



Domino and Intramolecular Rearrangement Reactions as Advanced Synthetic Methods in Glycoscience (Hardback)

By -

John Wiley Sons Inc, United States, 2016. Hardback. Book Condition: New. 243 x 159 mm. Language: English . Brand New Book. The book consists of a brief introduction, a foreword provided by professor Danishefsky of Columbia University, and about 14 - 16 chapters, each written by one or two eminent scholars/authors describing their recent research in the area of either domino reactions or intramolecular rearrangements in carbohydrate chemistry. Three or four chapters will be reviews. The domino (cascade, tandem) reactions are always intramolecular. They are usually very fast, clean and offer highly complex structures in a one pot process. Intramolecular rearrangements offer very similar advantages and often lead to highly complex products as well. Although many recently isolated carbohydrates fulfill various sophisticated functions, their structures are often very complex. The editors cover the broadest scope of novel methodologies possible. All the synthetic and application aspects of domino/cascade reactions are explored in this book. A second theme that will be covered is intramolecular rearrangement, which is also fast, stereoselective, and often constitutes one or more steps of domino /cascade process. Selected examples of intramolecular rearrangements are presented. Together, both processes offer an elegant and convenient approach to the synthesis of many...

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Reviews

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