

Poster Presentations

[MS37-P05] Co-crystals, polymorphs and their photochemistry.

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The understanding of the solid state is evidently important due to the application of solids in areas ranging from the pharmaceutical industry, through catalysis to materials. The crystal structure can influence properties of materials significantly with, for example, polymorphs displaying different colouration and solubility. The formation of co-crystals is an additional potential avenue for modification of the properties of the solid. Presented are the results of an investigation into the co-crystallization of model cinnamic acid derivatives. The investigation focuses on the formation of solid solutions and exploits their photochemical properties to get a glimpse into the nature of intermolecular interactions within the solid solution.