



ChemTech

International Journal of ChemTech Research

CODEN (USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555
Vol.10 No.5, pp 107-111, 2017

Sodium Tungstate Catalyzed Green and Rapid Synthesis of 2, 4, 5-Triarylimidazoles

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Abstract: One pot three component synthesis of 2, 4, 5-triaryl imidazoles was achieved by the condensation of aromatic aldehyde, benzil and ammonium acetate in ethanol catalyzed by sodium tungstate as a non-oxidative basic catalyst. The use of inexpensive catalyst, short reaction time and ethanol as the environmentally benign solvent makes the present protocol a valuable addition to the existing green protocols for the synthesis of triaryl imidazoles.

Keywords : Green, Sodium tungstate, 2, 4, 5-Triaryl imidazoles.

Rajendra P. Pawar *et al* /International Journal of ChemTech Research, 2017,10(5): 107-111.
