## **Supporting information:**

Oxime synthons in the salts and cocrystals of quinoline-4-carbaldoxime for non-covalent synthesis

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Figure S1: (a) ORTEP diagram of succinic acid cocrystal with quinoline-4-aldoxime. (b) Cyclic sub-assemblies of the cocrystal





Figure S2: (a) ORTEP diagram of fumaric acid cocrystal with quinoline-4-aldoxime. (b) Cyclic sub-assemblies of the fumaric acid cocrystal



Figure S3: PXRD of nitrate salt (Red= Experimental, Black= generated from CIF using mercury software).



Figure S4: PXRD of oxalate salt (Red= Experimental, Black= generated from CIF using mercury software).



Figure S5: PXRD of maleate salt (Red= Experimental, Black= generated from CIF using mercury software).



Figure S6: PXRD of adipic acid cocrystal (Red= Experimental, Black= generated from CIF using mercury software).



Figure S7: PXRD of succinic acid cocrystal (Red= Experimental, Black= generated from CIF using mercury software).



Figure S8: PXRD of fumaric acid cocrystal (Red= Experimental, Black= generated from CIF using mercury software).



Figure S9: <sup>1</sup>H-NMR (400 MHz, DMSO-d<sup>6</sup>) of quinoline-4-aldoxime.



Figure S12: <sup>1</sup>H-NMR (400 MHz, DMSO-d<sup>6</sup>) of oxalate salt.



Figure S13: <sup>1</sup>H-NMR (400 MHz, DMSO-d<sup>6</sup>) of maleate salt.



Figure S14: <sup>1</sup>H-NMR (400 MHz, DMSO-d<sup>6</sup>) of adipic acid cocrystal.



Figure S15: <sup>1</sup>H-NMR (400 MHz, DMSO-d<sup>6</sup>) of succinic acid cocrystal.



Figure S16: <sup>1</sup>H-NMR (400 MHz, DMSO-d<sup>6</sup>) of fumaric acid cocrystal.