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Addition/Correction

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# Correction to Palladium-Catalyzed Highly Selective *ortho*-Halogenation (I, Br, Cl) of Arylnitriles via sp$^2$ C–H Bond Activation Using Cyano as Directing Group

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*Supporting Information*

We would like to clarify that for the halogenation of 4-methoxybenzonitrile there is a competition between the palladium-catalyzed *ortho*-halogenation (to form 2-halo-4-methoxybenzonitrile) and an electrophilic substitution (to form 3-halo-4-methoxybenzonitrile) because of the strong electron-donating property of the methoxyl group, and this competition is very sensitive to the reaction conditions, e.g., acidity and reaction temperature. Some products assigned as 3-halo-4-methoxybenzonitrile (obtained in the presence of TFA) were mistaken for the products **2e** (2-iodo-4-methoxybenzonitrile), **3e** (2-bromo-4-methoxybenzonitrile), and **4e** (2-chloro-4-methoxybenzonitrile). Now we revise the corresponding results as follows:

**2-Bromo-4-methoxybenzonitrile (3e):** 40 mg, 38%; $^1$H NMR (400 MHz, $CDCl_3$) $\delta$ 7.58 (d, $J$ = 8.8 Hz, 1H), 7.20 (s, 1H), 6.93 (dd, $J_1$ = 2.4 Hz, $J_2$ = 8.8 Hz 1H), 3.88 (s, 3H); $^{13}$C NMR (100 MHz, $CDCl_3$) $\delta$ 163.2, 135.3, 126.5, 118.7, 117.5, 114.0, 107.5, 56.0.

**2-Chloro-4-methoxybenzonitrile (4e):** $^1$H NMR (400 MHz, $CDCl_3$) $\delta$ 7.58 (d, $J$ = 8.7 Hz, 1H), 7.02 (s, 1H), 6.88 (dd, $J_1$ = 2.3 Hz, $J_2$ = 8.7 Hz, 1H), 3.88 (s, 3H).

For the iodination of 4-methoxybenzonitrile, a mixture of 2-iodo-4-methoxybenzonitrile (**2e**), 3-iodo-4-methoxybenzonitrile, and a few diiodide products was obtained in which the yield of **2e** was about 20%.

## ASSOCIATED CONTENT

### Supporting Information

Revised file regarding the NMR spectra of **3e** and **4e**. This material is available free of charge via the Internet at http://pubs.acs.org.

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