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This book aims to stimulate and promote the wide-ranging aspects of green chemistry and its major role in ensuring sustainable development. The book covers the following areas: green chemistry; green reagents and atom economy; safeguarding the atmosphere; industrial green catalysis; alternative reaction conditions; biocatalysis and green chemistry. This book is based on the third edition of the Collection of Lectures of the Summer Schools on Green

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Chemistry held in Venice, Italy in the summers of 1998-2003 (sponsored by the European Commission, TMR and Improving Programmes and carried out by the Consortio Interuniversitario La Chimica per l'Ambiente).

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deal with selectivity, carbon-carbon single bonds, carbon-carbon double bonds, stereochemistry and functional group strategy. A comprehensive, practical account of the key concepts involved in synthesising compounds Takes a mechanistic approach, which explains reactions and gives guidelines on how reactions might behave in different situations Focuses on reactions that really work rather than those with limited application Contains extensive, up-to-date references in each chapter Students and professional chemists familiar with Organic Synthesis: The Disconnection Approach will enjoy the leap into a book designed for chemists at the coalface of organic synthesis. This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may

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*only about one dose of the drug (roughly 300 mg). For this reason, as well as the spectacular molecular architecture of Taxol, synthetic organic chemists fiercely undertook efforts to synthesize it. Five total syntheses of Taxol have thus far been reported. Now, a combination of isolation of a related metabolite from European yew needles, and synthesis of Taxol from that intermediate, supply the clinical demand. This case clearly demonstrates the importance of synthesis and the use of organic chemistry. It's just one of the many examples used in the text that will spark the interest of students and get them involved in the study of organic chemistry!*

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(9781119293378) was previously published as Organic Chemistry I For Dummies, 2nd Edition (9781118828076). While this version features a new Dummies cover and design, the content is the same as the prior release and should not be considered a new or updated product. The easy way to take the confusion of organic chemistry Organic chemistry has a long-standing reputation as a difficult course. Organic Chemistry I For Dummies takes a simple approach to the topic, allowing you to grasp concepts at your own pace. This fun, easy-to-understand guide explains the basic principles of organic chemistry in simple terms,

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