

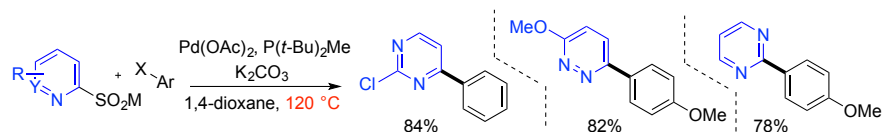
Correction to “Catalyst Selection Facilitates the use of Heterocyclic Sulfinates as General Nucleophilic Coupling Partners in Palladium-Catalyzed Coupling Reactions”

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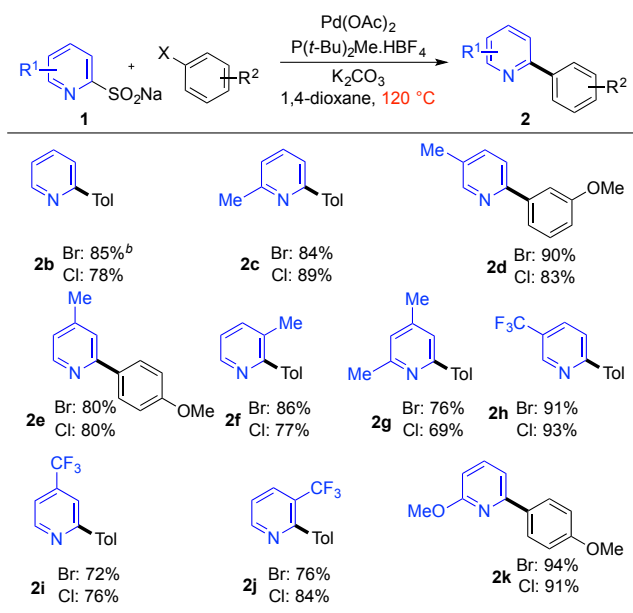
Due to a faulty temperature controller on a hotplate stirrer the temperatures noted for the reactions used to explore the reaction scope (Schemes 3, 4 and 5, Graphical Abstract) should be 120 °C (and not 100 °C). The temperature shown for the original screening study, shown in Scheme 2, is correct at 100 °C.

Graphical Abstract



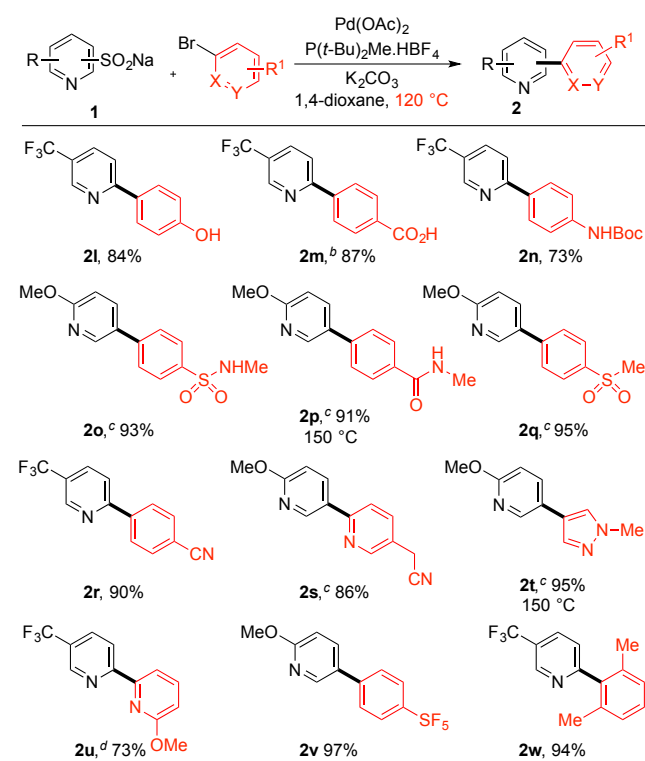
These changes do not alter the validity of any of the reported yields or the conclusions of the paper. Corrected Schemes 3, 4 and 5, and the Graphical Abstract, are shown below.

Scheme 3. Evaluation of pyridine-2-sulfinate coupling partners.^a



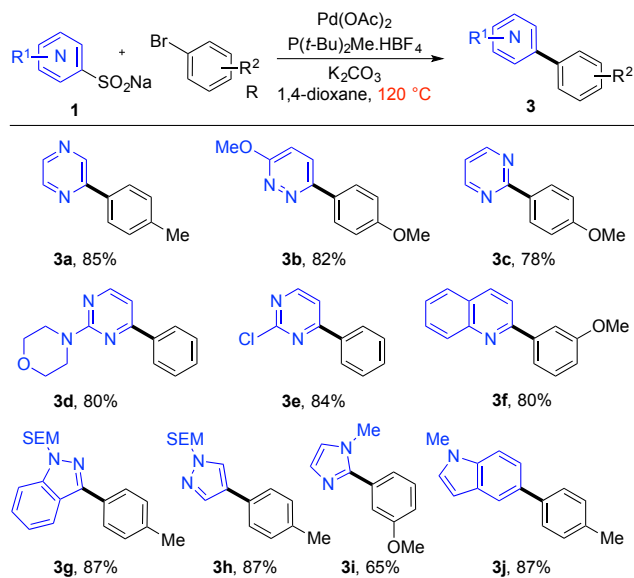
^aReaction conditions: Pyridine sulfinate (1.5 equiv), aryl halide (1.0 equiv), Pd(OAc)₂ (5 mol %), P(*t*-Bu)₂Me (10 mol %), K₂CO₃ (2.0 equiv), 1,4-dioxane, 120 °C, 18 hours. Isolated yields. ^bA reaction performed at 120 °C using PCy₃ as ligand provided 27% yield.

Scheme 4. Demonstration of functional group compatibility.^a



^aReaction conditions: Pyridine sulfinate (1.5 equiv), aryl halide (1.0 equiv), Pd(OAc)₂ (5 mol %), P(*t*-Bu)₂Me (10 mol %), K₂CO₃ (2.0 equiv), 1,4-dioxane, 120 °C, 18 hours. Isolated yields. ^bIsolated as the methyl ester due to isolation difficulties with the free acid. ^cLithium sulfinate. ^d2.0 equiv sulfinate.

Scheme 5. 5- and 6-membered heterocyclic sulfonates as nucleophilic coupling partners with aryl bromides.^a



^aReaction conditions: Heterocycle sulfinate (1.5 equiv), aryl halide (1.0 equiv), Pd(OAc)₂ (5 mol %), P(*t*-Bu)₂Me (10 mol %), K₂CO₃ (2.0 equiv), 1,4-dioxane, 120 °C, 18 hours. Isolated yields.

Supporting Information

A corrected Supporting Information has been uploaded. This material is available free of charge via the Internet at <http://pubs.acs.org>.