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Organic & Biomolecular Chemistry

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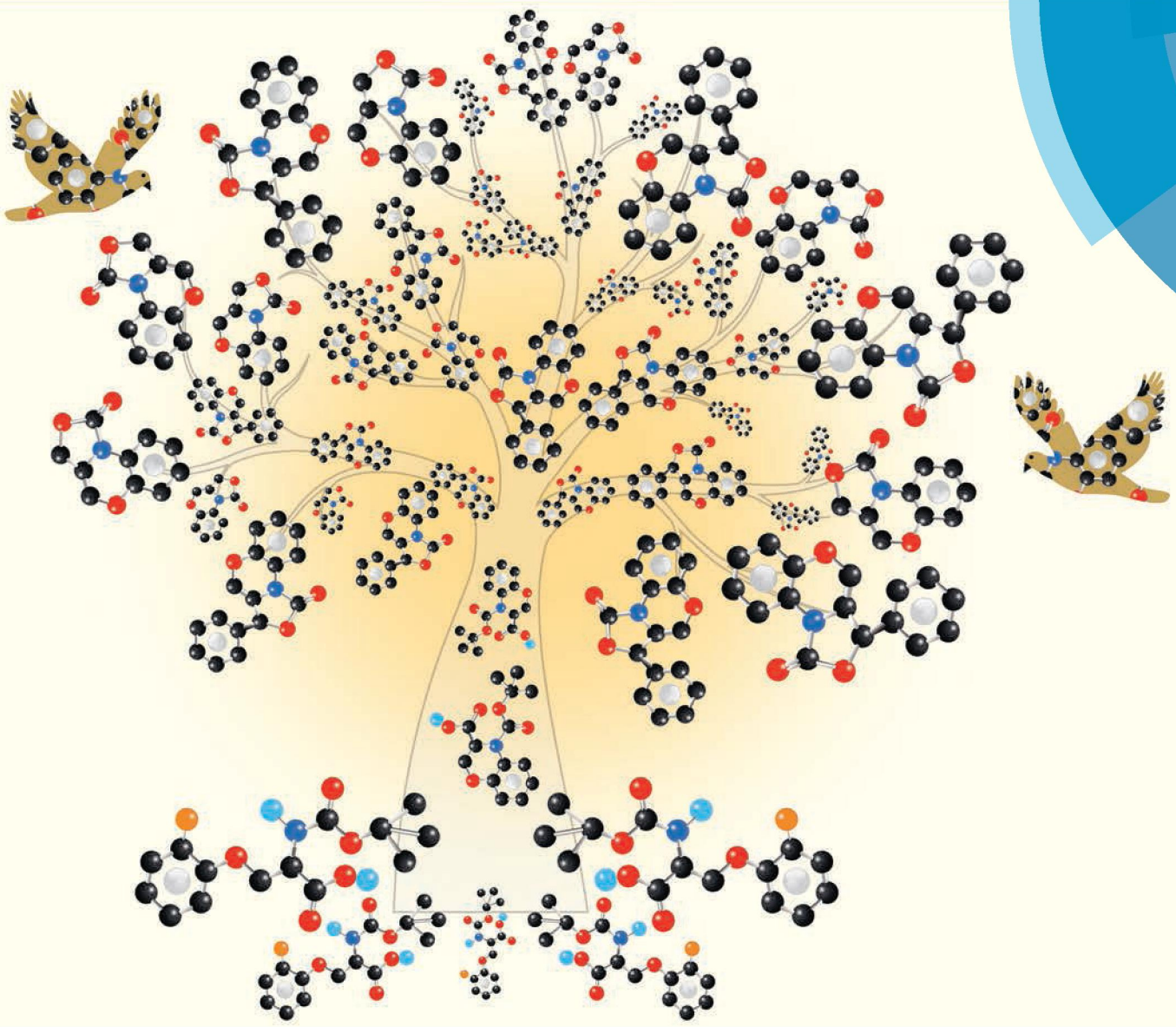

ISSN 1477-0520

ROYAL SOCIETY OF CHEMISTRY

PAPER

Sourav Basu, Saumen Hajra *et al.*

Enantiopure synthesis of dihydrobenzo[1,4]-oxazine-3-carboxylic acids and a route to benzoxazinyl oxazolidinones

Organic & Biomolecular Chemistry

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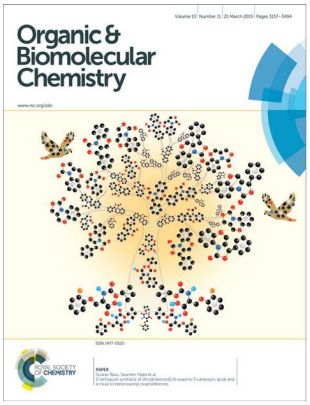

Cover
See Rajesh Malhotra, Tushar K. Dey, Sourav Basu* and Saumen Hajra,* pp. 3211–3219.

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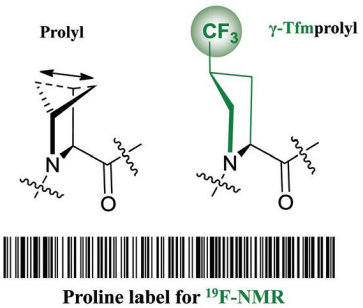

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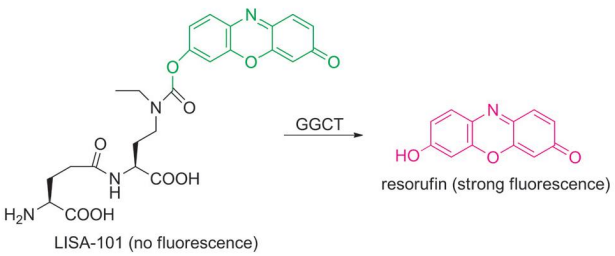

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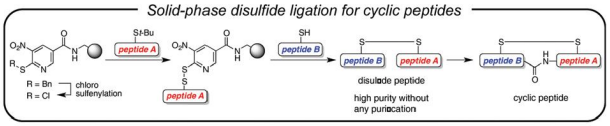

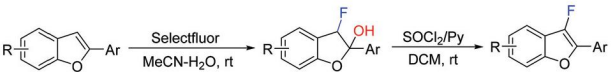

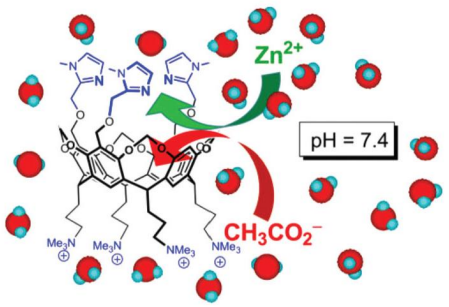

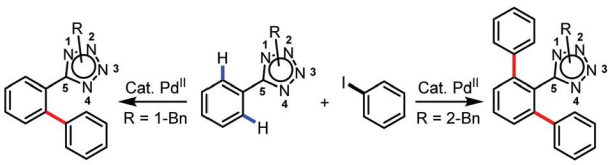

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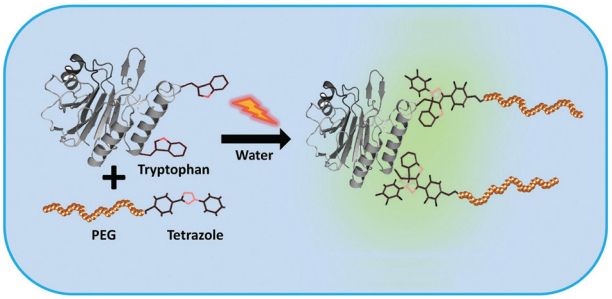

Photo-induced conjugation of tetrazoles to modified and native proteins

Winna Siti, Amit Kumar Khan, Hans-Peter M. de Hoog, Bo Liedberg and Madhavan Nallani*

The direct addition of a water-soluble PEG-tetrazole to tryptophan residues in native proteins is demonstrated.

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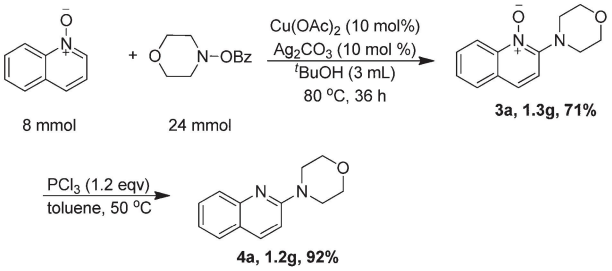

Copper(II)-catalyzed electrophilic amination of quinoline *N*-oxides with *O*-benzoyl hydroxylamines

Gang Li,* Chunqi Jia, Kai Sun, Yunhe Lv, Feng Zhao, Kexiao Zhou and Hankui Wu*

Copper acetate-catalyzed C–H bond functionalization amination of quinoline *N*-oxides was achieved using *O*-benzoyl hydroxylamine as an electrophilic amination reagent, thereby affording the desired products in moderate to excellent yields.

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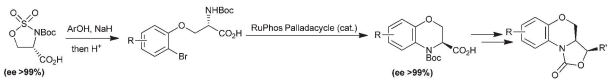

Enantiopure synthesis of dihydrobenzo[1,4]-oxazine-3-carboxylic acids and a route to benzoxazinyl oxazolidinones

Rajesh Malhotra, Tushar K. Dey, Sourav Basu* and Saumen Hajra*

A two step protocol is developed for the enantiopure synthesis of dihydrobenzoxazine-3-carboxylic acids *via* RuPhos Palladacycle-catalyzed aminoarylation of β-(2-bromoaryloxy)amino acids.

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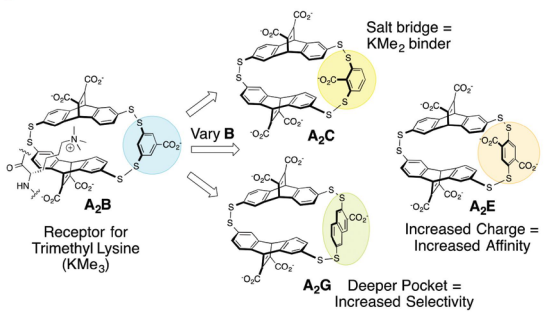

Contributions of pocket depth and electrostatic interactions to affinity and selectivity of receptors for methylated lysine in water

Joshua E. Beaver, Brendan C. Peacor, Julianne V. Bain, Lindsey I. James and Marcey L. Waters*

Investigation of charge and pocket depth in a series of receptors led to improved affinity and selectivity for trimethyllysine.

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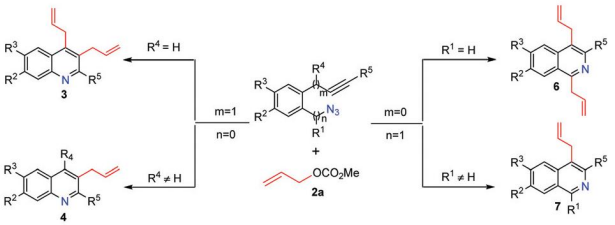

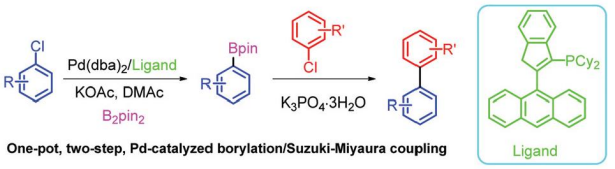

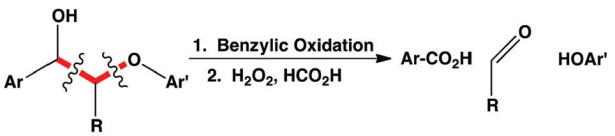

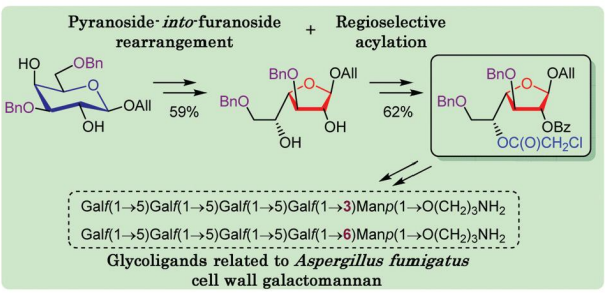

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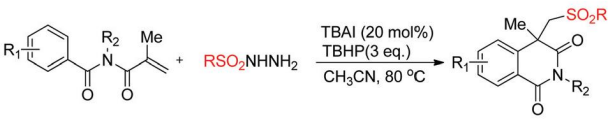

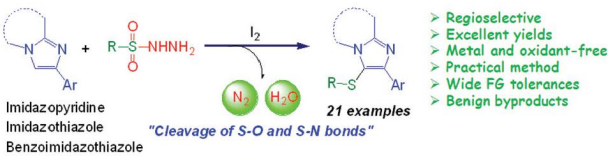

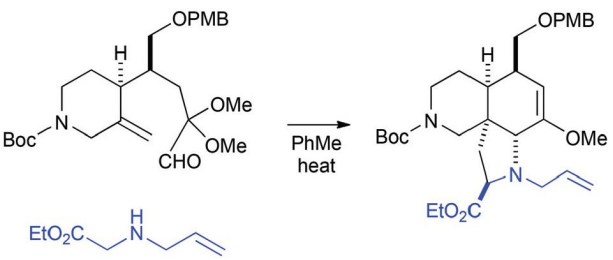

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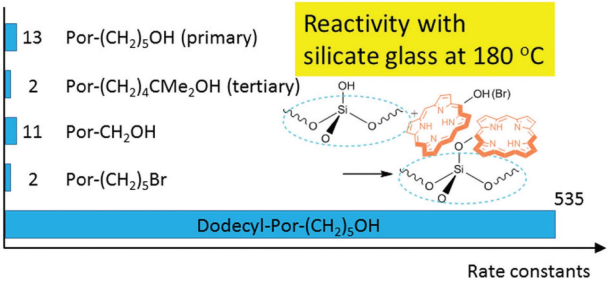

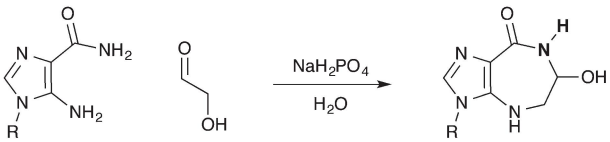

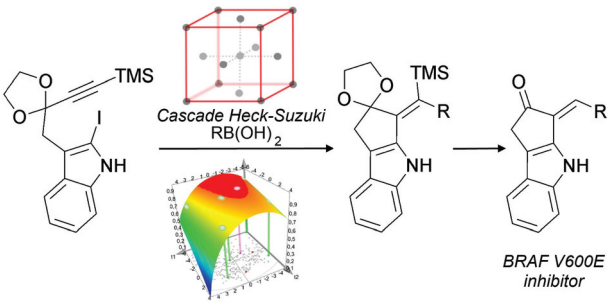

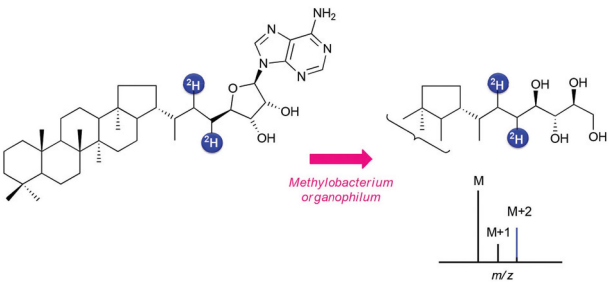

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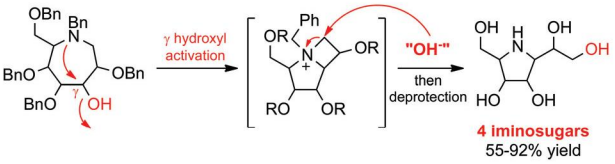

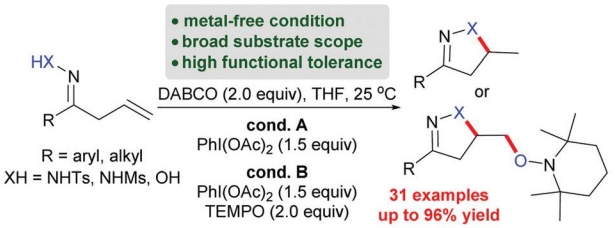

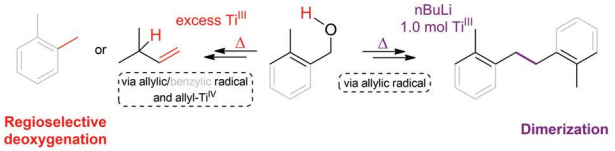

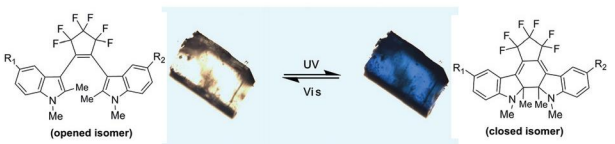

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