DESCRIPTION

Volatile organic solvents are the normal media used in both research scale and industrial scale synthesis of organic chemicals. Their environmental impact is significant, however, and so the development of alternative reaction media has become of great interest.

Developments in the use of water as a solvent for organic synthesis have reached the point where it could now be considered a viable solvent for many organic reactions. Organic Reactions in Water demonstrates the underlying principles of using water as a reaction solvent and, by reference to a range of reaction types and systems, its effective use in synthetic organic chemistry. Written by an internationally respected team of contributors, and with a strong focus on the practical use of water as a reaction medium, this book illustrates the enormous potential of water for the development of new and unique chemistries and synthetic strategies, while at the same time offering a much reduced environmental impact.

ABOUT THE AUTHOR

Marcus Lindström has recently joined the faculty of the Department of Chemistry, McGill University, Canada as Assistant Professor of Organic Chemistry. Prior to his move to Canada he was Associate Professor of Chemistry at Lund University, Sweden.

Contributors to the book:
Professor Ronald Breslow
FEATURES

• Brings non-experts up-to-speed quickly and comprehensively, facilitating the use of water as a reaction solvent in both research scale and production scale organic synthesis

• Key reference source and entry to the literature so the reader does not have to engage in expensive and time consuming literature searching

• Written by a leading team of contributors, the book illustrates the significant advances in the use of water as a reaction solvent

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