Erratum

A Novel, Practical Synthesis of Sulfonyl Chlorides from Thiol and Disulfide Derivatives

Kiumars Bahrami,* Mohammad Mehdi Khodaei,* Mehdi Soheilizad Synlett 2009, 2773.

Heterocyclic sulfonyl chlorides, such as pyrimidine-2-sulfonyl chloride and benzimidazole-2-sulfonyl chloride are unstable at room temperature.1–3 Pyrimidine-2-sulfonyl chloride rapidly decomposes to 2-chloropyrimidine2 and, in the case of benzimidazole-2-sulfonyl chloride, byproducts are 2-chlorobenzimidazole and 2-hydroxybenzimidazole.3 Therefore, for entries 10 and 11 in Table 2 and entries 9 and 10 in Table 3, the yields quoted pertain to these byproducts and not to the corresponding sulfonyl chlorides.

References:
(1) Richard, O.; Roblin, O.; James, W. J. Am. Chem. Soc. 1950, 72, 4890.