

A Brief Review on the Synthesis of Heterocycles Using Fruit Extracts as Catalysts

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Abstract: *This review highlights recent advancements in the use of fruit extracts as natural catalysts for the synthesis of heterocyclic compounds. The application of green chemistry principles is emphasized through various eco-friendly synthetic approaches. Fruit extract-based catalysts offer numerous advantages, including non-toxicity, environmental sustainability, ease of handling, cost-effectiveness, and widespread availability. Their potential as an efficient and sustainable alternative for heterocyclic transformations makes them a promising tool for future organic synthesis*

Keywords: fruit extract, heterocyclic synthesis, green catalysis, sustainable chemistry

