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ORGANIC REACTION MECHANISM

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Synopsis

"Writing Organic Reaction Mechanisms" introduces students to the basic principles which enable them to understand any organic reaction mechanism. Readers review the major types of organic mechanisms and are given practice exercises to ensure they understand them.; This book is divided into three parts. Part 1 introduces the basic principles of organic mechanisms. Part 2 deals with each of the major types of organic mechanisms including substitution reactions, addition reactions, elimination reactions, sequential addition/elimination reactions, rearrangement and fragmentation reactions and redox reactions. Every new mechanism is introduced in logical progression using examples.; The stereochemical consequences of a particular mechanistic route are explained as is the relevance to synthetic routes. All the principle reaction mechanisms and core reactions required for a first-year university chemistry course are included. Easy-to-use appendices provide comprehensive reference material on organic notations, stereochemical terminology and oxidation numbers as well as a skeletal index which allows a name to be given to a compound for which the structure is known.

Book Information

Paperback: 434 pages

Publisher: CRC Press; 1 edition (August 15, 1994)

Language: English

ISBN-10: 0748401717

ISBN-13: 978-0748401710

Product Dimensions: 1 x 6.2 x 9.2 inches

Shipping Weight: 1.7 pounds

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