

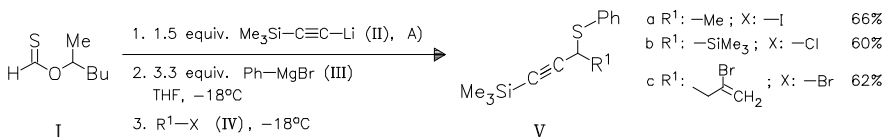
Thioethers

Q 0580

DOI: 10.1002/chin.201123069

23- 069

**Sequential One-Pot Reactions of Thioformates with Lithium Silylacetylides, Arylmagnesium Halides, and Electrophiles Leading to Formation of Propargyl Sulfides.** — One-pot reactions of thioformates with lithium silylacetylides, arylmagnesium halides, and electrophiles are described. The pathway for this process begins with addition of lithium (trimethylsilyl)acetylide to the thioformate C=S carbon, followed by the addition of the arylmagnesium halide to the sulfur atom of the C=S group in the in-situ generated propynethial. The intermediacy of the propynethial in this process is confirmed by trapping with cyclopentadiene [ $\rightarrow$ (VII)]. — (MURAI\*, T.; OHASHI, T.; SHIBAHARA, F.; Chem. Lett. 40 (2011) 1, 70-71, <http://dx.doi.org/10.1246/cl.2011.70>; Dep. Chem., Fac. Eng., Gifu Univ., Yanagido, Gifu 501-11, Japan; Eng.) — M. Bohle



A): Et<sub>2</sub>O, -78  $\rightarrow$  -18°C

