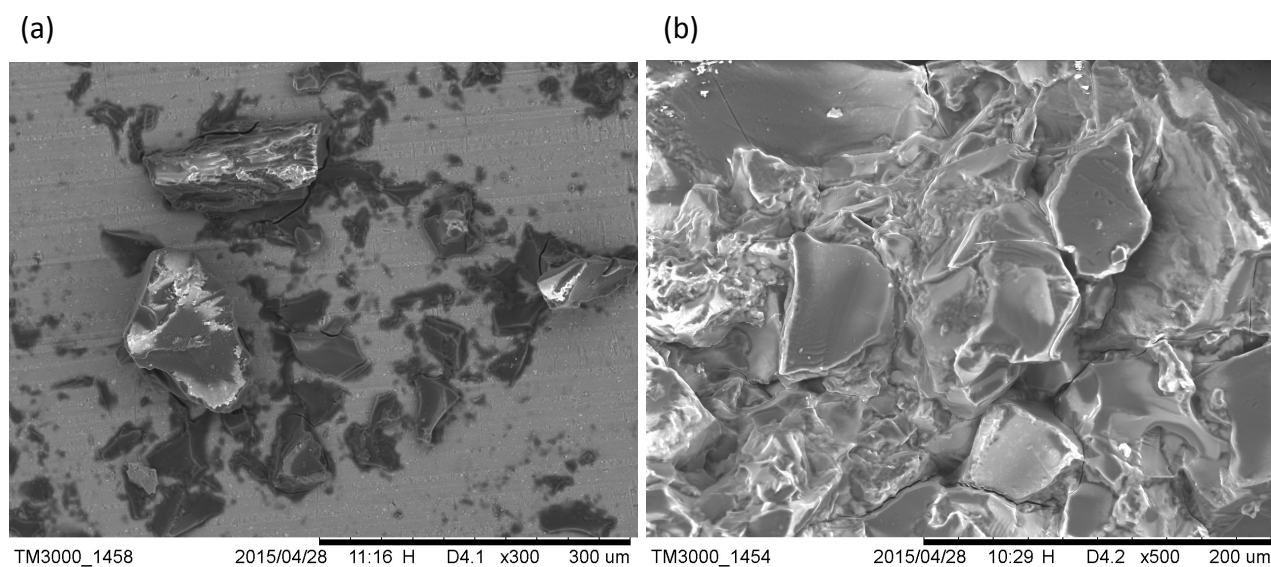


Figure S5. SEM images of LM-NS **7** in (a) flowing gel and (b) rigid gel phase.

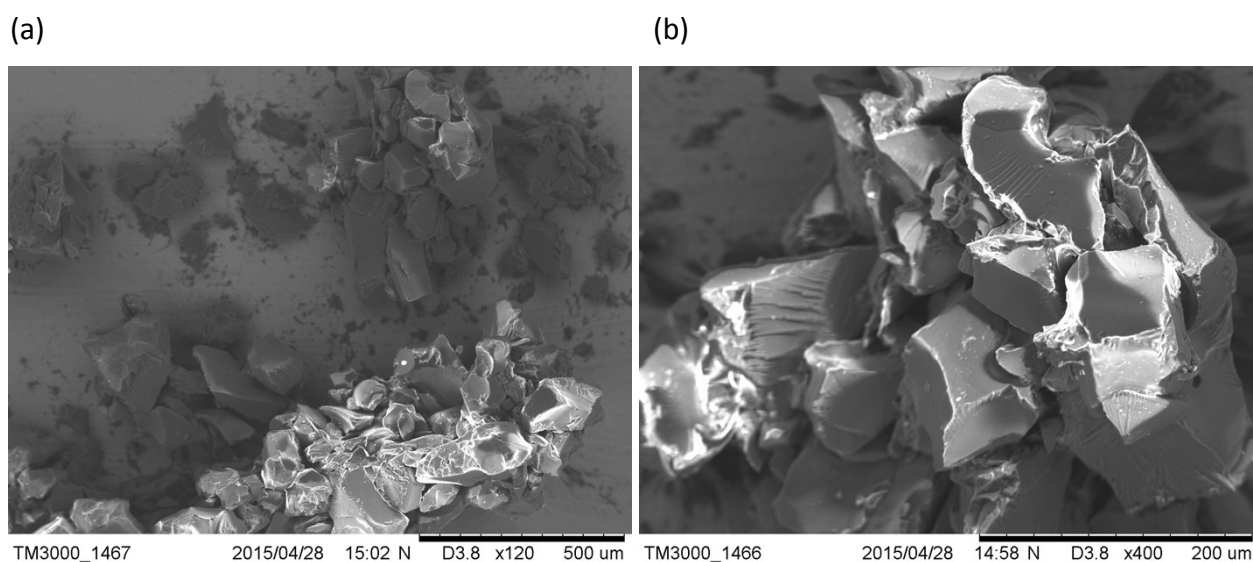


Figure S6. SEM images of LM-NS **8** in (a) flowing gel and (b) rigid gel phase.