## Metal-Mediated Synthesis

## Key words

diarylethynyl arenes

multicomponent coupling

titanocene



## Synthesis of Diarylethynyl Methanes via a Multicomponent Coupling

$$(\text{Het})\text{Ar}^{1} + (\text{Het})\text{Ar}^{2} - \text{H} + R - \text{Het})\text{Ar}^{2} - \text{He}^{2} - \text{H$$

**Significance:** A straightforward synthesis of diarylethynyl methanes via a titanocene-catalyzed multicomponent coupling has been disclosed. This rapid and divergent reaction furnishes the corresponding products in good to almost quantitative yield.

**Comment:** The reported reaction shows a high degree of modularity and convergency in the rapid assembly of complex target molecules. Furthermore, the authors could apply the new protocol to the synthesis of a natural product.

 SYNFACTS Contributors: Paul Knochel, Christoph Sämann

 Synfacts 2013, 9(2), 0195
 Published online: 18.01.2013

 DOI: 10.1055/s-0032-1318067; Reg-No.: P17412SF