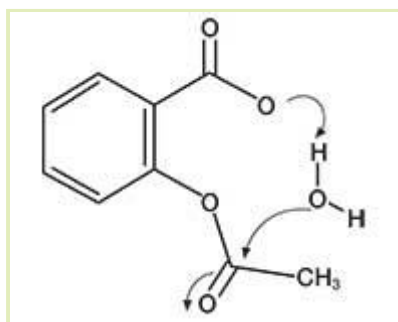


Understanding Physicochemical Properties for Pharmaceutical Product Development and Manufacturing II: Physical and Chemical Stability and Excipient Compatibility

By **Deliang Zhou** May 22, 2013 12:02 pm EDT



Stability of pharmaceutical products, including physical and chemical stability, is a core quality attribute potentially impacting efficacy and safety. Phase transformation is a common form of physical instability. Polymorphic transition; solvation and desolvation; salt and parent conversion or salt and salt exchange; and amorphization and devitrification are the common types of phase transformations. Phase transformation can occur via solid-state, melt, solution, or solution-mediated mechanisms. Pharmaceutical processing such as comminution (milling), compaction, granulation, drying,...

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