
Volume Editor's Preface

This volume of **Science of Synthesis** is concerned with the chemistry of nitrogen functionalities bonded to sp^3 -hybridized carbon atoms of alkyl groups or, in some cases, to sp^2 -hybridized carbon atoms of aryl, vinyl, or acyl groups. The methods to prepare the corresponding compounds with such nitrogen functionalities are very important and manifold, and thus cannot be summarized in one volume alone. Therefore, amines, ammonium salts, haloamines, hydroxylamines, hydrazines, triazanes, and tetrazanes are covered in Volume 40 of **Science of Synthesis**, whereas nitro-, nitroso-, and azidoalkanes, *N*-nitro- and *N*-nitrosoamines, azo, azoxy, and aliphatic diazonium compounds, alkyltriazenes and -tetrazenes, and *N,N*-dihaloamines are discussed in Volume 41. Several representatives of these product classes have been known for more than 100 years. In recent years, however, new methods of synthesis or significant improvements to known reactions have been reported for all product classes covered in Volume 41. Thus, this volume, like all other volumes of **Science of Synthesis**, will help research chemists in industry and academia to understand and creatively apply the extensive knowledge in the area of organic synthesis.

I would like to thank all 17 authors for their valuable contributions, which represent the major part of this work. In particular, their patience in connection with my questions and special wishes should be mentioned. Furthermore, I am grateful and deeply impressed by the professional work of the competent team at the editorial office of Thieme in Stuttgart. Such a volume of **Science of Synthesis** cannot be produced without the engagement of the editorial staff to move the project ahead. I am also thankful to my co-workers at Chemnitz University of Technology, who supported me many times. Finally, I am grateful to Dr. Joe P. Richmond, who convinced me some time ago that editing this volume would be a worthwhile undertaking. He also helped me at the planning stage of this volume, and thus he catalyzed the first steps, which are always the most critical.

Volume Editor

Klaus Banert

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