

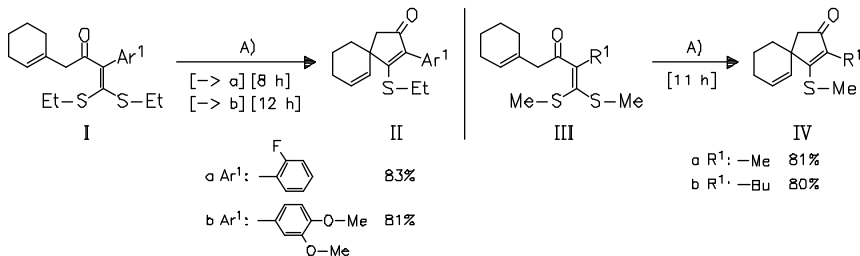
Cyclopentane derivatives

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**Palladium-Catalyzed Desulfurative Carbocyclizations of  $\alpha$ -(3-Butenyl) Ketene Dithioacetals in the Presence of Silanes.** — Optimized conditions allow the preparation of various 2-cyclopentenone structures with high yields. The process represents a new Heck-type cyclization which is based on a C—S bond cleavage for an approach to spiro compounds (mechanism). — (LIU, B.; CHANG, J.; ZHENG, G.; SONG, X.; WANG\*, M.; Eur. J. Org. Chem. 2015, 21, 4611-4614, <http://dx.doi.org/10.1002/ejoc.201500453>; Dep. Chem., Northeast Norm. Univ., Changchun 130024, Peop. Rep. China; Eng.) — Lehmann



A): 2 equiv. HSiPh<sub>3</sub>, 5 mol% PdCl<sub>2</sub>(PPh<sub>3</sub>)<sub>2</sub> (cat.), DMF, 100°C, [N<sub>2</sub>]

