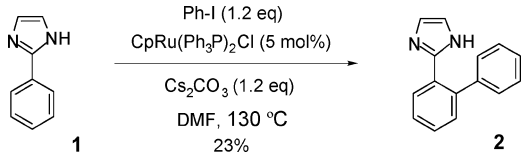
J|A|C|S
ADDITIONS AND CORRECTIONS

Diversity Synthesis via C−H Bond Functionalization: Concept-Guided Development of New C-Arylation Methods for Imidazoles [*J. Am. Chem. Soc.* **2003**, *125*, 10580−10585]. Bengü Sezen and Dalibor Sames*

After the departure of the first author and during a thorough re-examination of this publication, the laboratory of the corresponding author (D. Sames) has been unable to reproduce some of the key results. Specifically, the magnesium oxide method gave no arylation products (Scheme 1 and Scheme 4). The C-2′ arylation procedures described in this publication (Scheme 2) did furnish the desired products, but with lower efficiency than originally claimed. Namely, 2-phenyl imidazole **1**, under the action of $CpRu(Ph_3P)_2Cl$ catalyst and Cs_2CO_3 base, gave product **2** in 23% isolated yield (see scheme below; 84% yield was reported in the original publication). C-2′ phenylation of 1,2-diphenylimidazole (Scheme 5), catalyzed by $Rh(acac)(CO)_2$, provided <10% of the desired product (GC yield; 81% yield was originally reported). Accordingly, the corresponding author withdraws this paper, and deeply regrets that the chemical community was misled by this publication.



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Selective C-Arylation of Free (NH)-Heteroarenes via Catalytic C−H Bond Functionalization [*J. Am. Chem. Soc.* **2003**, *125*, 5274−5275]. Bengü Sezen and Dalibor Sames*

After the departure of the first author, the laboratory of the corresponding author (D. Sames) has been unable to reproduce the key results of this paper. Although the formation of indole magnesium salts, by treatment with either Grignard reagents or $Mg(HMDS)_2$, is a viable strategy for C-arylation of indoles as described and confirmed elsewhere,[1] the procedure using MgO as the base gave no arylation products. Accordingly, the corresponding author withdraws this paper, and deeply regrets that the chemical community was misled by this publication.

(1) Lane, B. S.; Brown, M. A.; Sames, D. *J. Am. Chem. Soc.* **2005**, *127*, 8050−8057.

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C−C Bond Formation via C−H Bond Activation: Catalytic Arylation and Alkenylation of Alkane Segments [*J. Am. Chem. Soc.* **2002**, *124*, 13372−13373]. Bengü Sezen, Roberto Franz, and Dalibor Sames*

The laboratory of the corresponding author (D. Sames) has not been able to reproduce this work. Accordingly, the second and third authors withdraw this paper, and they deeply regret that the chemical community was misled by this publication.

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