SUPPORTING INFORMATION

Fluconazole Cocrystals with Dicarboxylic Acids

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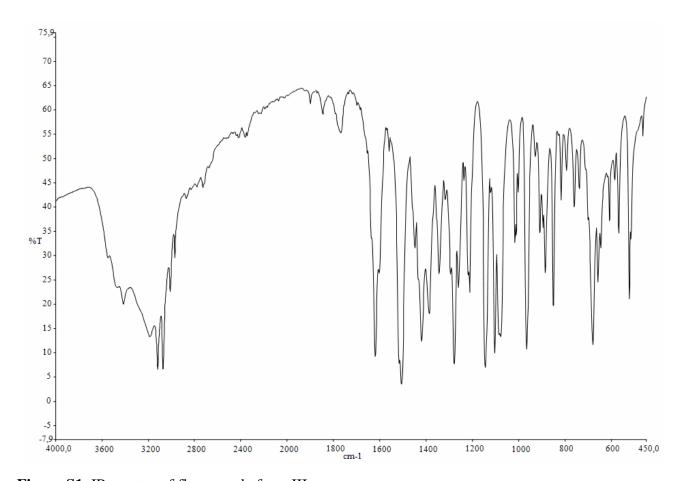
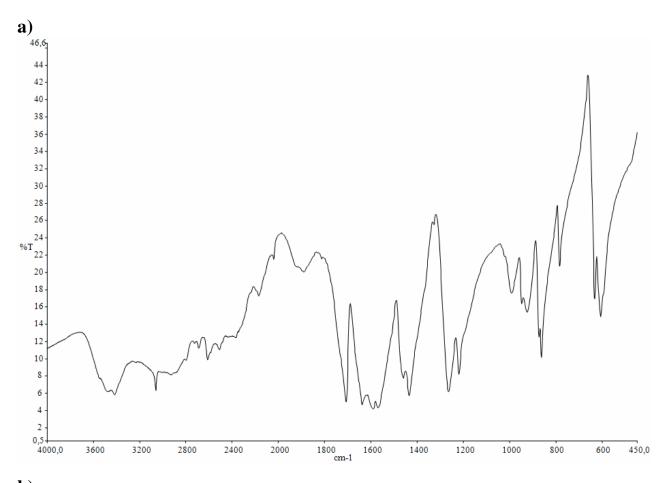


Figure S1. IR spectra of fluconazole form III.



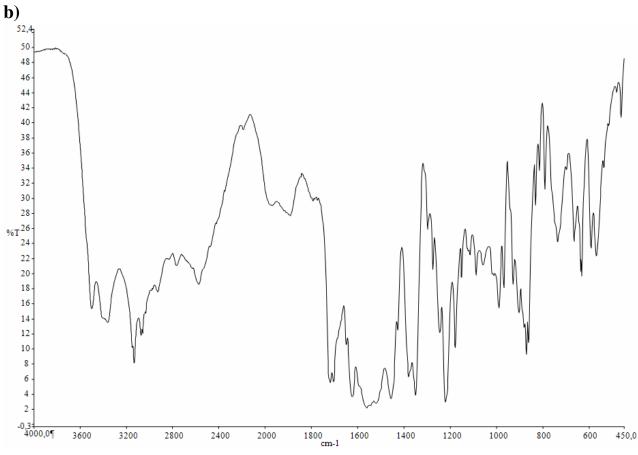
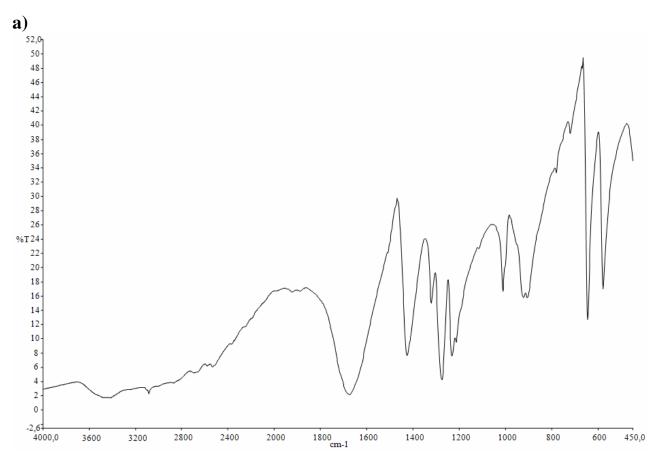


Figure S2. IR spectra of a) maleic acid and b) cocrystal 1.



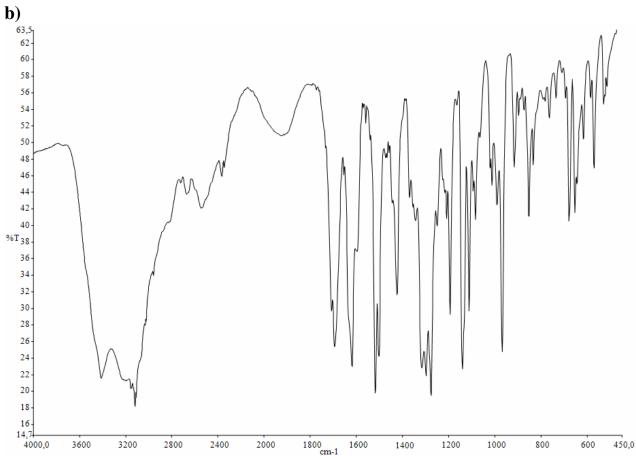
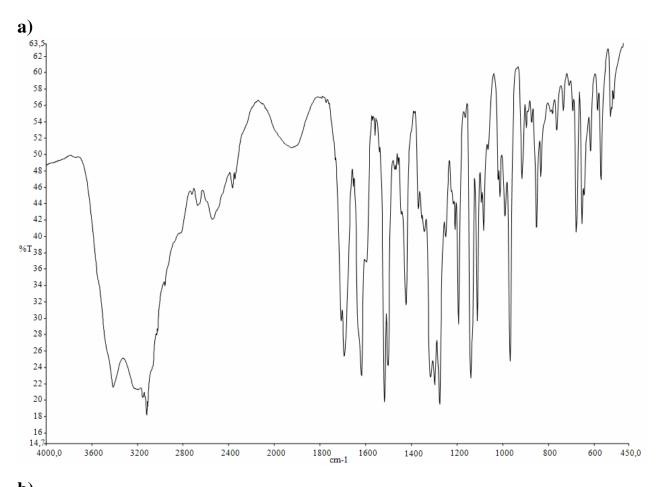


Figure S3. IR spectra of a) fumaric acid and b) cocrystal 2.



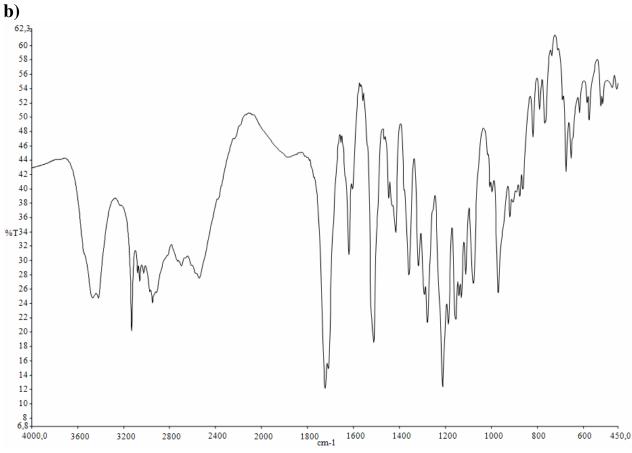


Figure S4. IR spectra of a) glutaric acid and b) cocrystal 3.

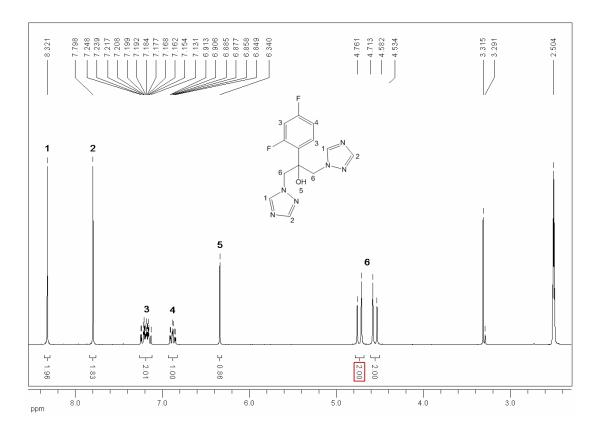


Figure S5. Solution¹H NMR spectra of fluconazole.

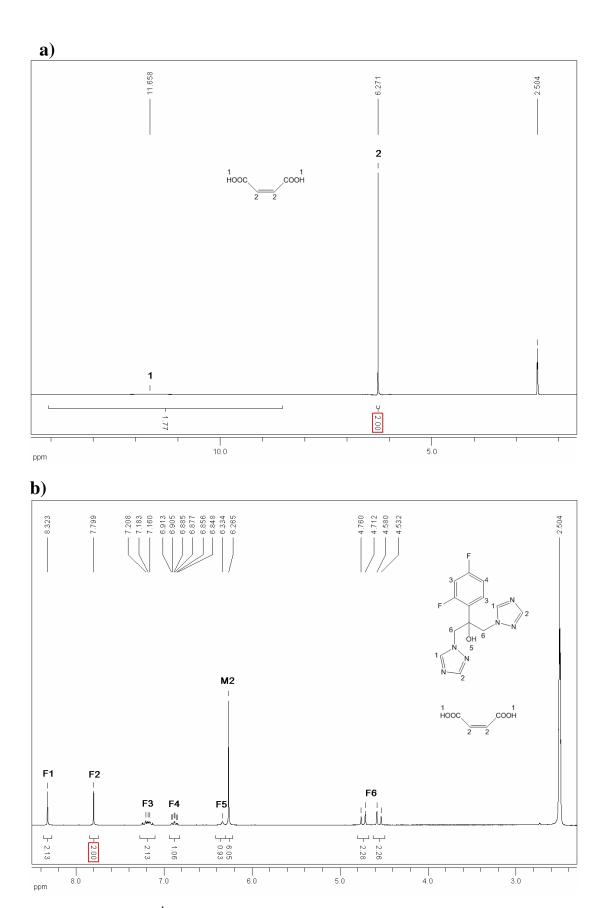


Figure S6. Solution ¹H NMR spectra of a) maleic acid and b) cocrystal of fluconazole with maleic acid (1). Signals of protons are correspondingly assigned (F – fluconazole, M – maleic acid).

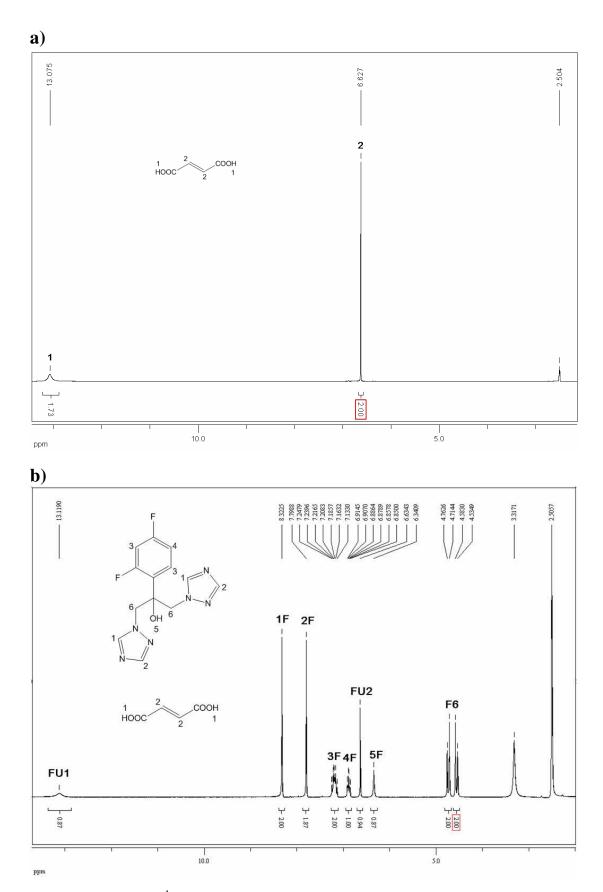


Figure S7. Solution ¹H NMR spectra of a) fumaric acid and b) cocrystal with fumaric acid (**2**). Signals of protons are correspondingly assigned (F – fluconazole, Fu – fumaric acid).

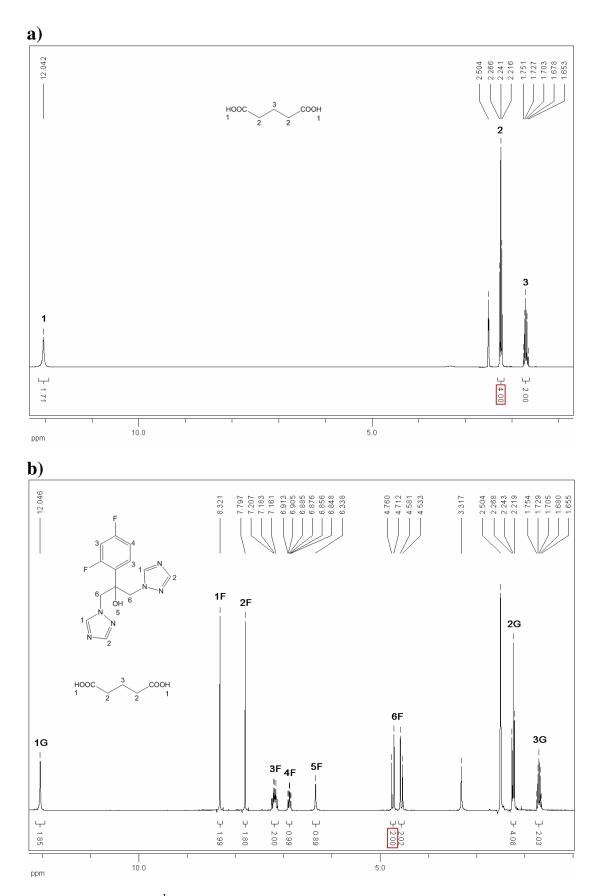


Figure S8. Solution ¹H NMR spectra of a) glutaric acid and b) cocrystal with glutaric acid (3). Signals of protons are correspondingly assigned (F – fluconazole, G – glutaric acid).

The stoichiometric ratios were established by comparison of fluconazole F6 and maleic acid M2 signal intensities for cocrystal **1**, fluconazole F6 and fumaric acid FU2 signal intensities for cocrystal **2** and fluconazole F6 and glutaric acid G3 signal intensities for cocrystal **3**.