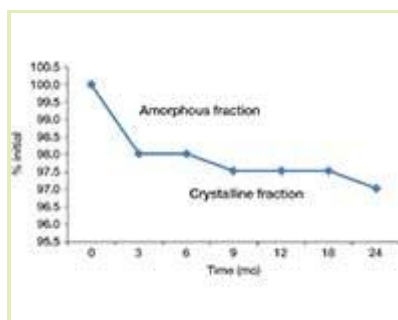


Pharmaceutical Solids—The Amorphous Phase

May 22, 2013 12:31 pm EDT



Definition of amorphous solid Meaning of long-range and short-range order in solids Disorder (amorphous nature) accelerates the rate at which the solid degrades, absorbs water, dissolves, etc. Small amounts of amorphous content can affect the properties of individual batches of drug The glass transition temperature (T_g) is a characteristic used to understand amorphous solids The T_g is the temperature at which an amorphous solid changes character from a glass-like solid to a more mobile rubbery state The higher the T_g , the more physically stable is the amorphous phase Using amorphous drug in a...

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