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Advanced Organic Chemistry : Structure and Mechanisms

By Ashutosh Kar

Medtech an imprint of Scientific International, 2016. Soft cover. Book Condition: New. 1st Edition. Contents: I. Fundamentals Of Organic Chemistry: 1. Atomic Bonding. 2. Stereochemistry. 3. Reaction Intermediates And Factors Governing Reactivity. II. Name Reactions Based Of Product Formed: 4. Reactions Giving Carbonyl Compounds. 5. Reactions Giving Alcohol-Hydroxy Carboxylic Acid And Phenols. 6. Reactions Giving Arenes. 7. Reactions Giving Saturated And Unsaturated Hydrocarbons. 8. Reactions Giving Carboxylic Acids And Its Derivatives. 9. Reactions Giving Heterocyclic Compounds And Its Derivatives. 10. Reactions Giving Halogen Derivatives. 11. Miscellaneous Organic Reactions. III. Rearrangements: Classification And Mechanism: 12. Rearrangements Induced By Cationic Or Electron Deficient Sties (Carbon). 13. Rearrangements Related To Electron Deficient Heteroatoms. 14. Rearrangements Related To Acyl Carbenes. 15. Sigmatropic Rearrangements. 16. Rearrangements Influenced By Stong Bases [And/Or] Electron Rich Sites. 17. Rearrangements Due To Addition-Elimination Mechanism. 18. Rearrangements In Pericyclic Reactions. 19. The Aromatic Rearrangements. IV. Organic Reactions And Mechanisms: 20. Substitution Reactions. 21. Elimination Reactions. 22. Electrocyclic Reactions. 23. Thermodynamics Of Organic Reactions. 24. Addition Reactions. V. Some Novelreaction In Organosilicon Chemistry: 25. Accelerated Organic Synthesis With Organosilicon Compounds. Appendices. Index. Advanced Organic Chemistry entails the specific reactions with regard to their underlying definitions, classifications, typical examples. reaction stens-mechanisms -explanations...



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