Electronic Supplementary Material (ESI) for CrystEngComm

Supporting information for

Crystal engineering approach to improve the solubility of mebendazole

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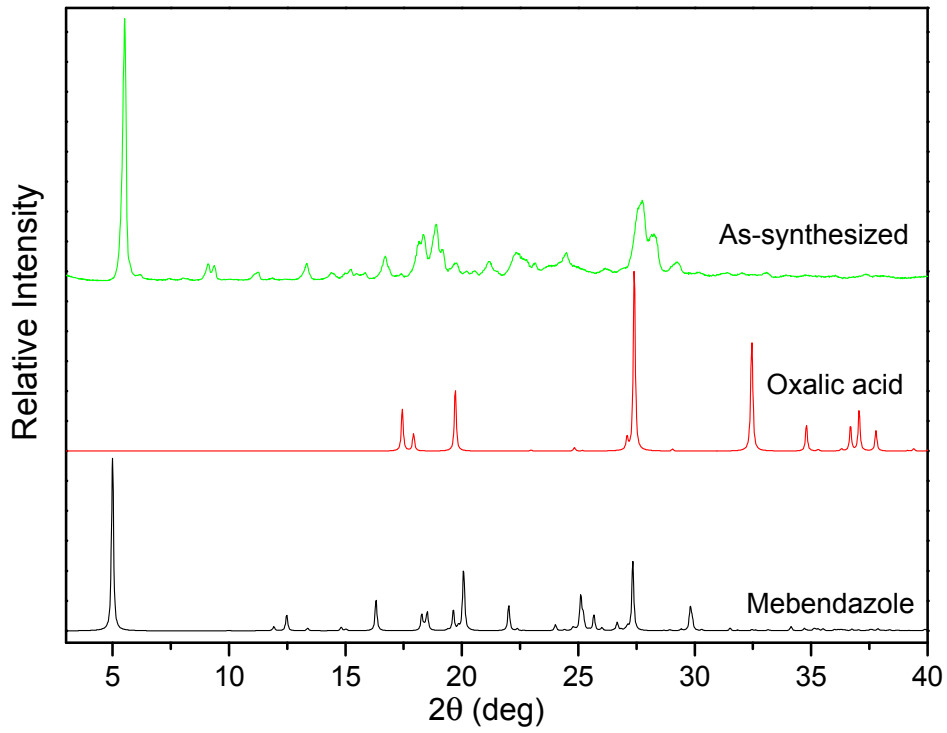
(a)



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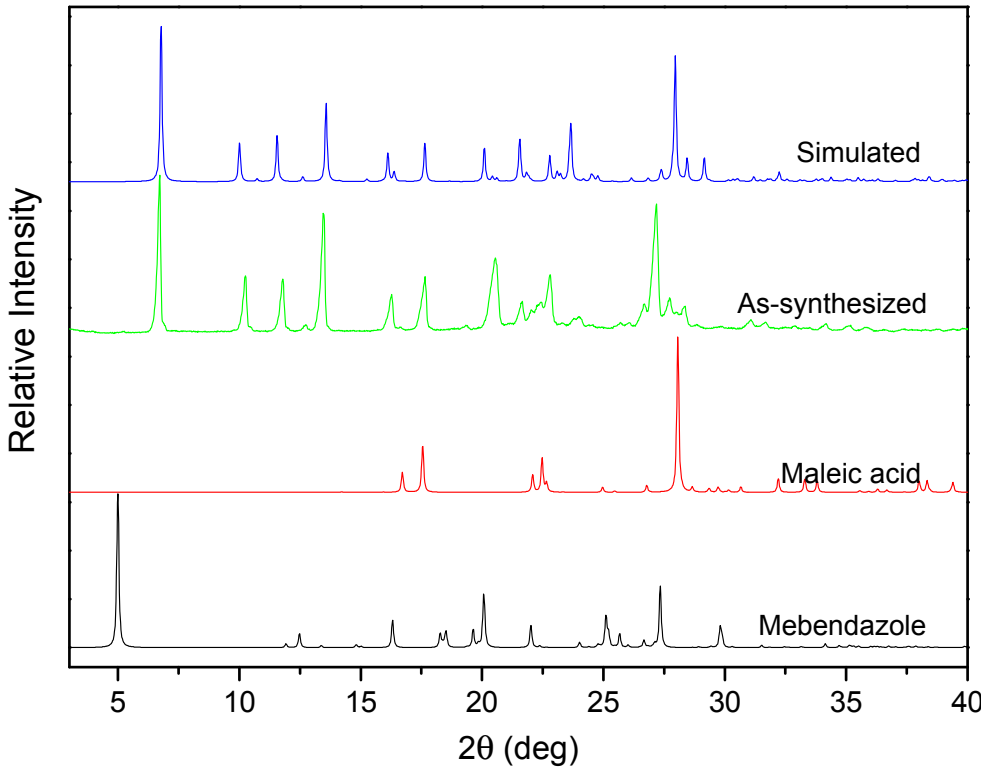

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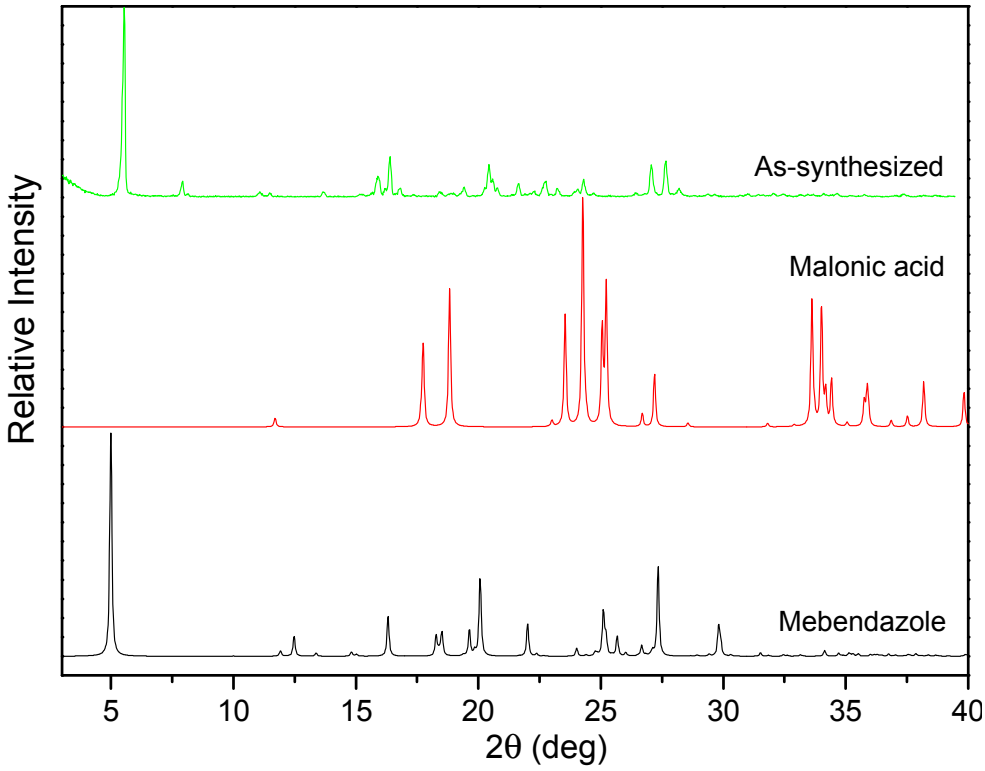


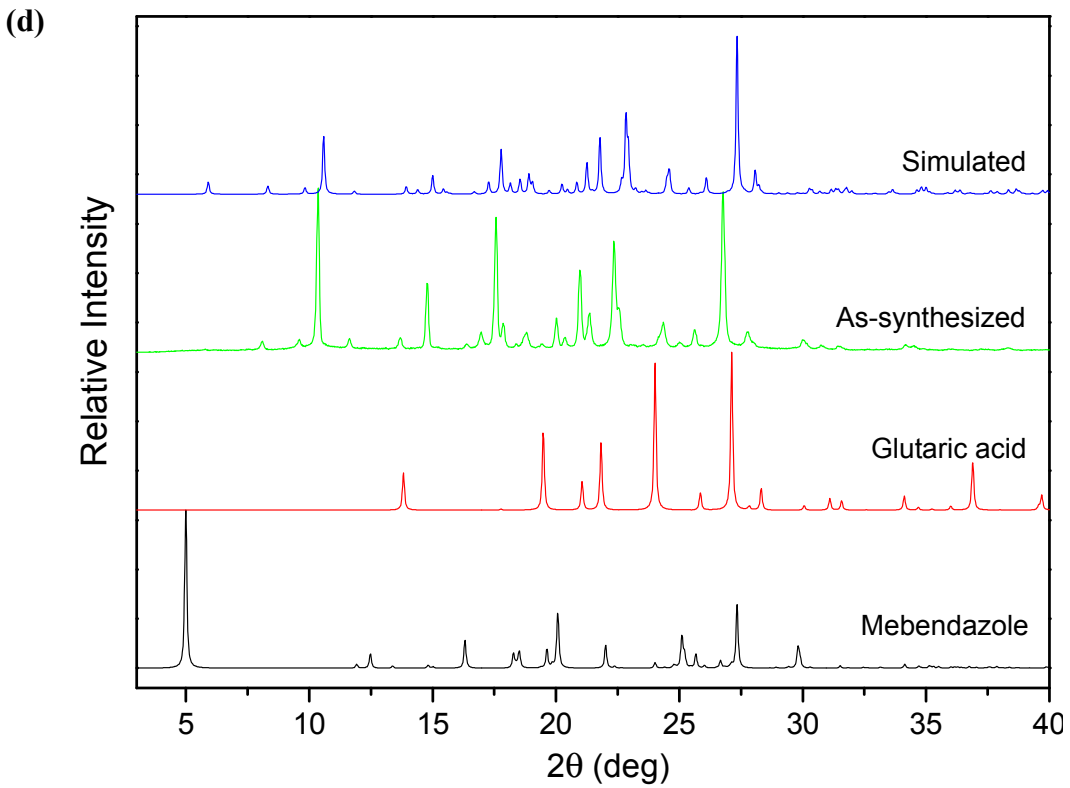
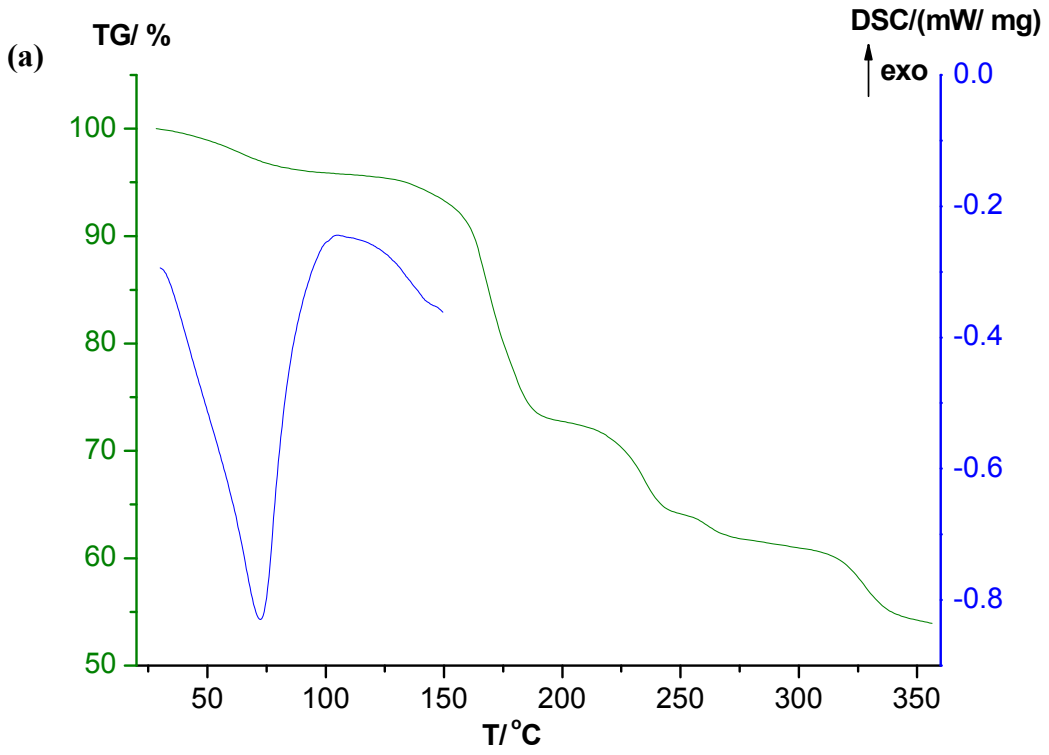
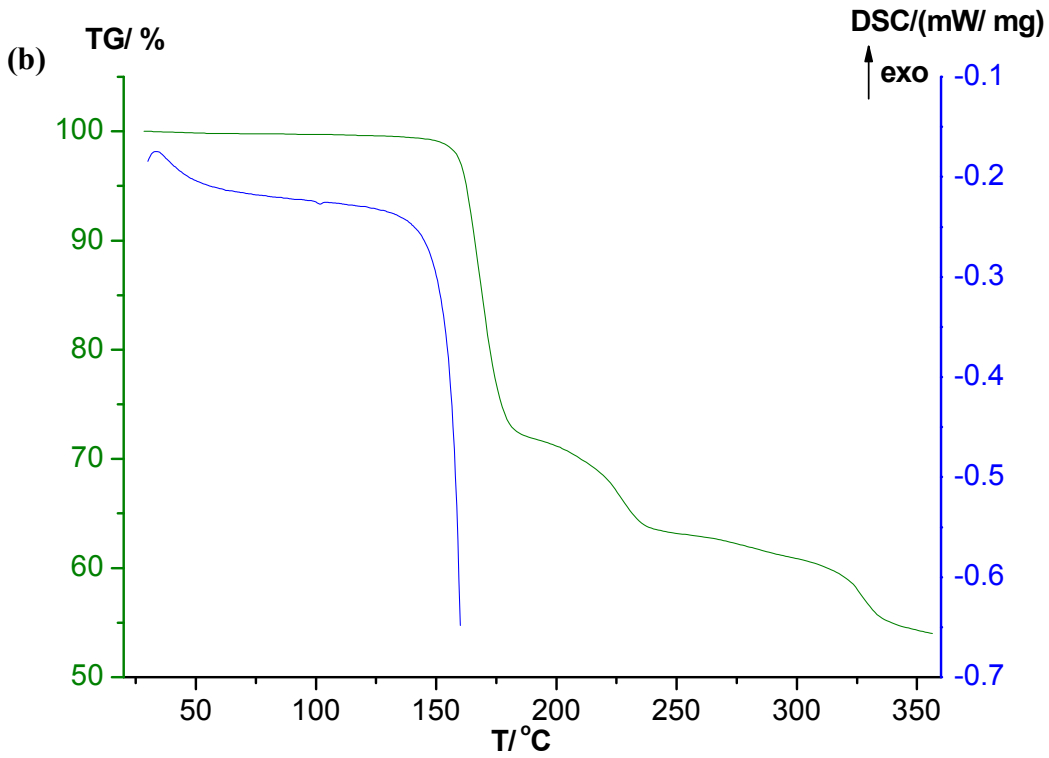


Fig. S1 PXRD patterns of mebendazole, co-formers, as-synthesized by reaction crystallization method, and simulated from the single-crystal data for (a) **1**·H_2O, (b) **2**, (c) **3**, and (d) **4**.





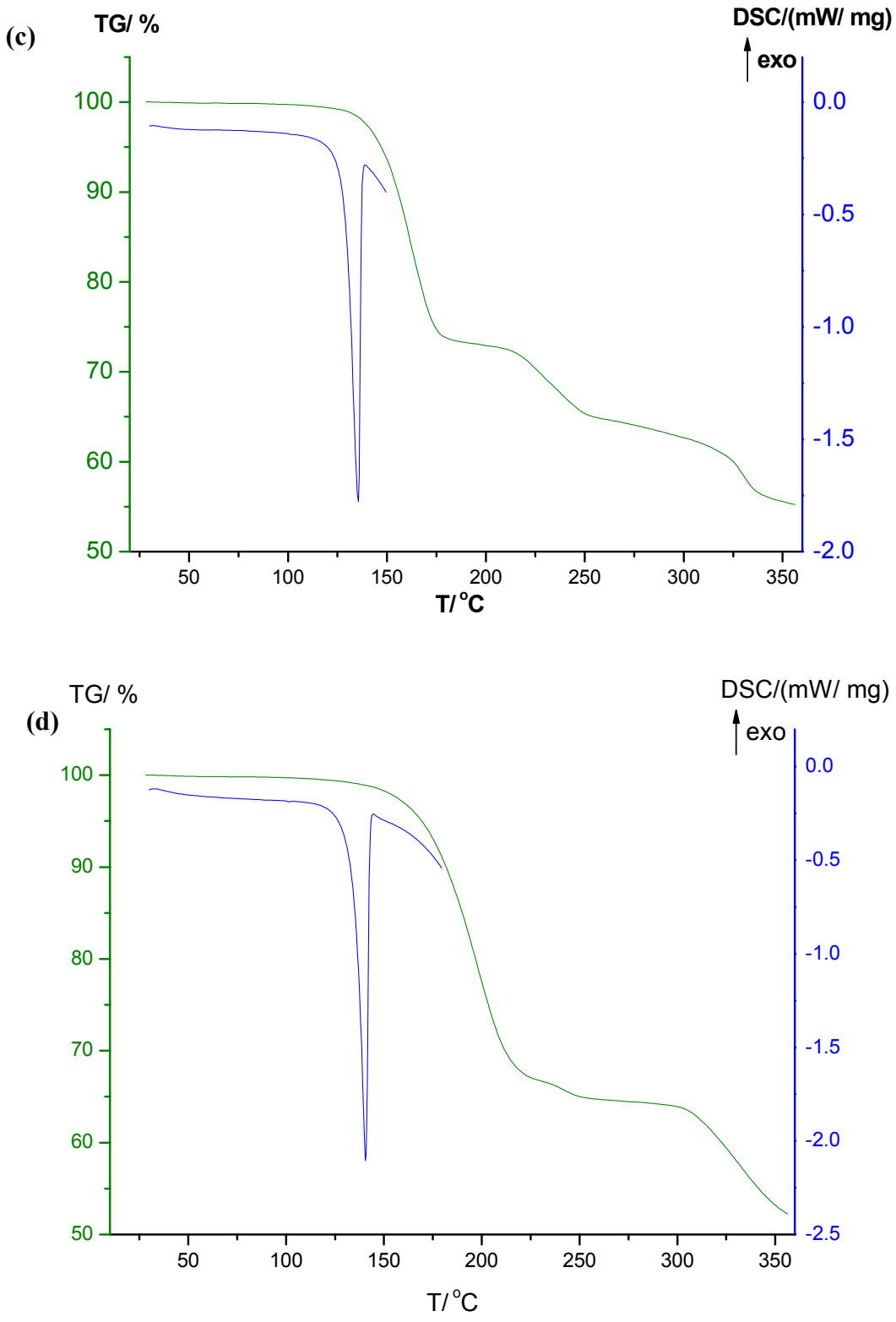


Fig. S2 The TG and DSC curves for (a) **1**·H_2O, (b) **2**, (c) **3**, and (d) **4**.

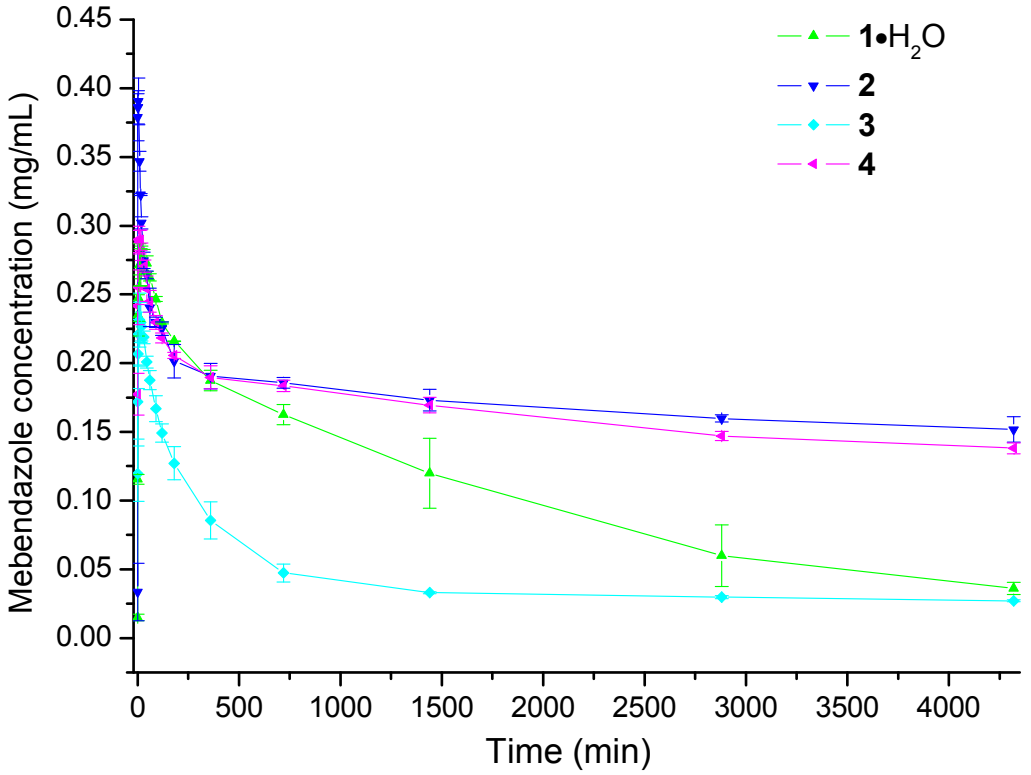
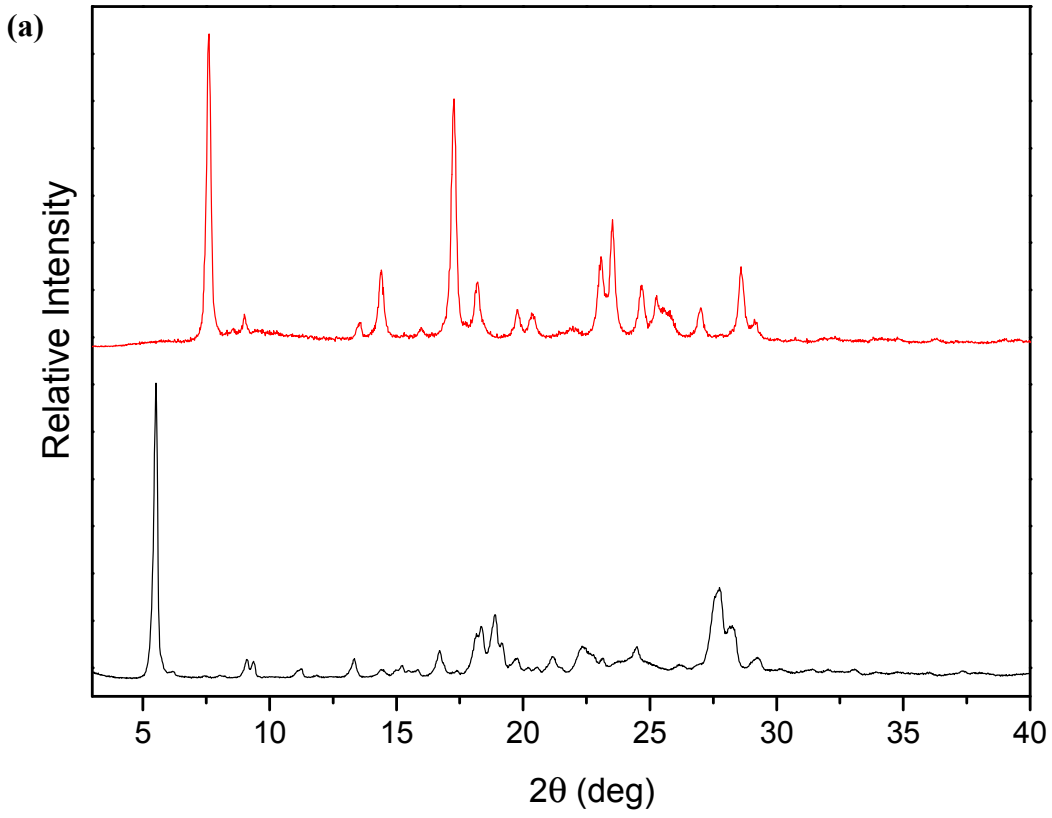
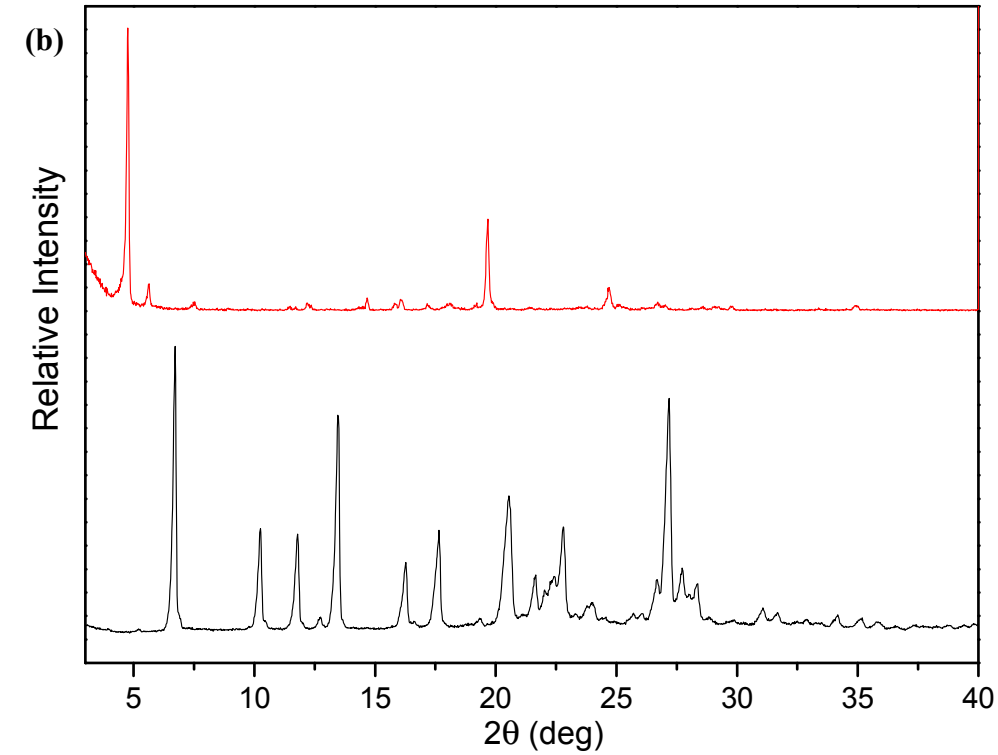
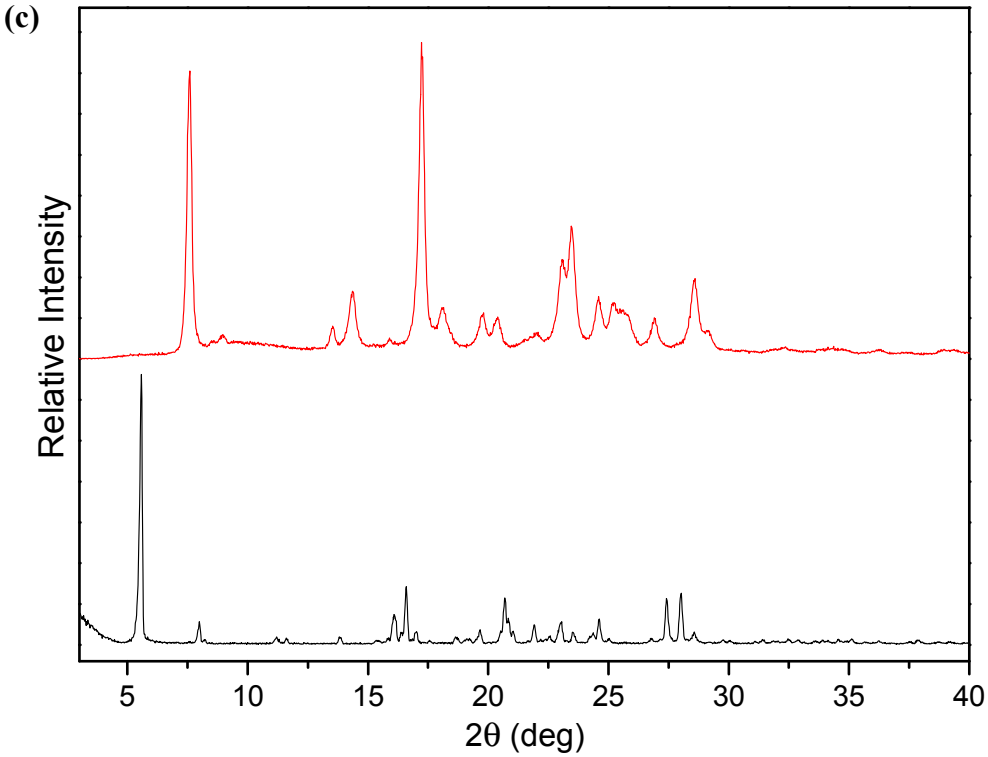


Fig. S3 Dissolution profiles for **1**·H_2O and **2**-**4** in 0.1 M HCl for 72 h.







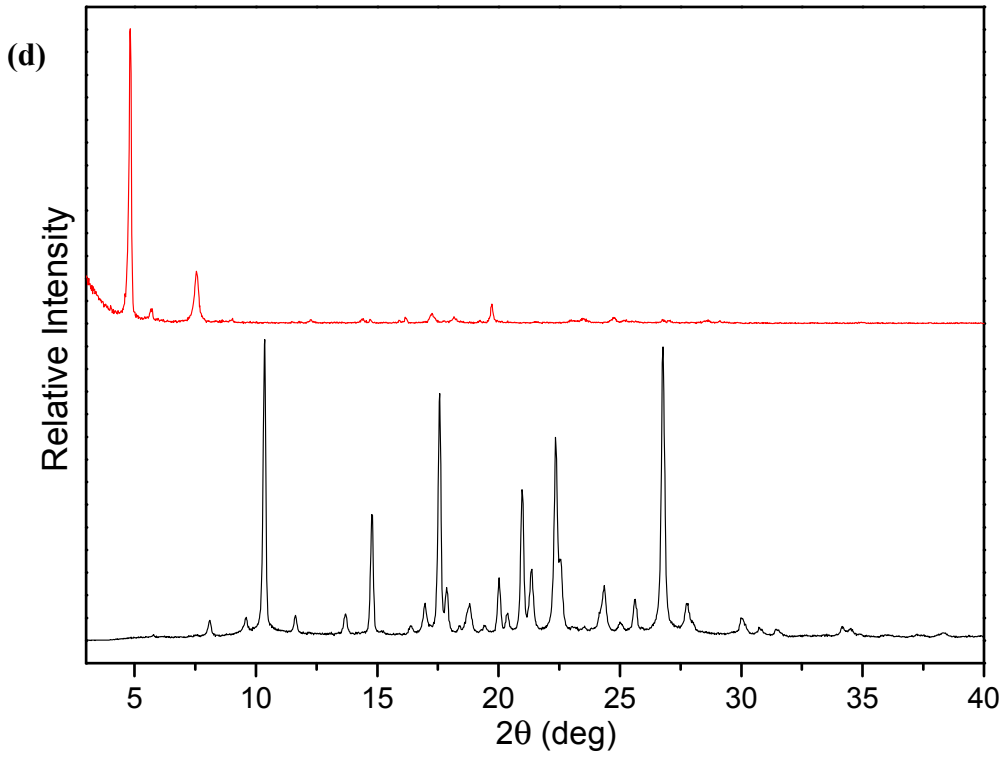
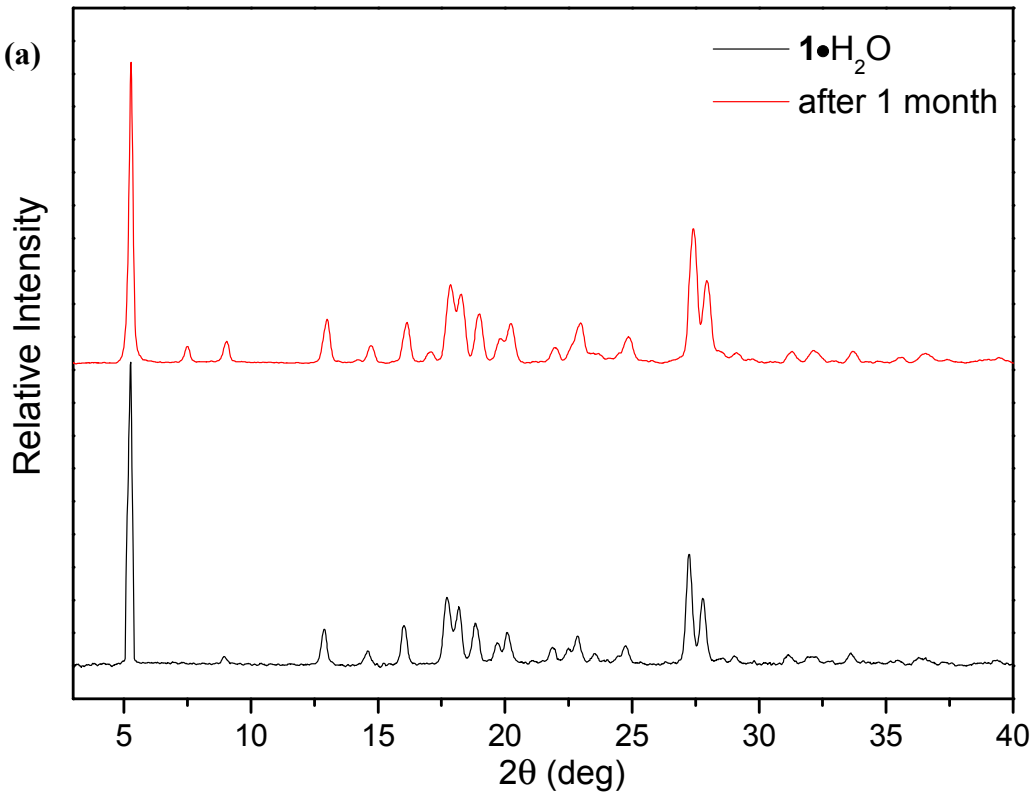
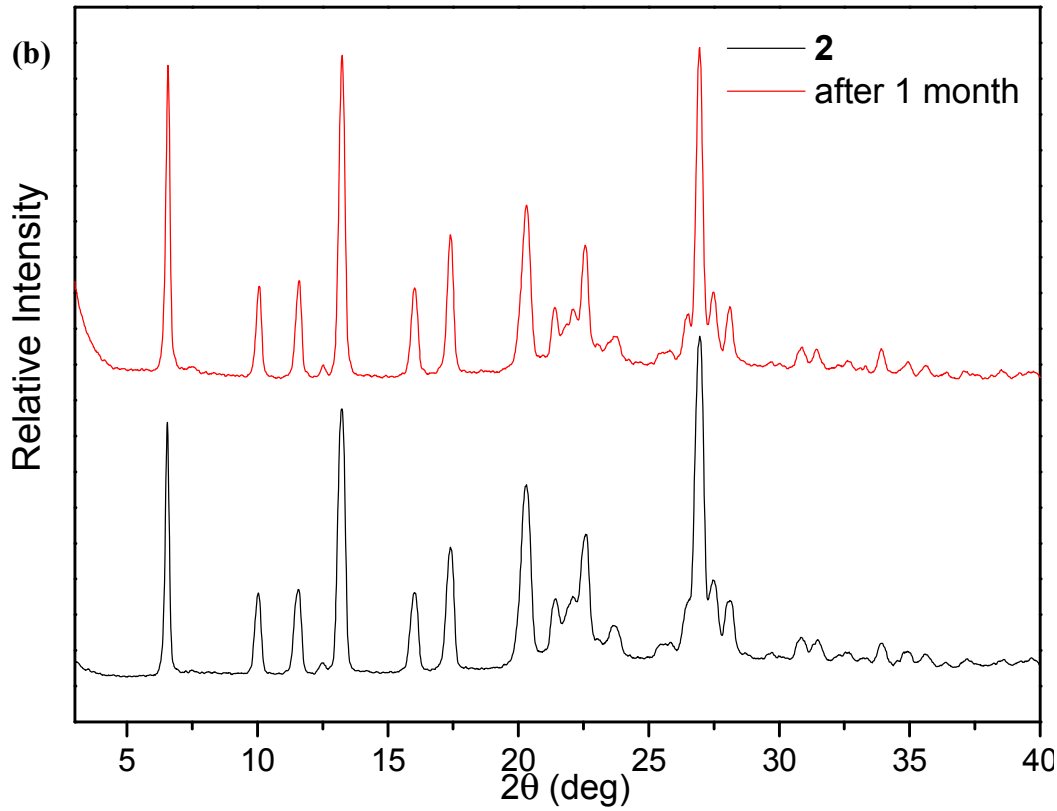
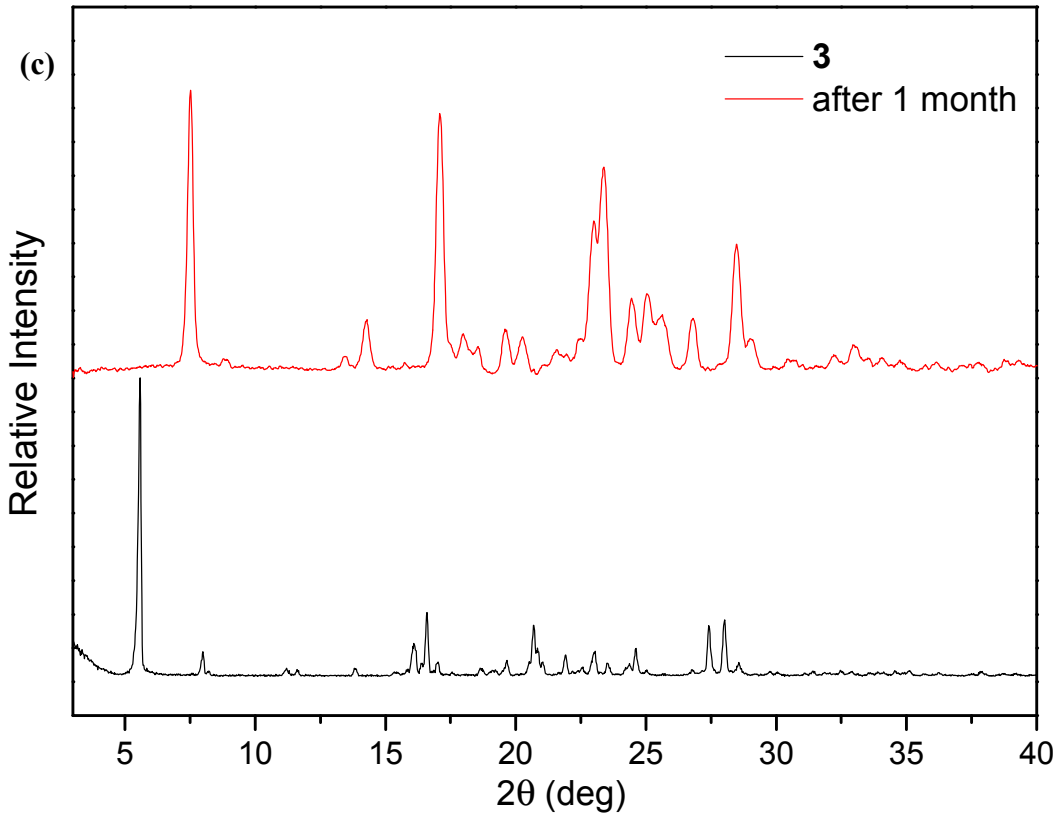


Fig. S4 PXRD patterns before (black patterns) and after 72 h (red patterns) dissolution experiments in 0.1 M HCl for (a) **1**·H_2O, (b) **2**, (c) **3**, and (d) **4**.







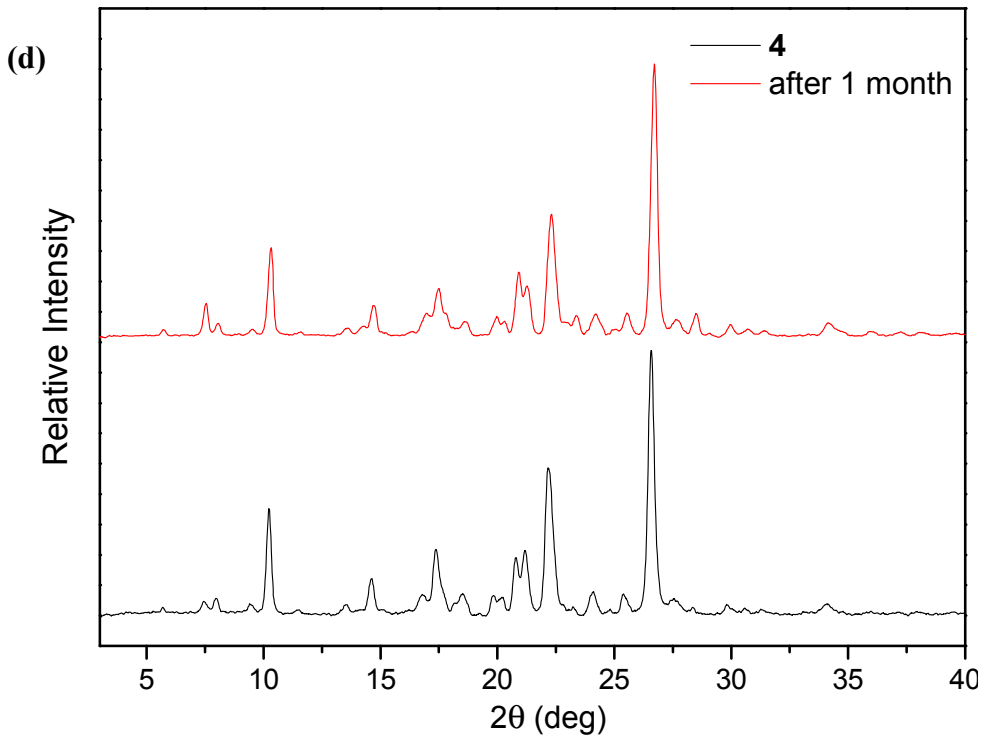


Fig. S5 PXRD patterns before (black patterns) and after (red patterns) one month's stability tests at 40 °C/75% RH for (a) **1**·H_2O, (b) **2**, (c) **3**, and (d) **4**.