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Descrizione fisica	1 online resource (528 p.)
Altri autori (Persone)	StoreyRichard A YmenIngvar
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Soggetti	Solid dosage forms Drugs - Design Pharmaceutical chemistry
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction to the solid state : physical properties and processes -- X-ray diffraction -- Spectroscopic characterisation -- Dielectric spectroscopy and thermally stimulated current spectroscopy : use in the characterisation of solid state pharmaceutical systems -- Solid state characterisation of pharmaceuticals -- Calorimetric methods : solution calorimetry -- Vapour sorption for bulk and surface analysis -- Microscopy -- Mechanical properties of pharmaceutical materials -- Particle size assessment -- Computational polymorph prediction -- Patenting of inventions relating to polymorphs -- A 'roadmap' to solid form selection.
Sommario/riassunto	The field of solid state characterization is central to the pharmaceutical industry, as drug products are, in an overwhelming number of cases, produced as solid materials. Selection of the optimum solid form is a critical aspect of the development of pharmaceutical compounds, due to their ability to exist in more than one form or crystal structure (polymorphism). These polymorphs exhibit different physical properties

which can affect their biopharmaceutical properties. This book provides an up-to-date review of the current techniques used to characterize pharmaceutical solids. Ensuring balan

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