

Regio-selective Cyanation of (Z)-(1,2-dibromo-2-arylvinyl)triisopropylsilane with Suppression of Halogen Elimination

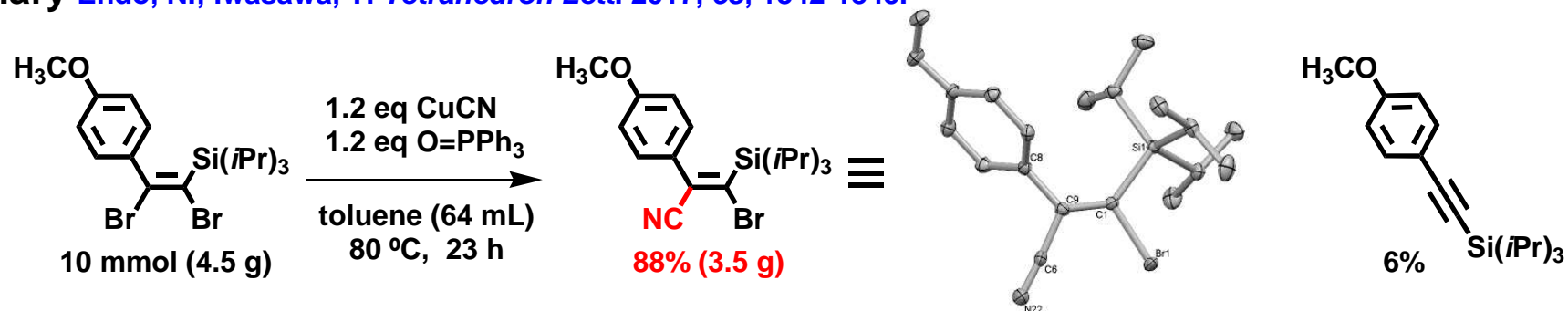


Naoki Endo, Tetsuo Iwasawa*

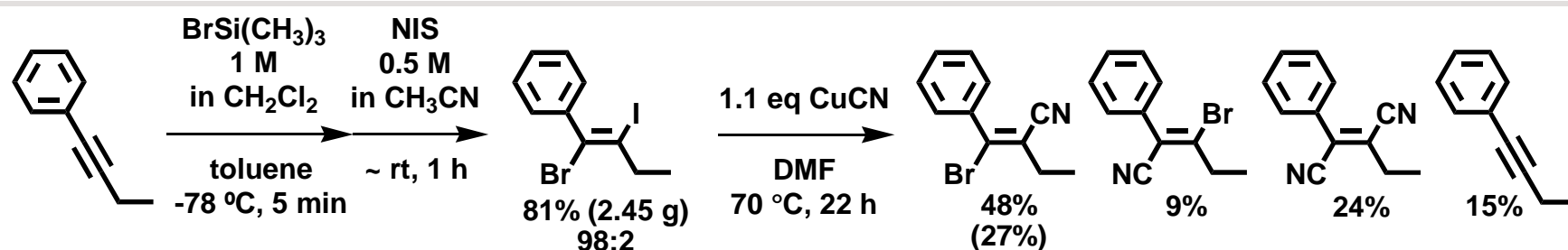
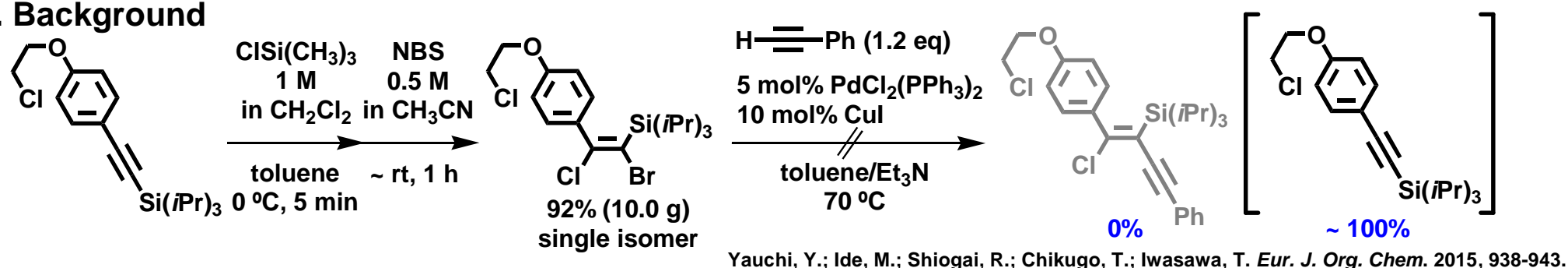
Department of Materials Chemistry, Ryukoku University, Seta, Otsu, Shiga 520-2194, Japan



1. Summary Endo, N.; Iwasawa, T. *Tetrahedron Lett.* 2017, 58, 1842-1845.



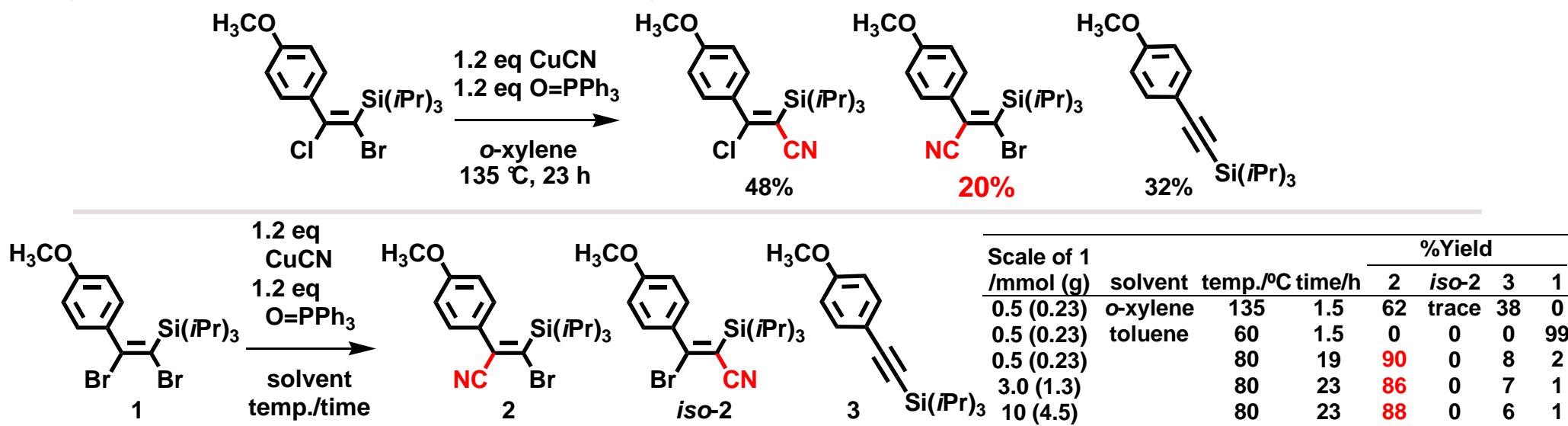
2. Background



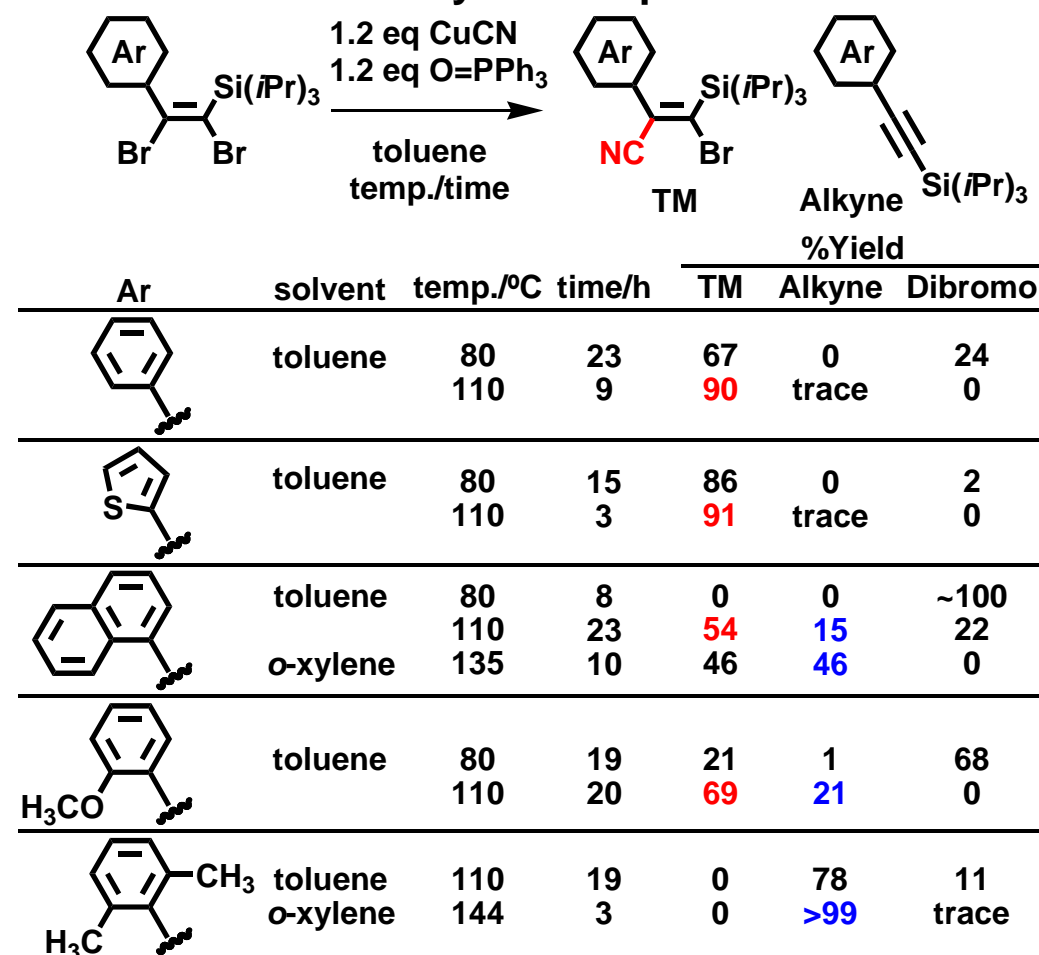
1. Ide, M.; Yauchi, Y.; Shiogai, R.; Iwasawa, T. *Tetrahedron* 2014, 70, 8532.

2. Endo, N.; Kanaura, M.; Iwasawa, T. *Tetrahedron Lett.* 2016, 57, 483-486.

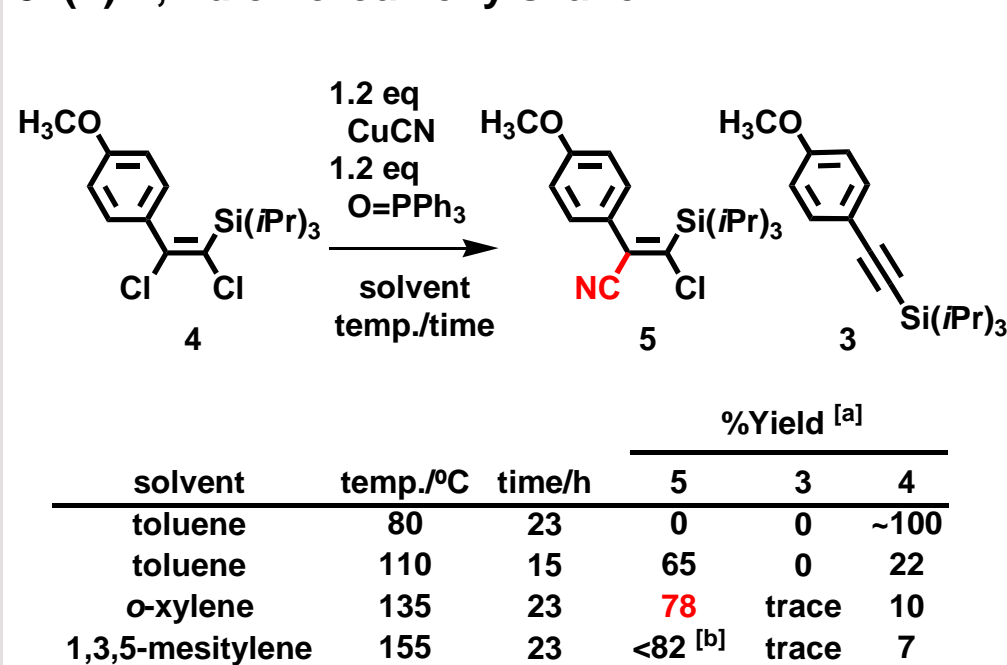
3. Cyanation of vicinal (Z)-1,2-dihaloalkenylsilane



4. Evaluation of this cyanation protocol



5. (Z)-1,2-dichloroalkenylsilane



[a] Isolated yields.

[b] ~ 90% purity. Unknown pesky impurities were observed.