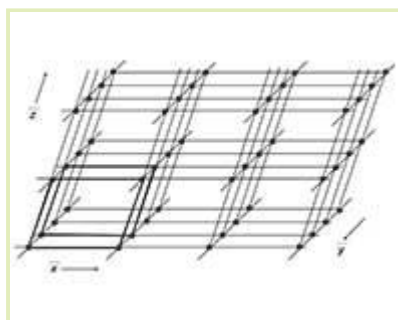


Polymorphism—A Critical Consideration in Pharmaceutical Development, Manufacturing, and Stability

May 22, 2013 5:01 pm EDT



KEY POINTS Pharmaceutical solids may be crystals, crystal solvates or hydrates, crystal desolvated solvates or dehydrated hydrates, or amorphous solids All crystal forms described can exist in different forms called polymorphs Polymorphs can have significant differences in their physical properties even though they are chemically identical. Physical properties include solubility, melting point, particle size, dissolution rate, hygroscopicity, and others. Polymorphs may interconvert depending on conditions. Usually the metastable kinetic form converts to the stable thermodynamic...

Source URL: <http://www.ivtnetwork.com/article/polymorphism%E2%80%94critical-consideration-pharmaceutical-development-manufacturing-and-stability>