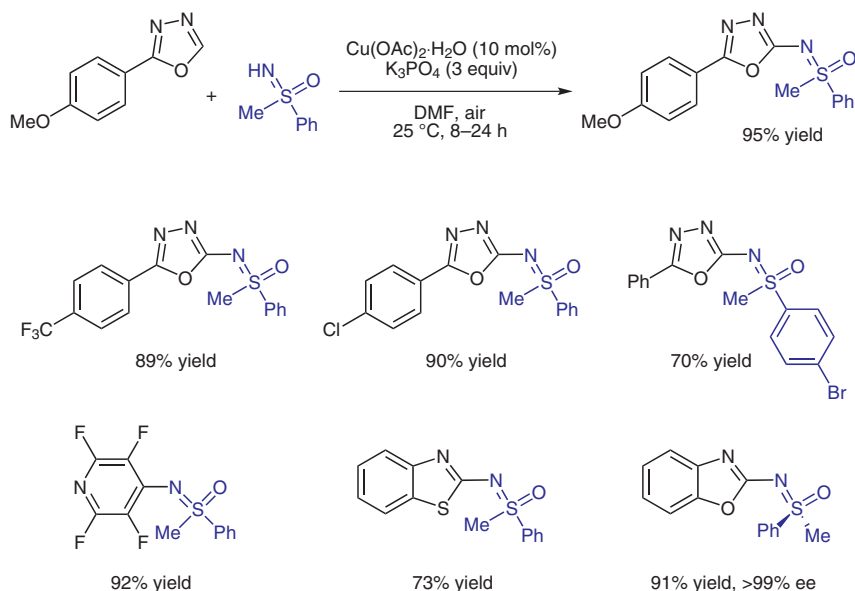


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Copper-Catalyzed Direct Sulfoximation of Azoles and Polyfluoroarenes under Ambient Conditions

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## Copper-Catalyzed Direct Sulfoximation



**Significance:** Herein, the direct dehydrogenative sulfoximation of azoles and polyfluoroarenes is reported. This copper acetate catalyzed C–N coupling proceeds effectively at room temperature in air and affords a wide range of *N*-arylsulfoximines in excellent yield. With this protocol, a preactivation step, such as halogenation or the formation of a metalated species, is not necessary.

**Comment:** The use of other copper salts gave similar or slightly inferior results. The addition of different ligands leads to decreasing yields. For a full conversion the combination of the phosphate base and DMF was necessary. Using an enantiopure sulfoximine gave the desired product maintaining the enantiomeric excess.

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Metal-Mediated  
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**SYNFACT**  
*of the month*