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A Mini Review: Biginelli Reaction for the Synthesis of Dihydropyrimidinones

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Abstract

Dihydropyrimidinones and their corresponding derivatives were synthesized by the union of 1,3- diketones (or) β -ketoester, arylaldehyde and urea/thiourea under Bronsted acid catalysis condition was pioneered by Pietro Biginelli in 1893. This review wraps recent mechanistic advances, new pharmacological revelations and new building block of dihydropyrimidinones up to 2014. On the other hand it also swathe the most recently developed asymmetric synthetic methodologies to offer the enantio enrich dihydropyrimidinone derivatives.

Author Keywords

Arylaldehydes, Dihydropyrimidinones, B-Ketoester, Biginelli Reaction

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