Organic & Biomolecular Chemistry

An international journal of synthetic, physical and biomolecular organic chemistry

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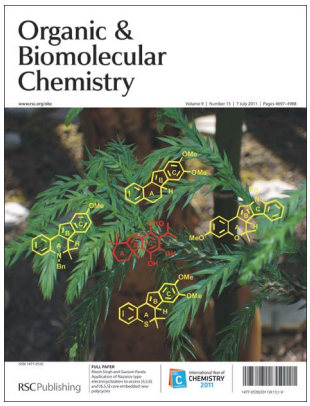

Cover

See Ritesh Singh and Gautam Panda, pp. 4782–4790.

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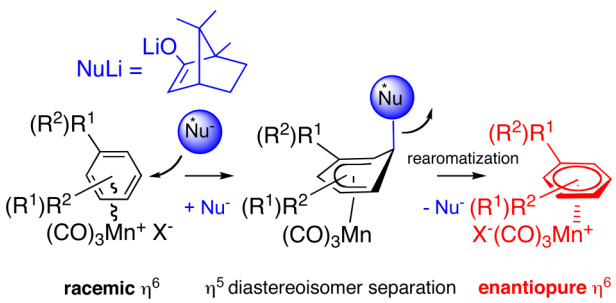
EMERGING AREA

PERSPECTIVE



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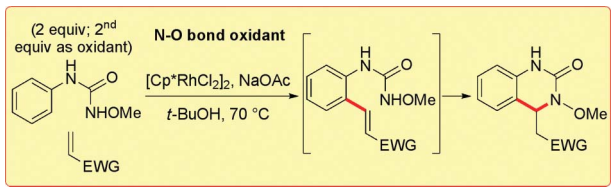

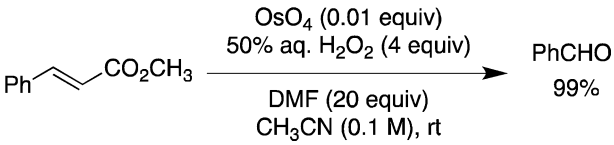

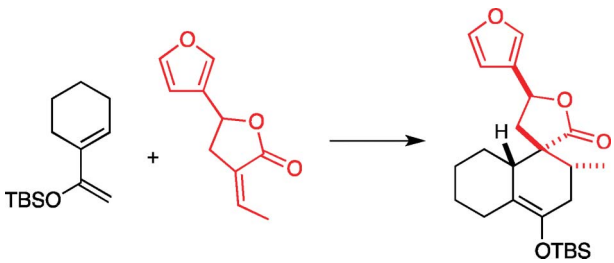

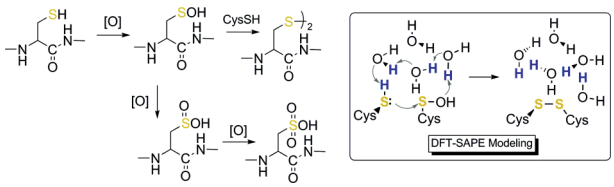

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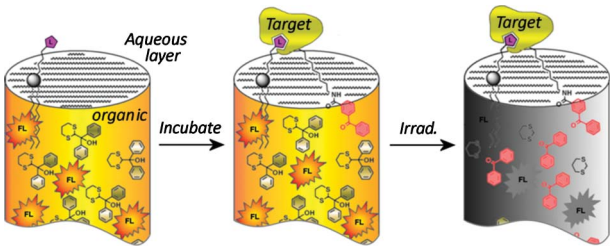

Photochemically amplified detection of molecular recognition events: an ultra-sensitive fluorescence turn-off binding assay

Tiffany P. Gustafson, Greg A. Metzel and Andrei G. Kutateladze*

Photoamplified fluorescence quenching methodology based on massive photo-unmasking of a dual function sensitizer–quencher is developed for ultra-sensitive detection of binding.

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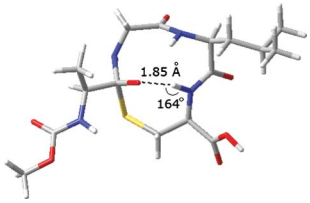

Alternating chemical ligation reactivity of S-acyl peptides explained with theory and computations

Alexander A. Oliferenko and Alan R. Katritzky*

Conformational preorganisation and intramolecular hydrogen bonding explains a previously discovered alternating reactivity of S-acyl peptides in internal chemical ligation reactions.

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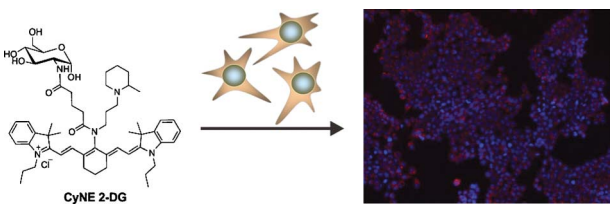

Synthesis and characterization of a cell-permeable near-infrared fluorescent deoxyglucose analogue for cancer cell imaging

Marc Vendrell, Animesh Samanta, Seong-Wook Yun and Young-Tae Chang*

We report a novel NIR fluorescent deoxyglucose analogue (**CyNE 2-DG**) with good cell permeability and validated its application for cancer cell imaging.

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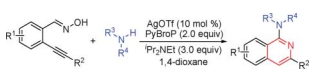
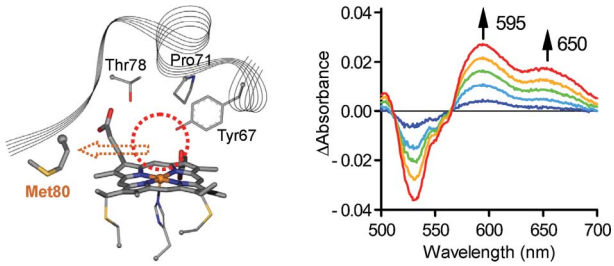
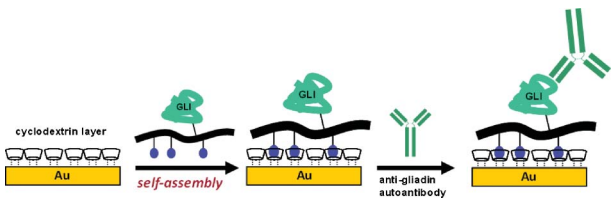


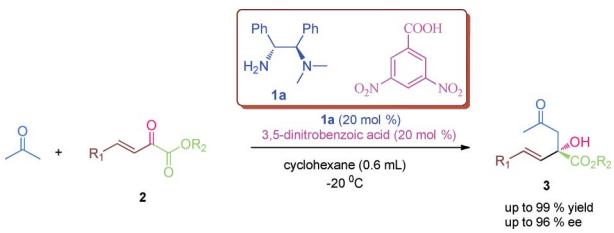
An efficient route to 1-aminoisoquinolines *via* AgOTf-catalyzed reaction of 2-alkynylbenzaldoxime with amine

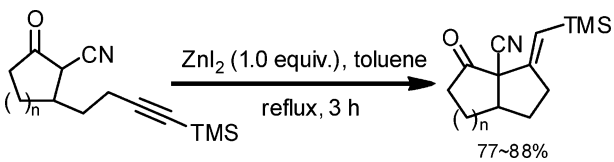
Danqing Zheng, Zhiyuan Chen, Jianping Liu* and Jie Wu*

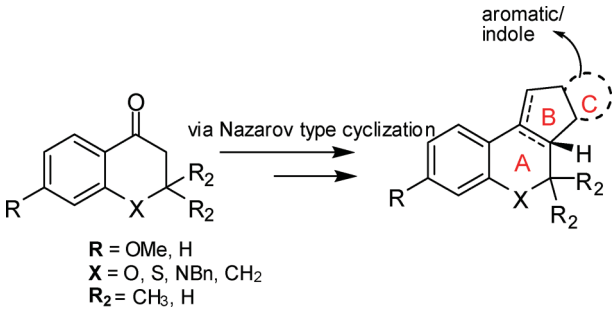
2-Alkynylbenzaldoxime reacts with amine catalyzed by silver triflate leading to 1-aminoisoquinolines in good yield with good functional group tolerance.

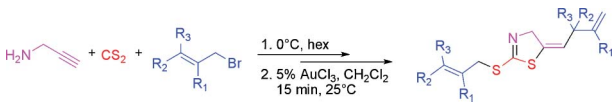


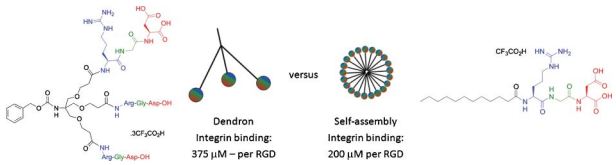


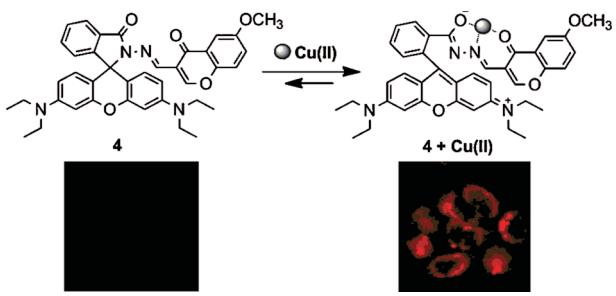


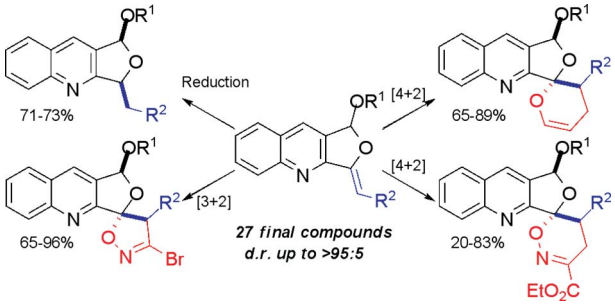


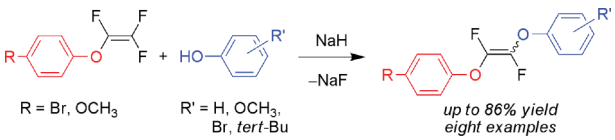


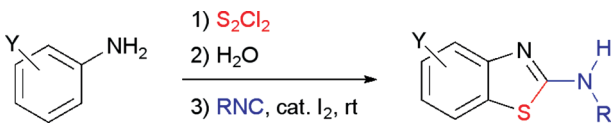


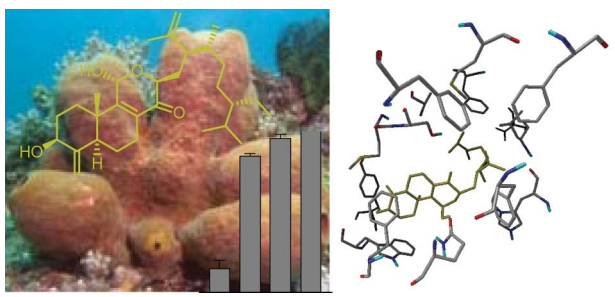












1st PACN Congress on Agricultural Productivity

How the chemical sciences can help to feed the world

21 – 23 November 2011

Accra International Convention Centre, Accra, Ghana

The Royal Society of Chemistry (RSC) is joining together with Syngenta to host the first Pan Africa Chemistry Network (PACN) Congress on Agricultural Productivity. This innovative conference will bring leading scientists together to discuss current research and ideas in the agricultural sciences - helping to feed the world!

Themes

Topics at the congress will include:

- Crop Protection
- Plant Nutrition
- Soil and Ecosystems
- Innovation in Agricultural Practices
- Adaptation to Climate Change

Key Deadlines

Abstract submission deadline:
19 September 2011

Bursary application deadline:
19 September 2011

Registration deadline:
17 October 2011

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