Supplementary Material

S1. Characterization of BDMC, PHLO, and co-crystallization products of BDMC and PHLO, (a) DSC thermograms at a heating rate of 10°C·min⁻¹, and 2°C min⁻¹ (blue line): DSC curves of pure substances are shown as dotted lines, grey bar indicates eutectic melting; (b) PXRD diffractograms: characteristic peaks of pure PHLO and BDMC are marked as dotted green and orange lines, a PXRD diffractogram of a sample produced from eutectic melt was not measured due to decomposition.

Abbreviations: RSR-rapid solvent removal, SSE-slow solvent evaporation, LAG-liquid assisted grinding.



S2. Thermogravimetric analysis (TGA-DSC) of pure HYQ, heating rate: 2°C·min⁻¹.



S3. Polarized light microscope images of HYQ-BDMC co-crystal grown from ethyl acetate, (a) BDMC crystallizes first from the solution, (b) starting nucleation of HYQ-BDMC co-crystals at a gas-liquid interface, (c) and (d) ongoing co-crystal nucleation, and growth as spherulites





(b)





(d)

S4. SEM micrographs of (a) pure BDMC crystals at 200x magnification, (b) pure HYQ crystals at 250x magnification; detection of backscatter electrons

