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Many of these systems are directed toward the solubilization and delivery of poorly soluble bioactives via Hot Melt Extrusion technology, which is a primary focus of his research. Dr. Repka's most important scientific accomplishments involve the advancement of melt extrusion technology.

Melt Extrusion - Materials, Technology and Drug Product

This inclusive text describes hot melt extrusion for pharmaceutical applications, focusing on the materials used for the preparation of solid dispersions, fundamentals for preparing such systems and novel applications using extrusion technology.

Melt Extrusion | SpringerLink

permeability and poor chemical stability. Hot melt extrusion (HME) technology may provide the answer. HME, a solid-dispersion technology, has gained popularity in the pharmaceutical industry as a means of improving the solubility of drugs. HME has several areas of application,

Hot melt extrusion technology, approach of solubility

II. HOT-MELT EXTRUSION Extrusion can be defined as the process of forming a new material, the extrudate, by forcing a material through a die under controlled conditions [7]. The raw materials are pumped through the die by a rotating screw under elevated temperatures, see Figure1 [8].

A Review of Hot Melt Extrusion Technique

Melt Extrusion: Materials, Technology and Drug Product Design (AAPS Advances in the Pharmaceutical Sciences Series series) by Michael A. Repka. Read online, or download in secure PDF format

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Hot Melt Extrusion. Particle Sciences - Technical Brief: 2011: Volume 3 PDF Version. Hot melt extrusion (HME) is the process of applying heat and pressure to melt a polymer and force it through an orifice in a continuous process.

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