

Correction to “Uncovering the Mechanism of the Ag(I)/Persulfate-Catalyzed Cross-Coupling Reaction of Arylboronic Acids and Heteroarenes”

Niki R. Patel and Robert A. Flowers, II*

J. Am. Chem. Soc. **2013**, *135*, 4672–4675. DOI: 10.1021/ja400712g

S Supporting Information

Page 4674. There was a mathematical error in the derivation of our rate equation, eq 2. The corrected eq 2 is

$$-\frac{d[\mathbf{1}]}{dt} = \frac{k_1 k_2 [\mathbf{1}] [\text{Ag}^I]_{\text{tot}} [\text{S}_2\text{O}_8^{2-}]}{k_{-1} + k_3 [\mathbf{2}]} \quad (2)$$

The derivation of eq 2 has been corrected in the Supporting Information (page S18).

In addition, the proposed mass balance in the derivation of the rate equation does not account for the change in $[\text{Ag}^I]_{\text{tot}}$ as the reaction progresses. Thus, the derived rate expression does not rationalize both the observed deactivation and the negative rate order observed for compound **2** simultaneously.

We regret this error, and a solution to this matter is currently being investigated. We thank Prof. Donna Blackmond for bringing this to our attention.

■ ASSOCIATED CONTENT

S Supporting Information

Experimental procedures, kinetic data, and spectral data; corrected derivation of eq 2 and additional notes on the mass balance. This material is available free of charge via the Internet at <http://pubs.acs.org>.