Angewandte Corrigendum

Upon further 2D NMR spectroscopic studies, the authors of this Communication discovered that their initial assignment of several cyclopropenes was incorrect. Compounds **3a**, **3b**, and **3d–3m** are actually furan derivatives. Under the reported cyclopropenation conditions (with [Rh₂esp₂]), the product is either the furan or the cyclopropene, depending on the nature of the alkyne substituent: with R = 4-MeOC₆H₄, Ph, 4-CF₃C₆H₄, nBu, and 2-thienyl, the furan **3'** is formed in 32–87% yield, while with R = 4-BrC₆H₄ and TMS, cyclopropenes **3a** and **3n** are formed in 56 and 52% yield, respectively (see the updated Scheme 2).

When the cyclopropenations are performed with $[Rh_2(Oct)_4]$ or $[Rh_2(S-PTAD)_4]$ at -45 °C, in each case the cyclopropenes were formed preferentially. However, cyclopropenes bearing electron-donating groups (4-MeOC₆H₄, *n*Bu, CH₂TMS, and 2-thienyl) could not be isolated by flash chromatography. These cyclopropenes can be generated in situ and reacted further.

The furan derivatives undergo $In(OTf)_3$ -catalyzed ring-opening and reorganization through zwitterionic intermediates to give the observed benzo-fused products. In relation to the hypothesis in the manuscript, the cyclopropene substrates do proceed to the benzo-fused products as reported in the manuscript (see updated Table 1). The authors apologize for this mistake.

3 52-56 % yield [Rh2esp2] for R = 4-BrC₆H₄,TMS (0.1-1.0 mol%) OMe <u>___</u>В MeO₂ Ñ2 CH₂Cl₂ 2 0 °C to RT [Rh₂(S-PTAD)₂] 31-87 % yield (2 mol%) for R = 4-MeOC₆H₄, Ph, 4-CF₃C₆H₄, nBu, 2-thienyl CH₂Cl₂ –45 °C

> for R = Ph, 4-CF₃C₆H₄, 4-MeOC₆H₄,* *n*Bu,* 2-thienyl*

> > ' = not isolable

3 ^K 21–63 % yield

OMe

R

Scheme 2. Rhodium(II)-catalyzed cyclopropenation.



[a] Reactions run with cyclopropene (1 equiv) and In(OTf)₃ (5 mol%) in CH_2Cl_2 at 25 °C. [b] Yields of product isolated after column chromatography. [c] Not isolated and used crude due to instability. [d] Values in parentheses represent the yields obtained when the furan **3**' was employed under the reaction conditions. [e] No reaction after 24 h.



Indium-Catalyzed Cycloisomerizations of Cyclopropene-3,3-Dicarbonyl Compounds: Efficient Access to Benzo-Fused Heteroaromatics and Heterobiaryls

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