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# Organic & Biomolecular Chemistry

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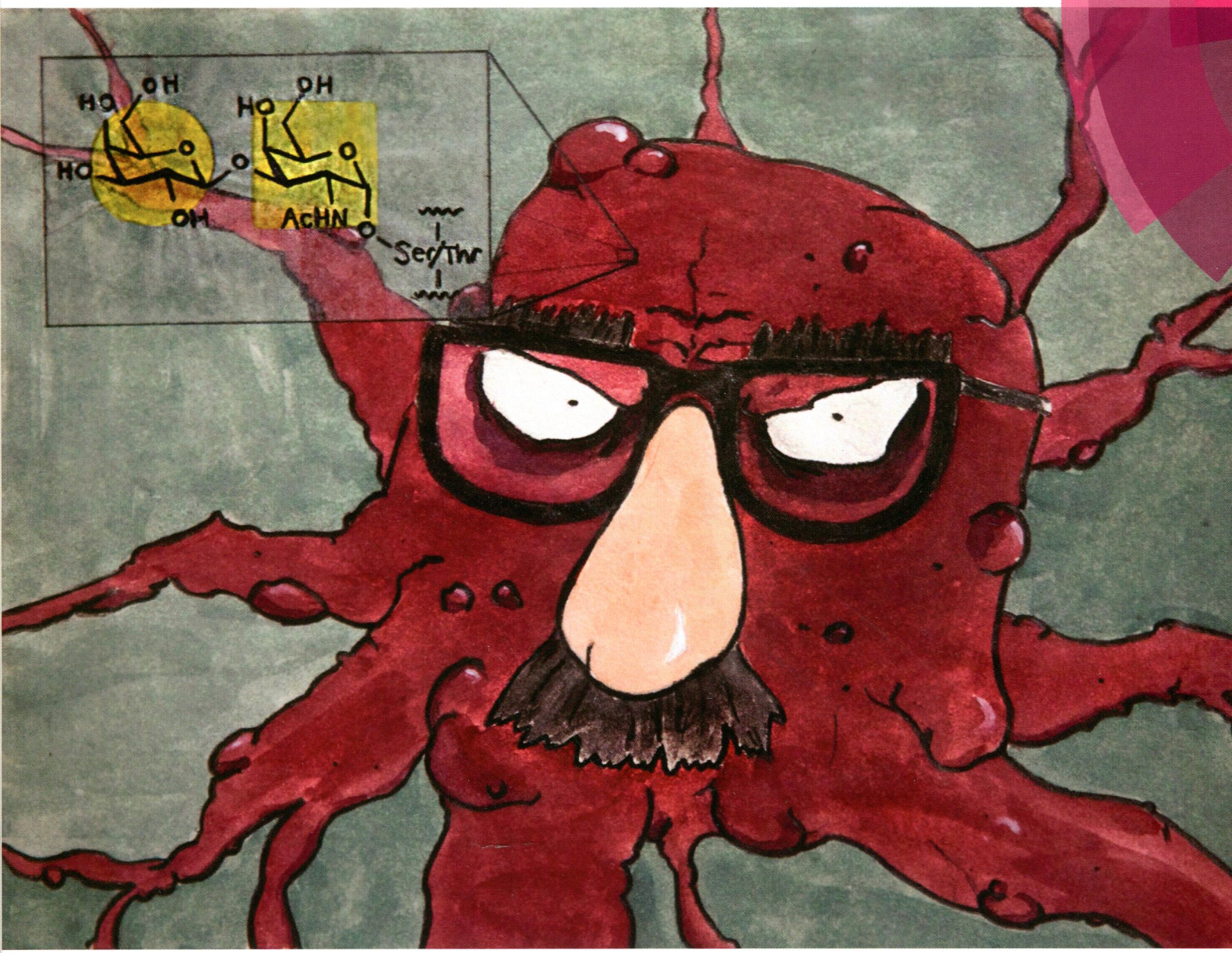


ISSN 1477-0520

ROYAL SOCIETY OF CHEMISTRY

COMMUNICATION

Peter R. Andreana *et al.*

Synthesis of the tumor associative α-aminooxy disaccharide of the TF antigen and its conjugation to a polysaccharide immune stimulant

# Organic & Biomolecular Chemistry

An international journal of synthetic, physical and biomolecular organic chemistry

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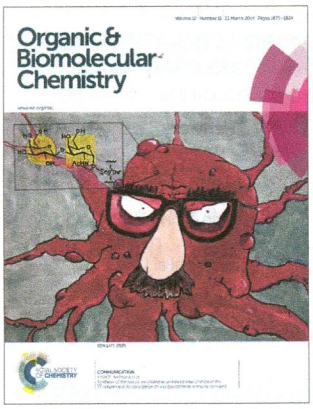
## IN THIS ISSUE


ISSN 1477-0520 CODEN OBCRAK 12(11) 1673–1824 (2014)


**Cover**

See Peter R. Andreana *et al.*, pp. 1699–1702.

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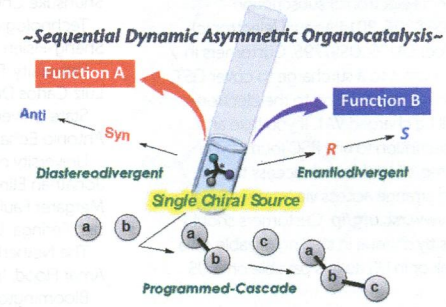
Rachel Bourgault is gratefully acknowledged for the design of the cover artwork.

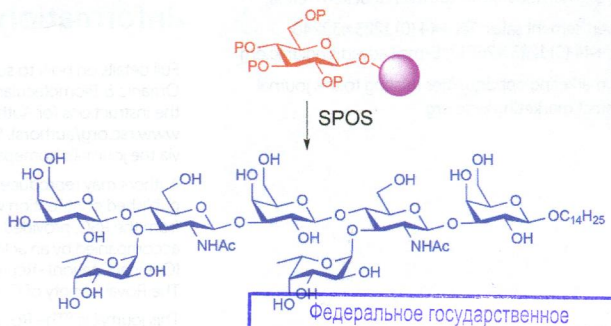

## PERSPECTIVE

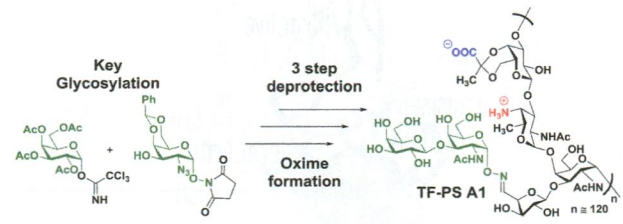




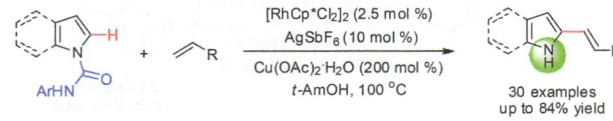

## REVIEW



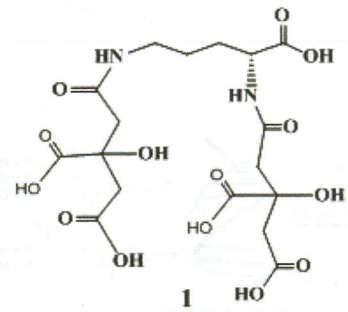




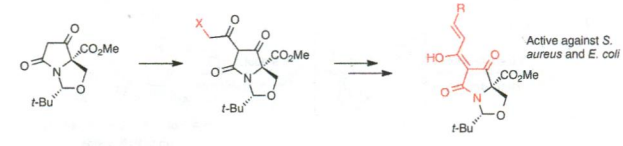




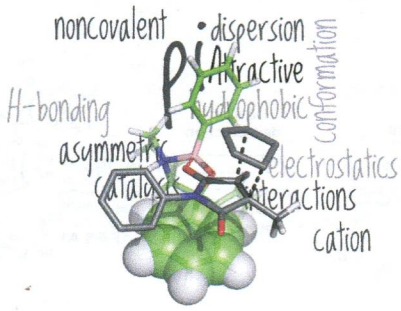





## COMMUNICATIONS

1717

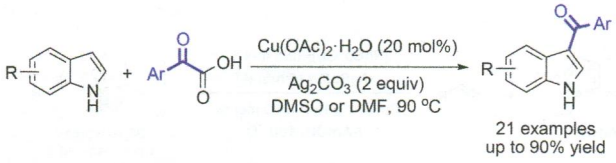



### Dissecting non-covalent interactions in oxazaborolidinium catalyzed cycloadditions of maleimides

Robert S. Paton

Asymmetric induction in oxazaborolidinium-catalyzed cycloadditions of maleimides results from favourable dispersive interactions, and not non-classical hydrogen bonding.

1721



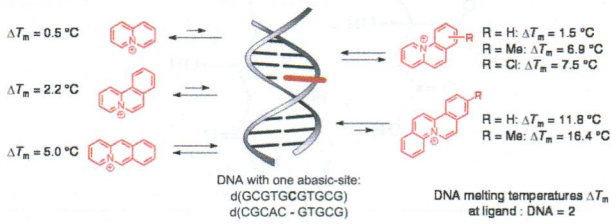

### Copper-catalyzed decarboxylative C3-acylation of free (N–H) indoles with α-oxocarboxylic acids

Cuiping Wang, Shaoyan Wang, Hua Li, Jingbo Yan, Haijun Chi, Xichao Chen and Zhiqiang Zhang*

A series of 3-acylindoles were synthesized by an efficient Cu-catalyzed decarboxylative C3-acylation of free (N–H) indoles with α-oxocarboxylic acids in moderate to high yields.

## PAPERS

1725

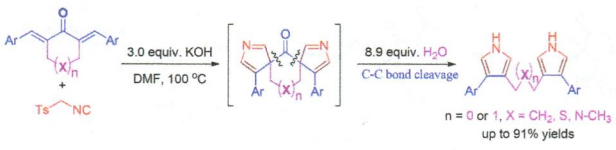



### Targeting abasic site-containing DNA with annelated quinolizinium derivatives: the influence of size, shape and substituents

Katja Benner, Heiko Ihmels,* Sarah Kölsch and Phil M. Pithan

A comparative analysis showed that the type and degree of annelation as well as methyl or chloro-substitution are relevant structural features that determine the interactions of quinolizinium derivatives with abasic site-containing DNA.

1735




### Water promoted C–C bond cleavage: facile synthesis of 3,3-bipyrrole derivatives from dienones and tosylmethyl isocyanide (TosMIC)

Rong Wang, Shun-Yi Wang* and Shun-Jun Ji*

Synthesis of 3,3-bipyrrole derivatives from dienones and tosylmethyl isocyanide has been reported.