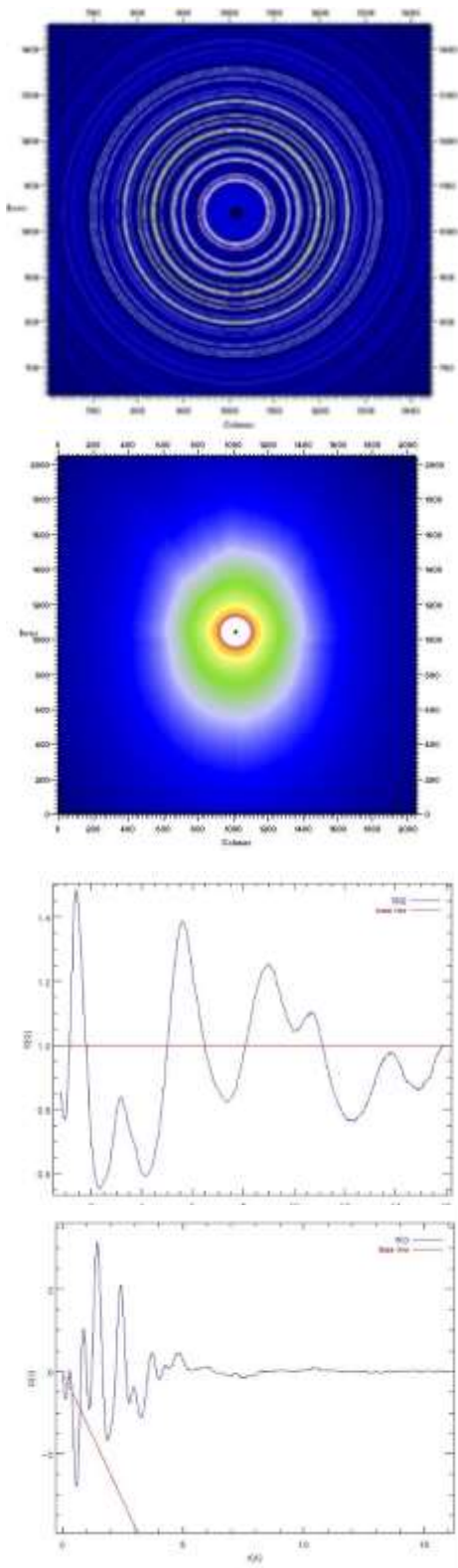


Solving Pharmaceutical Problems using Synchrotron X-rays



Improved Pharma is a research and information company dedicated to improving pharmaceutical methods, formulations, and processes. With a wide range of Synchrotron-based X-ray services available due to our agreements with Argonne National Laboratory and our experience in working there, we can provide critical research studies and information related to:

- **Analytical methods** using the most sensitive and precise X-ray methods available
- **Sameness Studies** of amorphous samples from spray drying and melt extrusion
- **Structure analysis** of solvates, hydrates, polymorphs, and liquid crystals produced in polymorph screening including crystal structure from powder diffraction
- **Analytical Characterization** for solids, in general
- **Improved formulations** of existing products
- **Determination of detection limit** and amounts of crystalline material in an amorphous formulation
- **Formulation of Tyrosine Kinase Inhibitors** and other poorly soluble compounds
- **Determination of maximum solubility** of an amorphous form of a new drug under development using novel approaches such as amorphous complexes
- **Assessment of the risk** of a formulation (typically phase 2 or 3) undergoing crystallization or phase transformation or other unwanted changes at any time including manufacturing scale-up
- **Problem solving** involving formulations failing dissolution or bioavailability or other specifications
- **Intellectual property** management
- **Regulatory** information
- **Short courses and webinars**

**PLEASE CONTACT US TO LEARN MORE ABOUT HOW WE CAN HELP YOU
WITH YOUR SCIENTIFIC NEEDS**

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