

Eco-Friendly Synthetic Strategies in Organic Chemistry: A Brief Review

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Abstract: Paul T. Anastas and John Warner first introduced the principles of Green Chemistry, which have since led to numerous scientific advancements and innovations under this framework. These twelve principles serve as a guiding structure for research in the field of green chemistry, promoting the use of sustainable raw materials, minimizing waste, and avoiding hazardous reagents and solvents in chemical synthesis. Importantly, these principles advocate for environmentally friendly approaches at every stage, from product design and synthesis to application, analysis, and disposal. The primary goal of green chemistry is to develop methodologies that reduce the use of harmful substances. Over the past few years, significant progress has been made in designing safer alternatives that benefit both human health and the environment. This concise review highlights green synthetic approaches developed in the last two years

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