

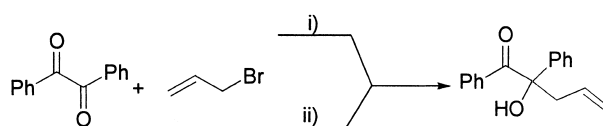
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REPORT

Indium- and gallium-mediated carbon–carbon bond-forming reactions in organic synthesis

pp 1959–1982

Vijay Nair,* Sindu Ros, C. N. Jayan and Bindu S. Pillai



i. In, NaI, DMF, 5 min, 97%
ii. Ga, KI, LiBr, THF, 70 °C, 6 h, 62%

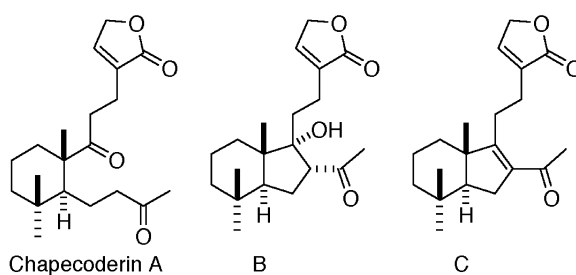
The carbon–carbon bond forming reactions mediated by indium as well as gallium are reviewed.

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The first total synthesis and determination of the absolute configuration of chapecoderin A, B and C

pp 1983–1989

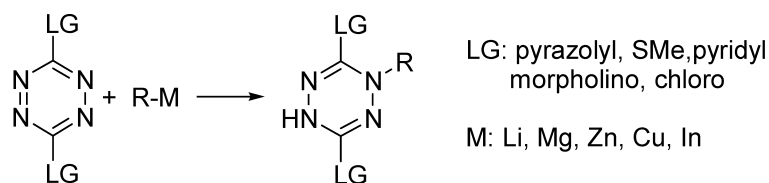
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The azaphilic addition of organometallic reagents on tetrazines: scope and limitations

pp 1991–1996

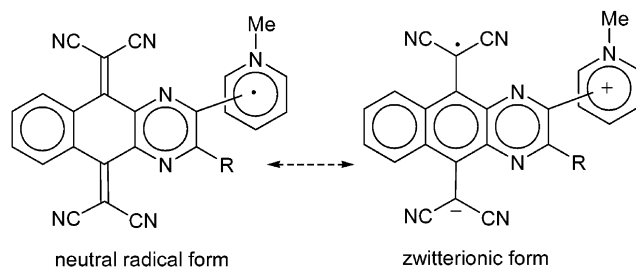
János Faragó, Zoltán Novák, Gitta Schlosser, Antal Csámpai and András Kotschy*



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pp 1997–2003

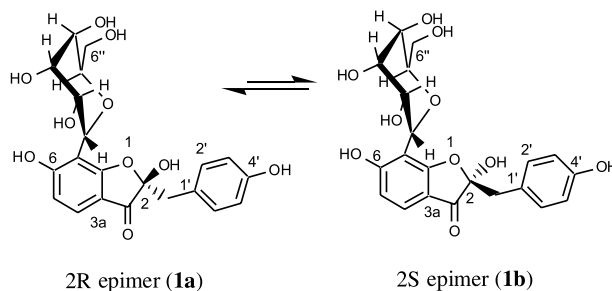
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pp 2005–2010

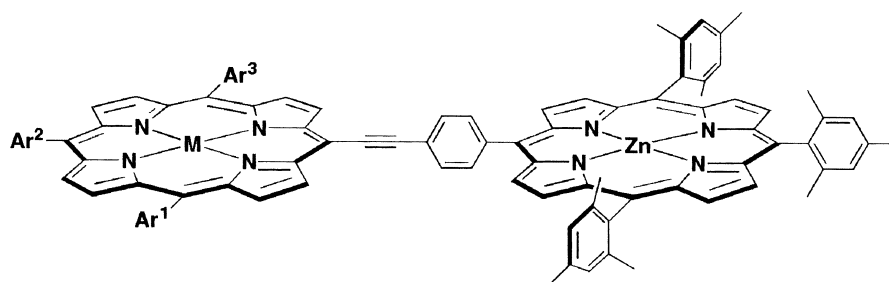
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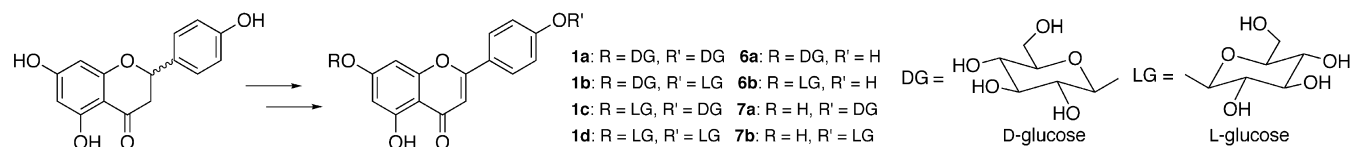
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Total synthesis of apigenin 7,4'-di-O-β-glucopyranoside, a component of blue flower pigment of *Salvia patens*, and seven chiral analogues

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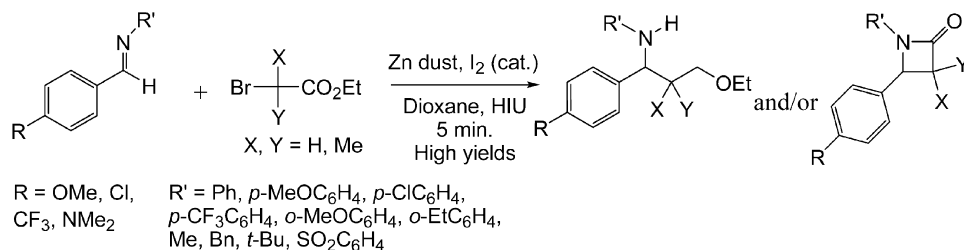
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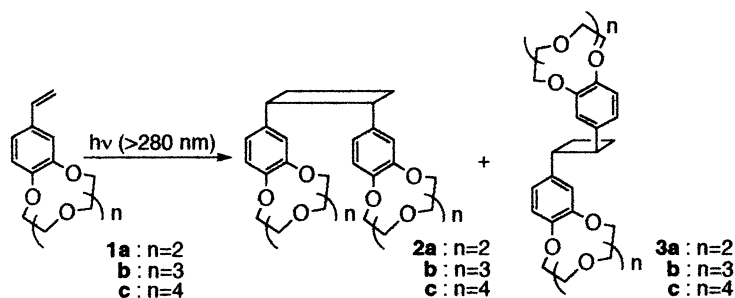
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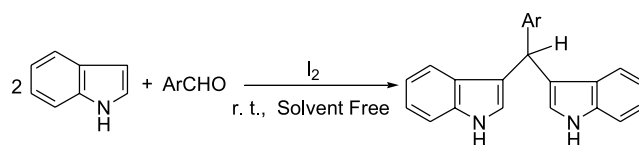
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Facile synthesis of bis(indolyl)methanes using catalytic amount of iodine at room temperature under solvent-free conditions

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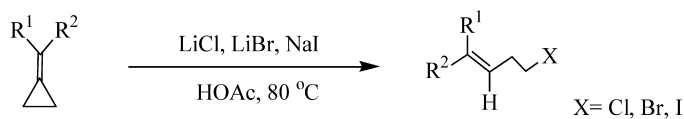
Shun-Jun Ji,* Shun-Yi Wang, Yong Zhang and Teck-Peng Loh*



Ring-opening reaction of methylenecyclopropanes with LiCl, LiBr or NaI in acetic acid

pp 2057–2062

Jin-Wen Huang and Min Shi*



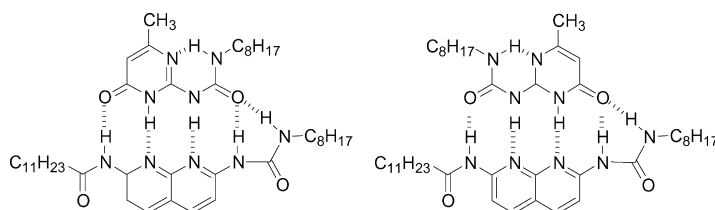
The reactions of MCPs **1** with LiCl, LiBr or NaI in acetic acid at 80 °C produce the corresponding homoallylic halides in good to excellent yields.

Novel multiply hydrogen-bonded heterodimers based on heterocyclic ureas.

pp 2063–2069

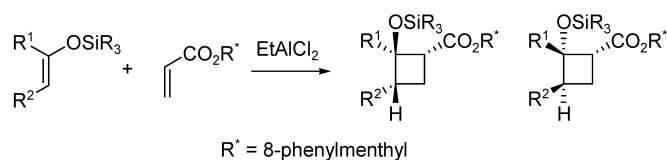
Folding and stability

Xiao-Qiang Li, Xi-Kui Jiang, Xiao-Zhong Wang and Zhan-Ting Li*

**An auxiliary induced asymmetric synthesis of functionalized cyclobutanes by means of catalytic (2+2)-cycloaddition reaction**

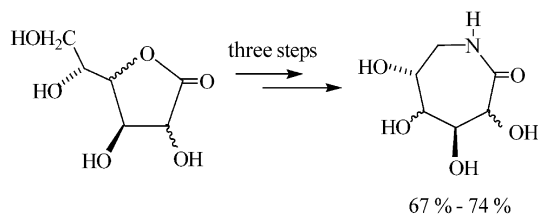
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Kiyosei Takasu,* Satoshi Nagao, Megumi Ueno and Masataka Ihara*

**Improved synthesis of 6-amino-6-deoxy-D-galactono-1,6-lactam and D-mannono-1,6-lactam from corresponding unprotected D-hexono-1,4-lactones**

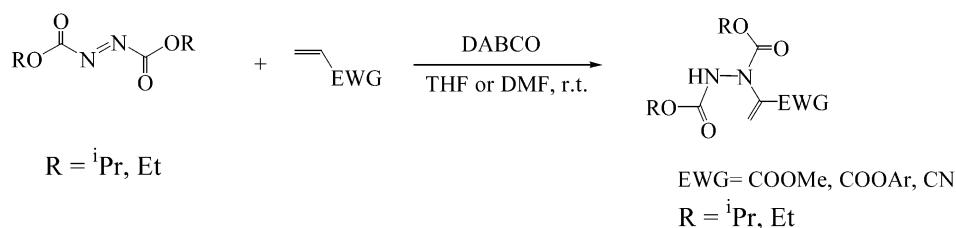
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Ludovic Chaveriat, Imane Stasik,* Gilles Demailly and Daniel Beaupère

**Aza-Baylis–Hillman reactions of diisopropyl azodicarboxylate or diethyl azodicarboxylate with acrylates and acrylonitrile**

pp 2083–2089

Min Shi* and Gui-Ling Zhao

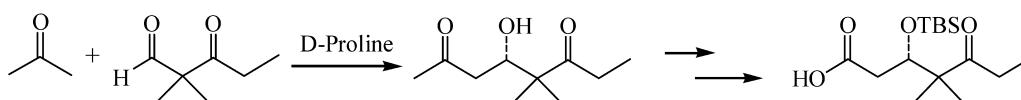


The aza-Baylis–Hillman reaction of DIAD or DEAD with various acrylates and acrylonitrile proceeds smoothly in the presence of DABCO in THF or DMF to give the corresponding adducts in moderate to good yields.

Asymmetric aldol reactions using catalytic D(+)-proline: a new, economic and practical approach to a commonly employed C1–C6 keto-acid synthon of the epothilones

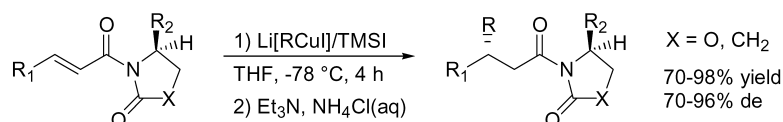
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Yansong Zheng and Mitchell A. Avery*

**Highly diastereoselective conjugate additions of monoorganocopper reagents to chiral imides**

pp 2097–2110

Jesse Dambacher, Robert Anness, Patrick Pollock and Mikael Bergdahl*

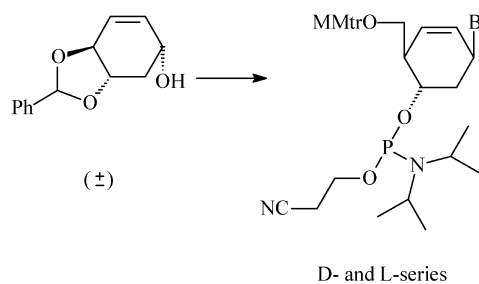


Presence of TMSI in the conjugate additions of $\text{Li}[\text{RCuI}]$ to various chiral imides are described. TMSI is crucial for the conjugate additions, but only in THF or when 12-crown-4 is used. The reaction is thought not to involve any halosilane in any critical steps in ether. The CuI/DMS complex plays an instrumental role for high yield as well as stereoselectivity.

Synthesis of enantiomeric-pure cyclohexenyl nucleoside building blocks for oligonucleotide synthesis

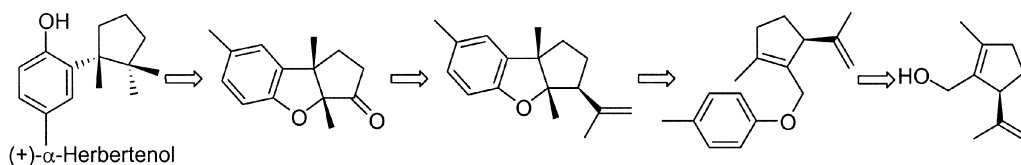
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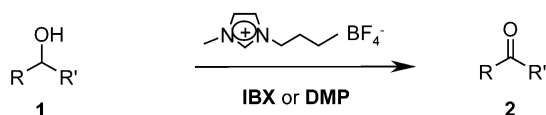
A. Srikrishna,* N. Chandrasekhar Babu and M. Srinivasa Rao



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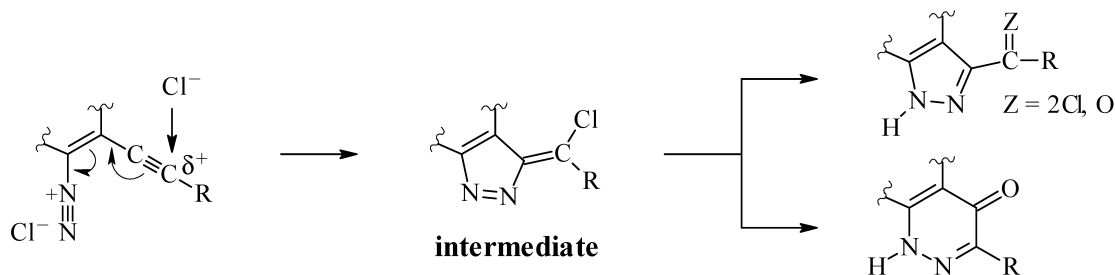
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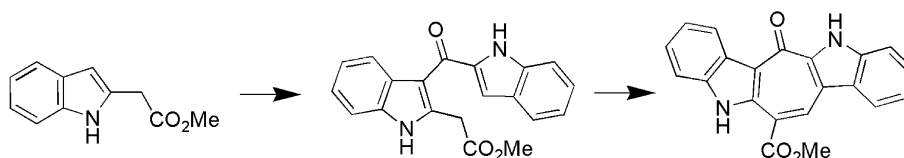
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Lidiya G. Fedenok,* Igor I. Barabanov, Valentina S. Bashurova and George A. Bogdanchikov


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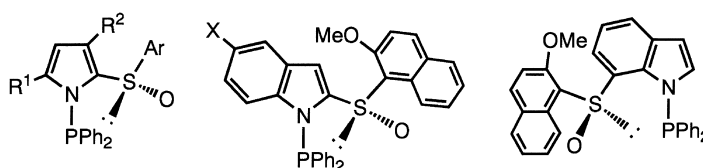
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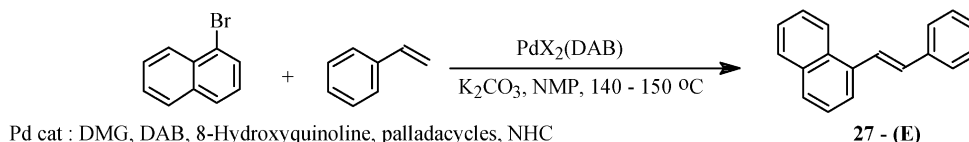
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Suresh Iyer,* Girish M. Kulkarni and C. Ramesh

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*Corresponding author

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