Erratum

Sustainable Click Reaction Catalyzed by Supported Ionic Liquid Catalyst (Cu-SILC)

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Since all reactions were carried out in the presence of 1.2 equiv of triethylamine, all footnotes and the reference 21 should be revised as follows:

Table 1. ^a Reaction was carried out at r.t. in 50% aq EtOH with 0.05 equiv of Cu-SILC and 1.2 equiv of triethylamine, in which the CuBr·SMe₂ (Cu loading: 0.18 mmol/g) was immobilized with the aid of [bmim]NTf₂.

Table 2. ^a Reaction was carried out at r.t. with 0.05 equiv of Cu-SILC and 1.2 equiv of triethylamine, in which the CuBr·SMe₂ (Cu loading: 0.18 mmol/g) was immobilized on NDEAP-silica with the aid of [bmim]NTf₂.

Table 3. ^a Reaction was carried out at r.t. in 50% EtOH with 0.05 equiv of Cu-SILC and 1.2 equiv of triethylamine, in which copper salts (Cu loading: 0.18 mmol/g) were immobilized on mercaptopropyl SiO₂ with the aid of [bmim]PF₆.

Table 4. ^a Reaction was carried out at r.t. in 50% EtOH with 0.05 equiv of Cu-SILC and 1.2 equiv of triethylamine, in which the CuBr·SMe₂ was immobilized on mercaptopropyl SiO₂ with the aid of [bmim]NTf₂.

Table 5. ^a Reaction was carried out at r.t. in 50% aq EtOH with 0.07 ~ 0.08 equiv of Cu-SILC and 1.2 equiv of triethylamine, in which the CuBr·SMe₂ was immobilized on mercaptopropyl SiO₂ with the aid of [bmim]PF₆.

Table 6. ^a Reaction was carried out at r.t. in 50% aq EtOH with 0.05 ~ 0.08 equiv of Cu-SILC and 1.2 equiv of triethylamine, which was prepared from CuBr·SMe₂.

Reference 21:

Click Reaction of Benzylazide and 2-Methylbut-3-yn-2-ol: A suspension of benzylazide (65 mg, 0.49 mmol), 2-methylbut-3-yn-2-ol (51 mg, 0.61 mmol), triethylamine (84 mL, 0.6 mmol) and Cu-SILC (299 mg, 0.035 mmol of CuBr) in 50% aq EtOH (2 mL) was stirred at r.t. for 2 h. The organic layer was separated by filtration and the flask was rinsed with Et₂O. Combined organic layer was evaporated to dryness in vacuo. The residue was purified by column chromatography (eluent: *n*-hexane–ethyl acetate = 3:1 to 1:5) to give 2-[1-benzyl-1,2,3-triazol-4-yl]propan-2-ol **3a** (96 mg, 91%). Recovered Cu-SILC was used intact for further recycle experiments.