



Short Communication

**Synthesis and Characterization of Novel Bis-Pyrazole Aldehydes
Using Vilsmeier–Haack Reagent**

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Accepted on 12th December 2014

ABSTRACT

*Synthesis of Ten novel Bis-pyrazole aldehydes **6a-j** from 1-{4-[2-(4-Acetyl-phenoxy)-alkoxy]-phenyl}-ethanone **3a-e**, phenyl hydrazine under Vilsmeier-Haack reaction condition. All the compounds resulted in excellent yields. All the synthesized compounds were analyzed by IR, ¹H NMR, ¹³C NMR and mass spectral analysis and characterized as 3-(4-n-[4-(4-formyl-1-aryl-1H-3-pyrazolyl) phenoxy] alkoxyphenyl)-1-aryl-1H-4-pyrazole carbaldehyde.*

Keywords: Bis-acetophenones, Bis-phenyl hydrazones, Bis-pyrazole aldehydes and Vilsmeier-Haack reaction.
