

Organic reactions in water : principles, strategies and applications

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Abstrak

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. This book 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.