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COMMUNICATION

Marc J. Adler *et al.*

Towards a dynamic covalent molecular switch: substituent effects in chalcone/flavanone isomerism

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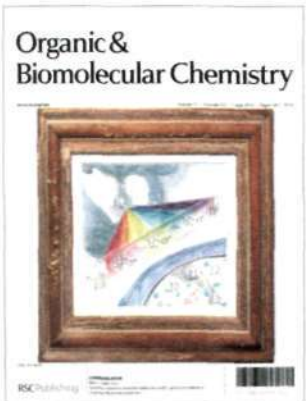

Cover
See Marc J. Adler *et al.*, pp. 3421–3423.

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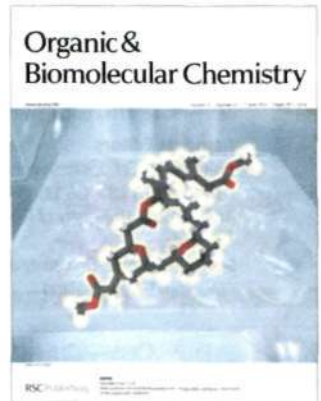

Inside cover
See Haruhiko Fuwa *et al.*, pp. 3442–3450.

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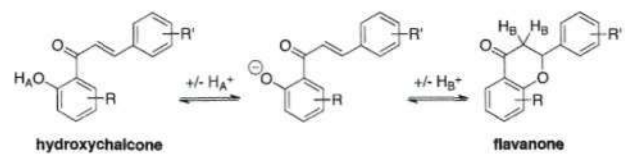
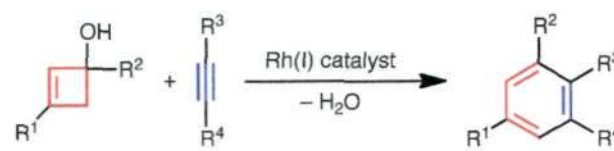
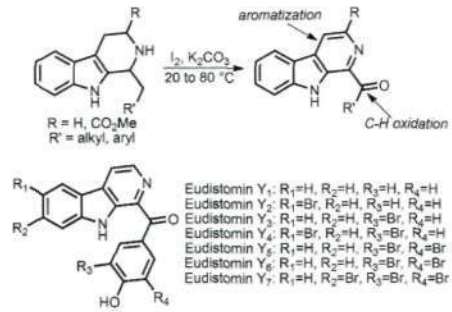
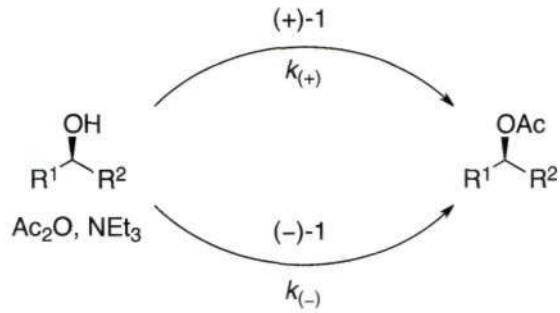
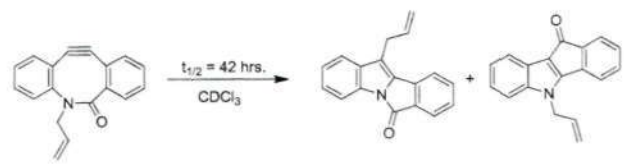
COMMUNICATIONS

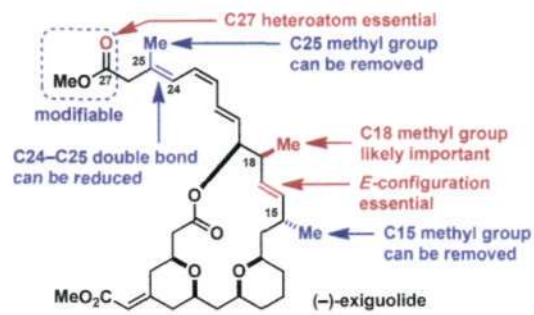


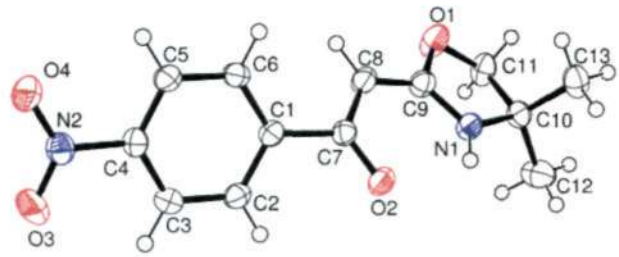


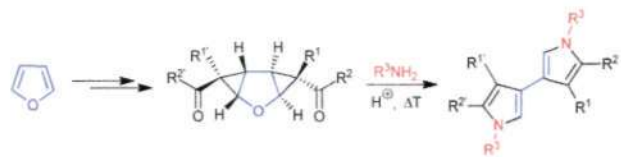


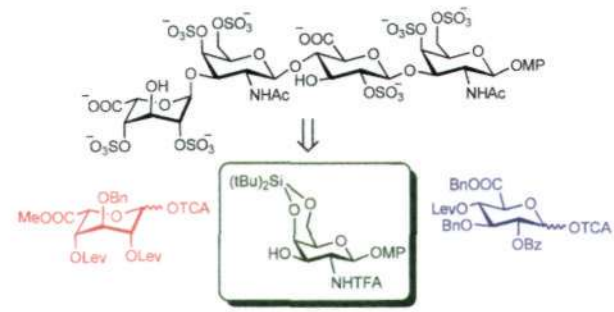


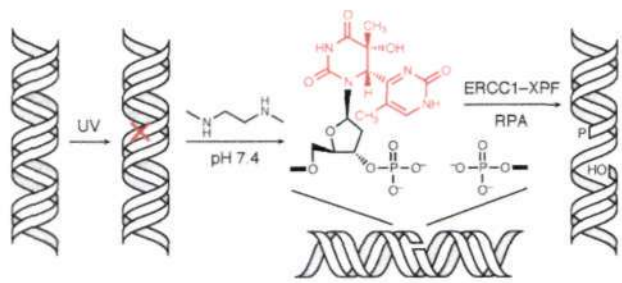


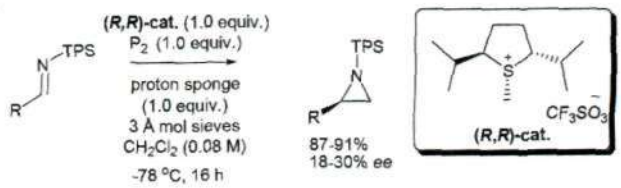








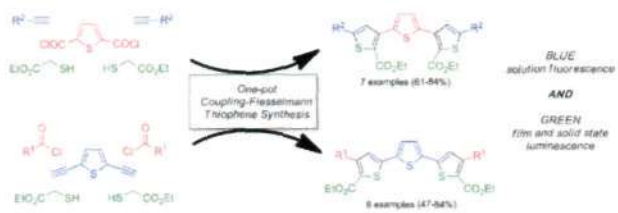




The asymmetric synthesis of terminal aziridines by methylene transfer from sulfonium ylides to imines

Sarah A. Kavanagh, Alessandro Piccinini and Stephen J. Connon*

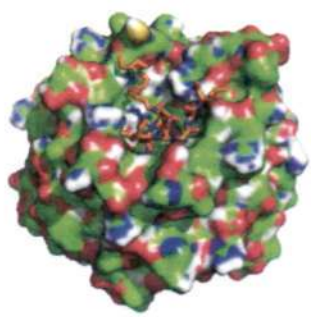
A new sulfonium ylide-based protocol for the asymmetric aziridination of imines *via* methylene transfer has been developed.



Efficient pseudo-five-component coupling-Fiesselmann synthesis of luminescent oligothiophenes and their modification

Marco Teiber, Sönke Giebeler, Timo Lessing and Thomas J. J. Müller*

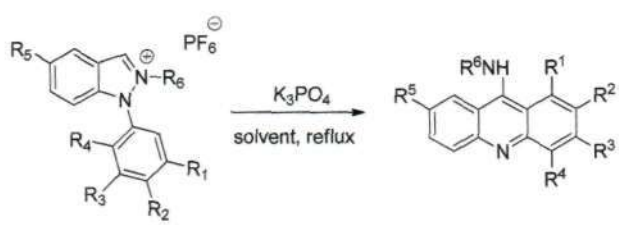
Highly luminescent symmetrical terthiophenes and quinquethiophenes are accessible in a consecutive pseudo-five-component reaction in good to excellent yield.



Peptide inhibitors of the Keap1–Nrf2 protein–protein interaction with improved binding and cellular activity

Rowena Hancock, Marjolein Schaap, Helene Pfister and Geoff Wells*

We describe potent peptide conjugate inhibitors of the Keap1–Nrf2 protein–protein interaction that have activity in cell based Nrf2 induction assays.



Pericyclic rearrangements of *N*-heterocyclic carbenes of indazole to substituted 9-aminoacridines

Zong Guan, Sascha Wiechmann, Martin Drafz, Eike Hübner and Andreas Schmidt*

On deprotonation, 1-arylindazolium salts form 1-arylindazol-3-ylidenes which rearrange spontaneously *via* ring cleavage, ring closure and subsequent proton transfer to substituted 9-aminoacridines.

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A convenient method for selective detection of 5-hydroxymethylcytosine and 5-formylcytosine sites in DNA sequences

Wuxiang Mao, Jianlin Hu, Tingting Hong, Xiwen Xing, Sen Wang, Xi Chen and Xiang Zhou*

The 5fC and 5hmC could be detected respectively, by comparing the DNA treated with piperidine with and without oxidation.