



Contemporary Problems in Carbonium Ion Chemistry I/II

By C. Rees

Springer Okt 2013, 2013. Taschenbuch. Book Condition: Neu. 244x170x19 mm. This item is printed on demand - Print on Demand Neuware - In 1965 a book by P. Bartlett appeared under the title 'The Nonclassical Ions' 1). The book is a collection of papers reprinted from various journals. The many reviews that have appeared since 2-22) are either antiquated (the book published in 1972 12) covers the literature mainly before 1968) or relatively biased (e.g., 3,4,10' on brief 2, 7,11). This review attempts to discuss the various points of view on the 'nonclassical' carbocations. The main point is to establish the relative role of 'nonclassical' and 'classical' ions in various chemical processes. The author has followed P. Bartlett's advice 1) that when setting forth the achievements of the human mind one should see how we came to the modern understanding of a given problem ('. how we know what we know'). The theory of 'nonclassical' ions offers an explanation of many unique chemical, stereochemical and kinetic peculiarities of bicyclic compounds. It has expanded our knowledge on chemical bonds in carbocations by introducing electron-deficient bonds (as in boron hydrides). It has accounted for many rearrangements of stable cations. As a...



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Reviews

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