

# Iron-Catalyzed Cross-Coupling between 1-Bromoalkynes and Grignard-Derived Organocuprate Reagents

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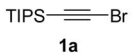
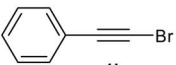
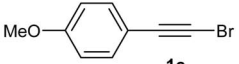
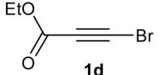
In Table 2 of the original article<sup>[1]</sup> the alkyne for Entries 1–8 should be **1a**; the correct Table 2 is given below.

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Table 2. Cross-coupling between PhMgBr/CuCl and different alkynyl bromides **1a–d**.

$$\text{R}-\text{C}\equiv\text{C}-\text{Br} \xrightarrow[\text{Fe}(\text{acac})_3, 10 \text{ mol-}\%, \text{ r.t.}]{\text{R}^1\text{MgBr/CuCl}} \text{R}-\text{C}\equiv\text{C}-\text{R}^1$$

**1a–d**  **2**

Entry	Alkyne <b>1</b>	R <sup>1</sup> MgBr/CuCl <sup>[a]</sup>	Compound <b>2</b>	Yield (%) <sup>[b]</sup>
1	 <b>1a</b>	Ph	<b>2a</b>	65
2		4-MeOC <sub>6</sub> H <sub>4</sub>	<b>2b</b>	80
3		4-FC <sub>6</sub> H <sub>4</sub>	<b>2c</b>	52
4		4-MeC <sub>6</sub> H <sub>4</sub>	<b>2d</b>	69
5		3-PhC <sub>6</sub> H <sub>4</sub>	<b>2e</b>	74
6		4-MeSC <sub>6</sub> H <sub>4</sub>	<b>2f</b>	82
7		thienyl	<b>2g</b>	38
8		PhCH <sub>2</sub> CH <sub>2</sub>	<b>2h</b>	78
9	 <b>1b</b>	Ph	<b>2i</b>	41
10		3,4-(OCH <sub>2</sub> O)C <sub>6</sub> H <sub>3</sub>	<b>2j</b>	49
11		thienyl	<b>2k</b>	52
12		PhCH <sub>2</sub> CH <sub>2</sub>	<b>2l</b>	55
13	 <b>1c</b>	3,4-(OCH <sub>2</sub> O)C <sub>6</sub> H <sub>3</sub>	<b>2m</b>	46
14		3,4,5-(MeO) <sub>3</sub> C <sub>6</sub> H <sub>2</sub>	<b>2n</b>	57
15 <sup>[c]</sup>	 <b>1d</b>	Ph	<b>2o</b>	18
16		thienyl	<b>2p</b>	54

[a] Prepared in situ from RMgBr and CuCl, THF, 25 °C, 20 min. [b] Isolated yields. [c] Reaction was performed at –20 °C.

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