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An Efficient, Green synthesis of Ethyl/Methyl 4-(3-Aryl-1-Phenyl-1H-Pyrazol-4-yl)-6-Methyl-2-oxo-1,2,3,4-Tetrahydropyrimidine-5-Carboxylates

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Abstract : An efficient, green heterogeneous catalyst was developed for one-pot three component synthesis of Ethyl/methyl 4-(3-aryl-1-phenyl-1H-pyrazol-4-yl)-6-methyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate derivatives by the condensation of aldehydes, acetoacetate, and urea in the presence of 5% WO₃/ZrO₂ heterogenous catalyst under solvent-free condition.

Keywords : One-pot multi component synthesis, Dihydropyrimidones, pyrazoles, heterogeneous catalyst and WO₃/ZrO₂.

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