

# Pineapple Juice as a Natural Catalyst: An Effective Way to Speed Up the Biginelli Reaction

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**Abstract:** *An efficient one-pot synthesis of 3,4-dihydropyrimidin-2-(1H)-ones has been achieved through a three-component cyclocondensation reaction. The reaction combines an aldehyde,  $\beta$ -keto-ester, and urea/thiourea under solvent-free conditions, using magnesium(II) nitrate hexahydrate as a catalyst. This novel method offers a simple and efficient route to these valuable molecules.*

**Keywords:** Multicomponent reaction, dihydropyrimidin-2-(1H)-ones, Mg(II) nitrate hexahydrate, solvent-free conditions, Biginelli reaction