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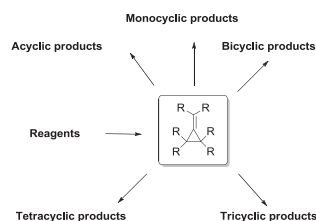
Contents

REPORT

Recent developments in the synthesis and reactivity of methylene- and alkylidenecyclopropane derivatives

pp 4991–5031

H el ene Pellissier



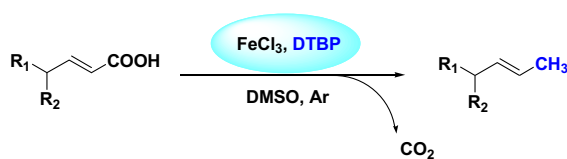
This review collects the recent developments in the synthesis and reactivity of methylene- and alkylidenecyclopropane derivatives, covering the literature since the beginning of 2010. Methylene- and alkylidenecyclopropanes are highly strained but remarkably stable and readily accessible molecules. Because of this strained nature, associated with a large structural differentiation available, methylene- and alkylidenecyclopropanes show remarkable reactivities. This review demonstrates that the chemistry of these compounds is the most rapidly developing among all small-ring compounds.

ARTICLES

Iron-catalyzed decarboxylative methylation of α,β -unsaturated acids under ligand-free conditions

pp 5033–5037

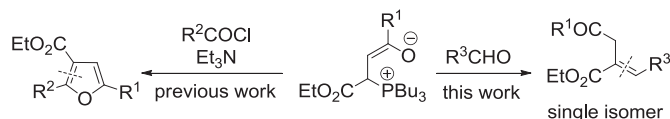
Guangwei Rong, Defu Liu, Linhua Lu, Hong Yan, Yang Zheng, Jie Chen, Jincheng Mao*



Synthesis of multi-functional alkenes via Wittig reaction with a new-type of phosphorus ylides

pp 5038–5045

Yi-Ling Tsai, Siang-en Syu, Shu-Mei Yang, Utpal Das, Yu-Shiou Fan, Chia-Jui Lee, Wenwei Lin*



An efficient synthesis of multi-functional alkenes has been described starting from commercially available starting materials. Phosphorus ylide is the key intermediate in this approach. A plausible mechanism has been proposed and the products were further converted to pyridazinone derivatives.

**Synthesis and properties of a graphene-like macrocycle based on tetraphenylethene**

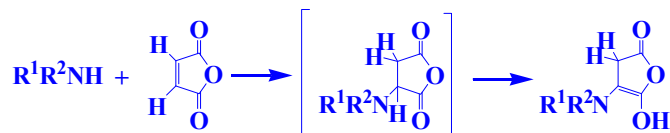
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Han Wang, Tingting Lin, Ji Ma, Weizhi Wang*

**Tandem Michael addition of amines to maleic anhydride and 1,3-prototropic shift: experimental and theoretical results**

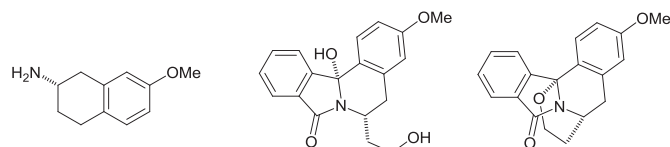
pp 5052–5056

Asha Gurjar, Pragma Sinha, Raj K. Bansal*

**Synthesis of (S)-2-amino-7-methoxytetralin and isoindolo[1,2-a]isoquinolinone derivatives from L-aspartic acid**

pp 5057–5063

Jon Erik Aaseng, Odd R. Gautun*



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