



Synthesis and fungicidal activities of some 2- aryl-5-[phthalimido substituted methyl] 2, 5-bis [phthalimido substituted methyl]-1,3,4-oxadiazoles

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ABSTRACT

Several 2-aryl-5-[phthalimido substituted methyl]-1,3,4-oxadiazoles have been synthesised by the stirring of 2-[phthalimido] alkanoyl aryl hydrazone with bromine in presence of fused sodium acetate and 2,5-bis [phthalimido substituted methyl]-1,3,4-oxadiazoles have been synthesised by the cyclisation of 1,2-bis [phthalimido] alkanoyl hydrazine with conc. H_2SO_4 with constant stirring in cold and screened for their anti fungal activities against *Pyricularia oryzae*, *Pseudoperonospora cubensis*, *Sphaerotheca fuliginea* and *Phytophthora infestans*.

Keywords: Phthalimido substituted methyl, 1,3,4-oxadiazoles, fungicidal activity.
