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Functionalized Buta-1,3-diynyl-*N*-methylpyrazoles by Sequential "Diacetylene Zipper" and Sonogashira Coupling Reactions

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## **ACCEPTED MANUSCRIPT**

### **Graphical Abstract**

# Functionalized Buta-1,3-diynyl-N-methylpy-razoles by Sequential "Diacetylene Zipper" and Sonogashira Coupling Reactions

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$$R^{1} = Alk \quad Alk = Pr, Bu; X = C(O)R, N(Me)_{2}, NH_{2}, NO_{2};$$

$$R^{2} = C_{8}H_{17}, C_{4}H_{8}OH, C_{5}H_{10}OH, C_{4}H_{8}OH, C_{5}H_{10}OH, C_{5}H_{10}OH, C_{4}H_{8}OH, C_{5}OH$$



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