



Organic Synthesis (Hardback)

By Professor Michael B Smith

Wavefunction, Incorporated, United States, 2011. Hardback. Book Condition: New. 3rd Revised edition. 254 x 202 mm. Language: English . Brand New Book. A reactions oriented course is a staple of most graduate organic programs, and synthesis is taught either as a part of that course or as a special topic. Ideally, the incoming student is an organic major, who has a good working knowledge of basic reactions, stereochemistry and conformational principles. In fact, however, many (often most) of the students in a first year graduate level organic course have deficiencies in their undergraduate work, are not organic majors and are not synthetically inclined. To save students much time catching up this text provides a reliable and readily available source for background material that will enable all graduate students to reach the same high level of proficiency in organic chemistry. Produced over many years with extensive feedback from students taking an organic chemistry course this book provides a reaction based approach. The first two chapters provide an introduction to functional groups; these are followed by chapters reviewing basic organic transformations (e.g. oxidation, reduction). The book then looks at carbon-carbon bond formation reactions and ways to disconnect a bigger molecule into simpler...



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