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PAPER

Alessandro Volonterio *et al.*

Multi-component synthesis of peptide–sugar conjugates

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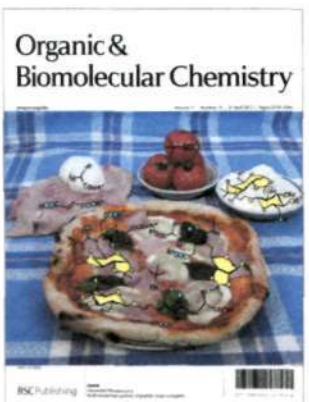

Cover
See Alessandro Volonterio *et al.*, pp. 2421–2444.

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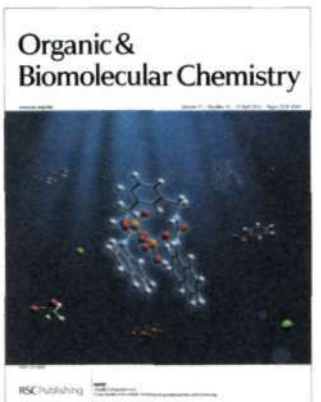

Inside cover
See Claudia Caltagirone *et al.*, pp. 2445–2451.

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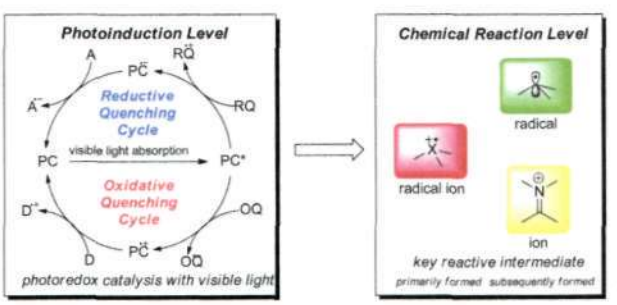
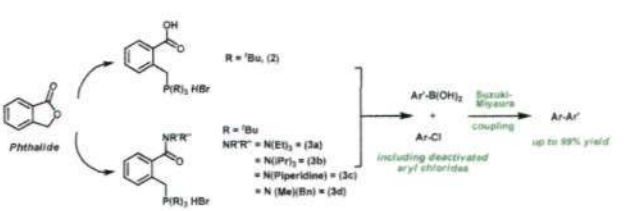
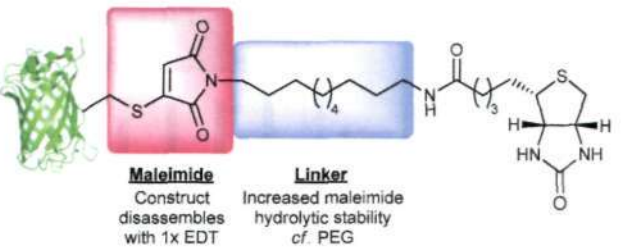
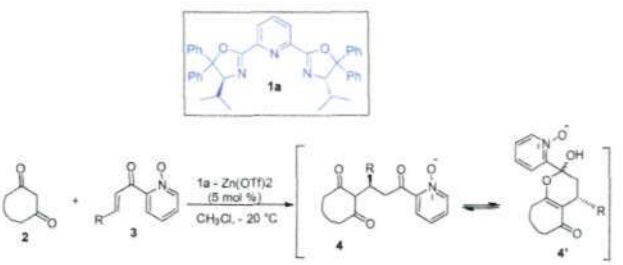
PERSPECTIVE

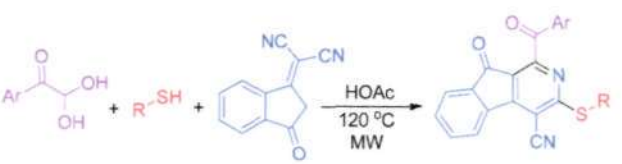


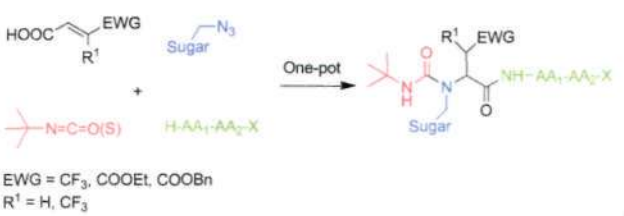
COMMUNICATIONS

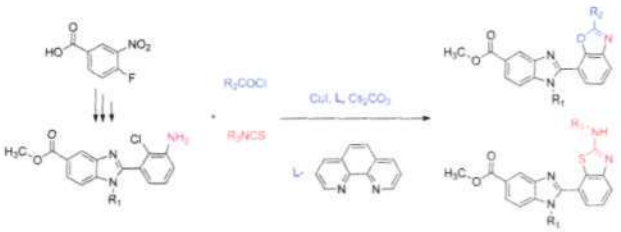


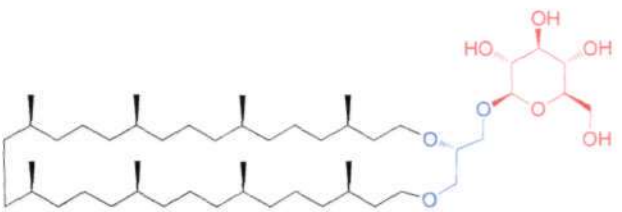


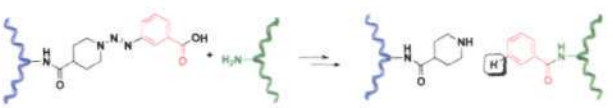


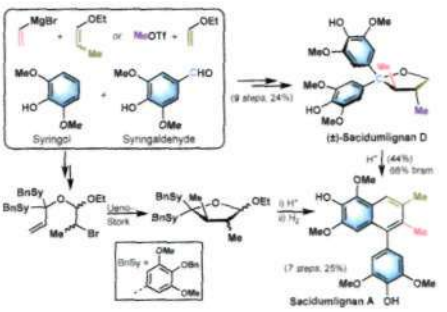












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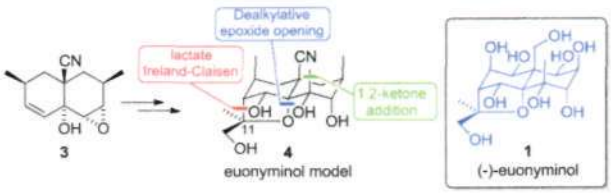

Towards the enantioselective synthesis of (−)-euonyminol – preparation of a fully functionalised lower-rim model

M. J. Webber, S. A. Warren, D. M. Grainger, M. Weston, S. Clark, S. J. Woodhead, L. Powell, S. Stokes, A. Alanine, J. P. Stonehouse, C. S. Frampton, A. J. P. White and A. C. Spivey*

A stereoselective synthesis of β-dihydroagarofuran **4** is described. The route features a lactate Ireland–Claisen rearrangement to establish the quaternary stereocentre at C11 and a dealkylative intramolecular epoxide-opening by the C11 methyl ether to close the tetrahydrofuranyl C-ring.

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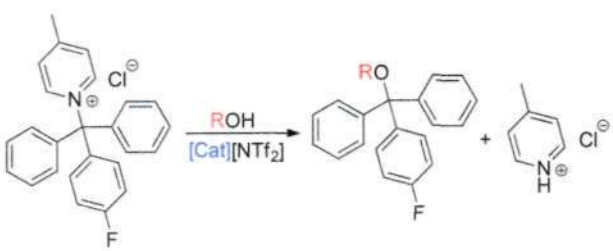

Steric, hydrogen-bonding and structural heterogeneity effects on the nucleophilic substitution of *N*-(*p*-fluorophenyl-diphenylmethyl)-4-picolinium chloride in ionic liquids

Cameron C. Weber, Anthony F. Masters and Thomas Maschmeyer*

The interplay between nucleophile and ionic liquid solvent effects on the kinetics of a nucleophilic substitution reaction are reported.