Additions and Corrections

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Yanhui Shi, James T. Ciszewski, and Aaron L. Odom*: $Ti(NMe_2)_4$ as a Precatalyst for Hydroamination of Alkynes with Primary Amines.

Page 3968. It was recently discovered in our laboratory that the method used for workup and analysis of hydroamination reactions involving one substrate in Table 1 led to a misinterpretation of regioselectivities. The corrected values for the yield and regioselectivity are as shown. The adjusted regioselectivities were found to be consistent using a combination of GC/FID on crude reaction mixtures, in comparison with authentic samples, and ^{1}H NMR on isolated products. Isolations were done on the imines where possible to get consistent results. Otherwise, the products were reduced by lithium aluminum hydride in THF, and the corresponding amines were isolated. The yields are of isolated products.

Table 1. (Correction of Rows 3 and 7)

amine	alkyne	time (h)	% yield at 75 °C (M:anti-M)[a]
$PhNH_2$	PhC≡CH	2	49 (2:1)[b]
Bu^tNH_2	PhC≡CH	10	53 (1:50)[c]

[a] Ratio of Markovnikov to anti-Markovnikov products by GC/FID on crude reaction mixtures in conjunction with ratios by proton NMR of isolated products. [b] Isolated yield after reduction with excess $LiAlH_4$ in THF. [c] Isolated yield of imine.

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Changsheng Cao, James T. Ciszewski, and Aaron L. Odom*: Hydroamination of Alkynes Catalyzed by a Titanium Pyrrolyl Complex.

Page 5012. It was recently discovered in our laboratory that the method used for workup and analysis of hydroamination reactions involving one substrate in Table 1 led to a lack of detection for one of the two regioisomers. While the Markovnikov addition products were readily analyzed with phenylacetylene, the anti-Markovnikov products were not detected. The corrected values for the yield and regioselectivity are as shown. Regioselectivities were found to be consistent using a combination of GC/FID on crude reaction mixtures, in comparison with authentic samples, and ^{1}H NMR on isolated products. Isolations were done on the imines where possible to get consistent results. Otherwise, the products were reduced by lithium aluminum hydride in THF, and the corresponding amines were isolated. The yields are of isolated products.

Table 1. (Correction of Rows 3 and 8)

amine	alkyne	time (h)	yield at 75 °C (M:anti-M)[a]
aniline	PhC≡CH	8	38 (2:1)[b]
cyclohexylamine	PhC≡CH	20	50 (1:6)[c]

[a] Ratio of Markovnikov to anti-Markovnikov product by GC/FID on crude mixture in conjunction with ratio by ^{1}H NMR in isolated products. [b] Isolated yield after reduction with excess $LiAlH_4$ in THF. [c] Isolated yield of imine.

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