

## Zirconium Oxide Nanoparticles as an Efficient Catalyst for Three-Component Synthesis of Benzylamino Coumarin Derivatives

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**Abstract :** A green and efficient one-pot synthesis of benzylamino coumarin derivatives by a three-component condensation of 4-hydroxycoumarin, cyclic secondary amine, and aromatic aldehyde in the presence of ZrO<sub>2</sub> nanoparticles (NPs) as a heterogeneous catalyst in water at room temperature has been reported.

**Keywords :** 3-benzyl substituted coumarin derivative, ZrO<sub>2</sub> nanoparticles (NPs), green synthesis, multicomponent reaction

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