



Nucleophilic Aromatic Substitution of Hydrogen

Oleg N. Chupakhin, Valery N. Charushin, Henk C. van der Plas

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Nucleophilic aromatic substitution in carbo- and heteroaromatic systems is a subject of considerable interest to chemists. This book uniquely addresses the systematic analysis of a vast range of nucleophilic substitutions of aromatic hydrogen.

* This text provides coverage of:

* Nucleophilic displacement of hydrogen (the S_NH reactions) in pi-deficient aromatics, such as nitroarenes, arene-metal complexes, and the like.

* Nucleophilic displacement of hydrogen in heterocyclic substrates such as pyridines, their aza and benzo analogs, pyrylium and thiapyrylium cations, and other heterocycles

* Mechanisms for the S_NH reactions (S_NH(AE), vicarious nucleophilic substitutions, and radical S_NH substitutions

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