

Electroorganic Reduction Synthesis



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This two-volume book presents everything you need to know about modern

electroorganic reduction methods, covering all important organic substance classes, such as aldehydes, olefins, aromatic and halogenated compounds. Besides a plethora of modern reaction methods, it also treats such other important aspects as product selectivity, types of electrolysis cells and effects of additives. With its clear structure and its focus on synthetic methods, this is a source of high quality information for every chemist working in this field.

From the Contents:

Electrochemical Reduction and Product Selectivity

Electroreduction of Aldehydes, Ketones, Acids, Esters and Acids Anhydride

Electroreductive Reaction of Olefins

Electroreductive Reaction of Aromatic Compounds

Electroreduction of Nitrogen Compounds

Electroreduction of Sulfur, Selenium, and Tellurium Compounds

Electroreduction of Halogenated Compounds

Electroreduction of Alcohols, Ethers, and Esters

Electroreduction of Organic Compounds Involving Group IIIA, IVA, VA, IB and IIB Elements

Electroreduction of Organometallic Compounds

Indirect Electroreduction Using Metal Complex Redox and Organic Redox Mediators

Electrogenerated Base-Assisted Conversion

Electropolymerization

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