Supplementary data for

Cocrystals of regorafenib with dicarboxylic acids: synthesis, characterization and property evaluation

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-	API	CCFs	Experimental result
	Regorafenib	Malic acid	Cocrystal
	Regorafenib	Succinic acid	Physical mixture
	Regorafenib	Glutaric acid	Cocrystal
	Regorafenib	Adipic acid	Physical mixture
	Regorafenib	Pimelic acid	Cocrystal
	Regorafenib	Oxalic acid	Physical mixture
	Regorafenib	D(-)-Tartaric acid	Physical mixture
	Regorafenib	L-Aspartic acid	Physical mixture
	Regorafenib	Folic acid	Physical mixture
	Regorafenib	L-Glutamic acid	Physical mixture
	Regorafenib	Fumaric acid	Physical mixture

Table S1. Summary of the results of cocrystal screening of REG with different CCFs.



Fig. S1 PXRD patterns of synthesized $REG \cdot H_2O$ and simulated from the single crystal data.





Fig. S2 ¹H NMR spectra with integrals for (a) REG-MA, (b) REG-GA and (c) REG-PA (The asterisks mark the characteristic peaks of CCFs).



Fig. S3 PXRD patterns of residual powder for REG·H₂O, **REG-MA**, **REG-GA** and **REG-PA** after powder dissolution in pH 4.5 acetate buffer with 0.1% SDS solution.





Fig. S4 PXRD patterns of (a) REG·H₂O, (b) **REG-MA**, (c) **REG-GA** and (d) **REG-PA** before and after DVS test.







Fig. S5 PXRD patterns of (a) REG·H₂O, (b) REG-MA, (c) REG-GA and (d) REG-PA during storage under 40 $^{\circ}$ C /75% RH.



Fig. S6 Crystal structure of REG·H₂O.



Fig. S7 PXRD patterns of REG·H₂O, REG-MA, REG-GA and REG-PA after compaction experiments at 300 MPa.