

Preparation of (Z)-5-((2-mercaptophenylimino)methyl)-2-methoxy phenol Copper Complex and its Use for Palladium free Coupling of Aryl Iodide and Alkynes [†]

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Abstract: (Z)-5-((2-mercaptophenylimino)methyl)-2-methoxy phenol ligand prepared and characterized using ¹H NMR, ¹³C NMR and prepared its copper complex with CuBr. Using this complex palladium-free protocol developed for preparation, Substituted Alkynes avoiding Poisonous Pd Catalytic System with good yield. Reaction closes to the green approach.

Keywords: C-C coupling; copper catalyst; internal alkynes; palladium free.

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Conflicts of Interest

The authors declare no conflict of interest.