



Synthesis of highly functionalised 4-substituted 1, 3-diphenylpyrazole derivatives via reductive amination protocol using $ZnCl_2$ and $NaCNBH_3$

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ABSTRACT

A series of highly functionalised 4-substituted 1,3-diphenylpyrazoles derivatives were synthesised by the reaction of 1,3-diphenyl-1H-pyrazole-4-carbaldehyde with variously substituted amines following a reductive amination protocol using $ZnCl_2$ and $NaCNBH_3$.

Keywords: 1,3-diphenylpyrazoles, Vilsmeier Reaction, Reductive amination.
