Organic & Biomolecular Chemistry

An international journal of synthetic, physical and biomolecular organic chemistry

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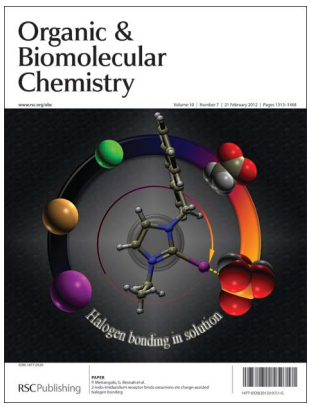

Cover
See P. Metrangolo, G. Resnati *et al.*, pp. 1329–1333.

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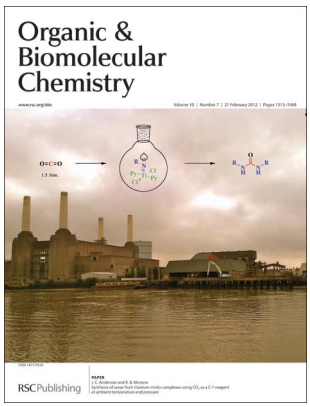

Inside cover
See J. C. Anderson and R. B. Moreno, pp. 1334–1338.

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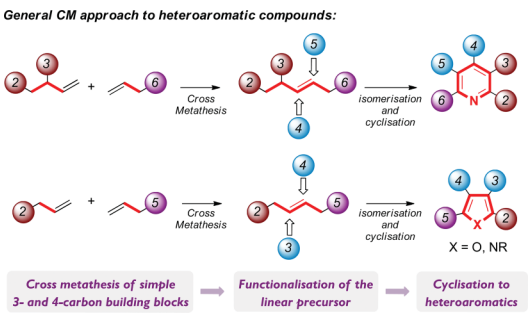

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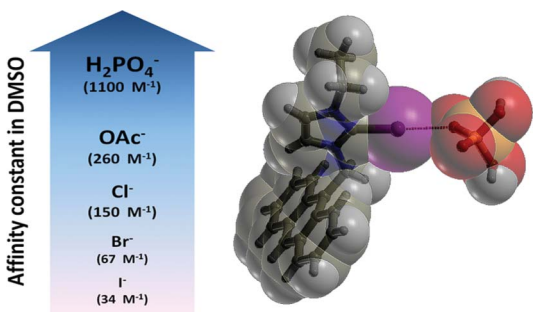

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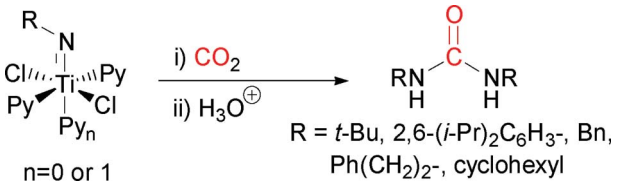
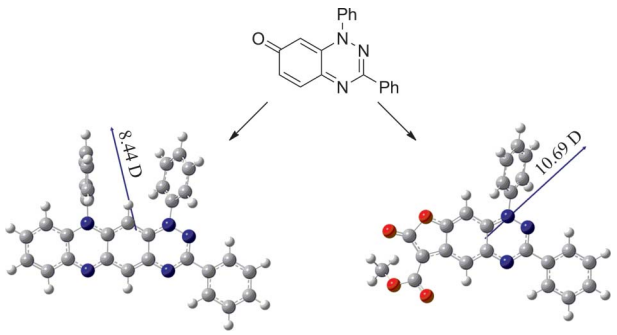
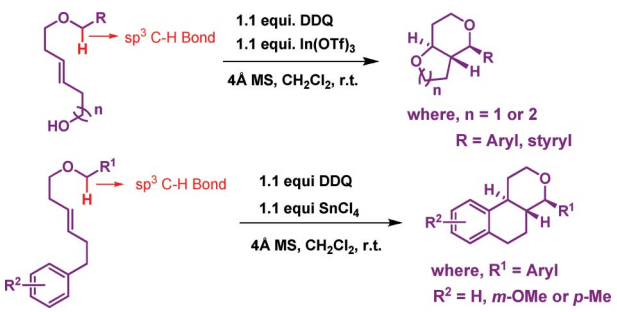
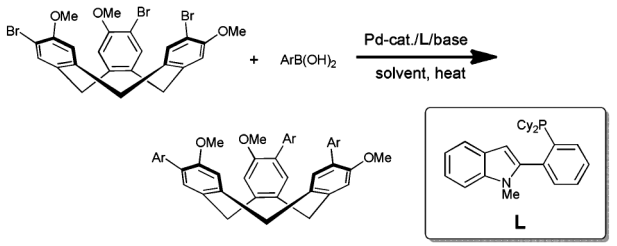
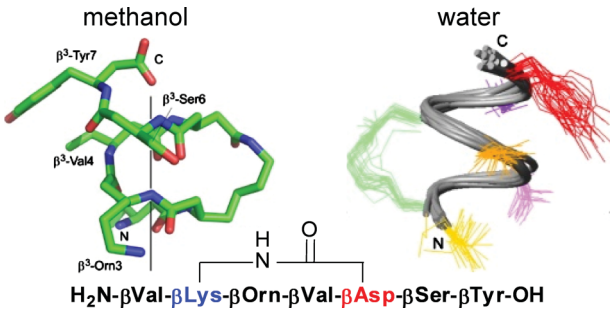










Positional screening and NMR structure determination of side-chain-to-side-chain cyclized β^3-peptides

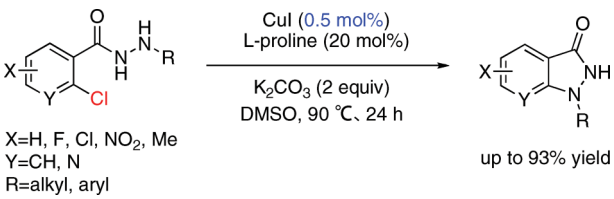
Esther Vaz, Sonja A. Dames, Matthias Geyer* and Luc Brunsveld*

Short β^3-peptides fold into stable 14-helices in water *via* lactam side-chain bridging, exemplified *via* a highly compact NMR high-resolution structure.

Design and synthesis of fluorescence-labeled *closo*-dodecaborate lipid: its liposome formation and *in vivo* imaging targeting of tumors for boron neutron capture therapy

Hiroyuki Nakamura,* Noriko Ueda, Hyun Seung Ban, Manabu Ueno and Shoji Tachikawa

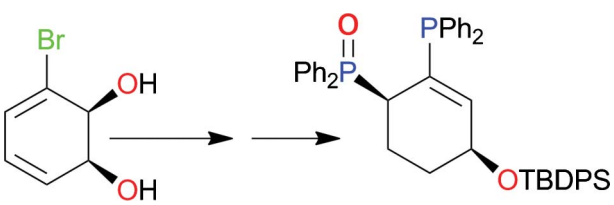
We report the design and synthesis of fluorescence-labeled closo-dodecaborane lipid (FL-SBL) and its liposome formation.



Copper-catalyzed synthesis of substituted indazoles from 2-chloroarenes at low catalyst-loading

Shinji Tanimori,* Yasuyuki Kobayashi, Yasukazu Iesaki, Yuka Ozaki and Mitsunori Kirihata

A low catalyst-loading version of indazolone synthesis based on intramolecular C–N bond formation of less reactive 2-chlorobenzhydrazide has been achieved.



Chemoenzymatic synthesis of a mixed phosphine–phosphine oxide catalyst and its application to asymmetric allylation of aldehydes and hydrogenation of alkenes

Derek R. Boyd,* Mark Bell, Katherine S. Dunne, Brian Kelly, Paul J. Stevenson,* John F. Malone and Christopher C. R. Allen

Organocatalyst for the addition of allyltrichlorosilane to aldehydes with up to 57% *ee*. Ligand for rhodium catalysed reduction of alkenes with up to 84% *ee*.