



Scholars'  
Press

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## **Preparation and Characterization of Co-crystal**

to improve the physicochemical properties drug

### **Preparation and Characterization of Co-crystal**

A co-crystal might be the expected outcome of a co crystallization experiment in which the final crystal contains at least two distinct species connected by intermolecular forces. Pharmaceutical co-crystals draw closer the fields of crystal engineering and pharmaceutical sciences. A pharmaceutical co-crystal is a single crystalline solid that incorporates two neutral molecules, one being an API and other a co-crystal former. The basic physicochemical properties of co-crystal can usually be characterized by :  
A. Fourier transport Infrared spectroscopy [FTIR] ;  
B. Differential scanning calorimetry [DSC] ;  
C. X-ray diffraction [XRD].

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