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PAPER
Huidong Yu, Yong Huang *et al.*
Directed arene/alkyne annulation reactions *via* aerobic copper catalysis

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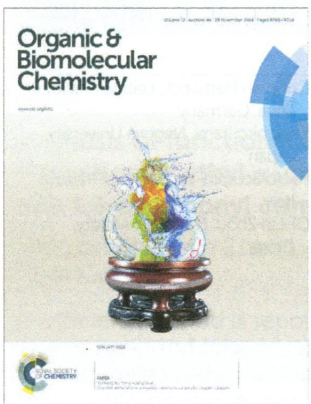

Cover

See Huidong Yu, Yong Huang *et al.*, pp. 8844–8850.

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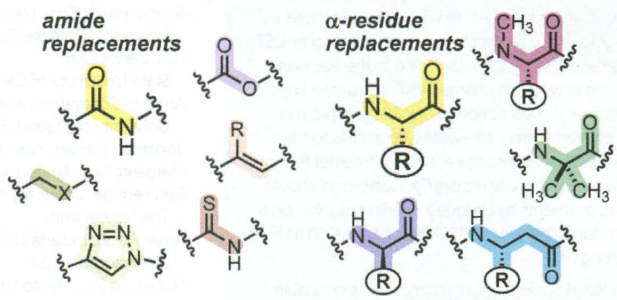
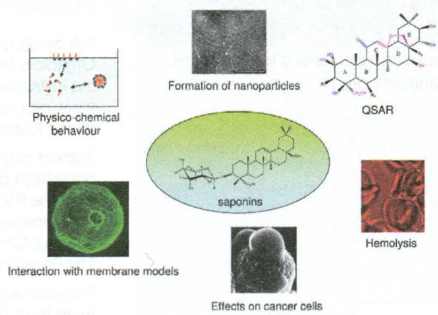
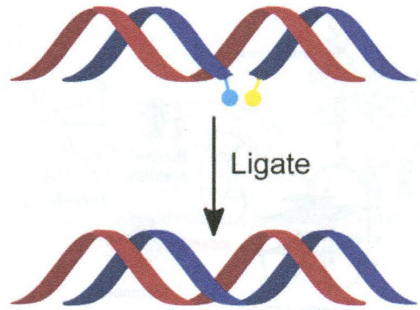
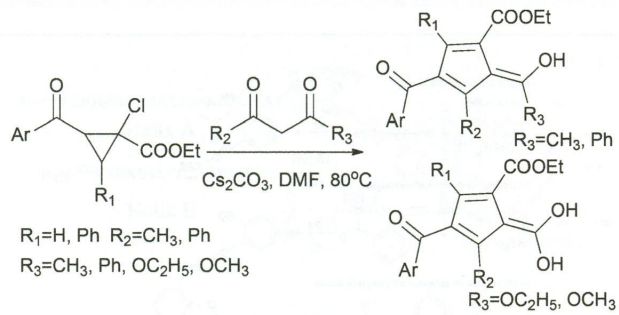
PERSPECTIVE

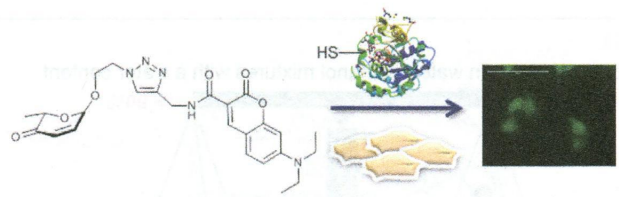


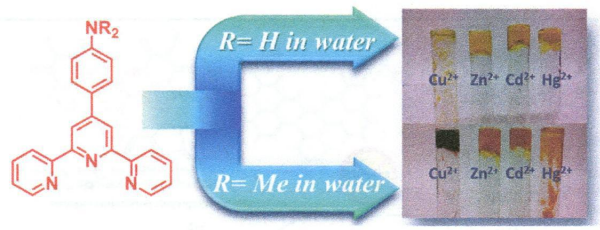
REVIEW











COMMUNICATIONS

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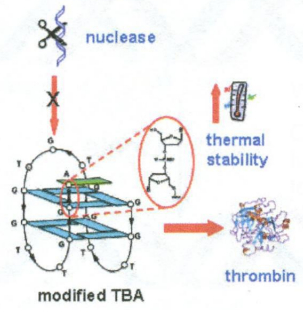


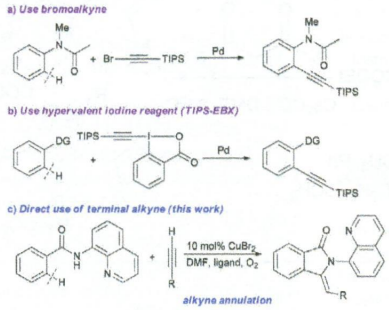
A straightforward modification in the thrombin binding aptamer improving the stability, affinity to thrombin and nuclease resistance

Veronica Esposito, Maria Scuotto, Antonella Capuozzo, Rita Santamaria, Michela Varra, Luciano Mayol, Antonella Virgilio* and Aldo Galeone*

Introduction of inversion of polarity sites at the 5'- and/or 3'-end in the thrombin binding aptamer is a simple modification able to improve, at the same time, thermal stability, affinity to thrombin and nuclease resistance.

PAPERS

8844

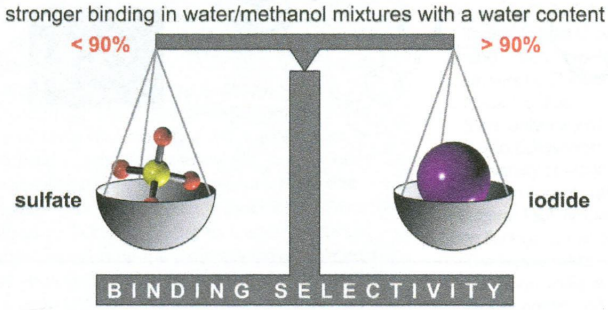


Directed arene/alkyne annulation reactions *via* aerobic copper catalysis

Yi Zhang, Qian Wang, Huidong Yu* and Yong Huang*

We describe a straightforward protocol for a smooth dehydrogenative annulation reaction between various arenes and terminal alkynes using a catalytic amount of $CuBr_2$ and molecular oxygen.

8851



Anion binding of a neutral bis(cyclopeptide) in water–methanol mixtures containing up to 95% water

Fabian Sommer and Stefan Kubik*

Selectivity of a synthetic anion receptor reverses from strongly coordinating sulfate to weakly coordinating iodide anions upon increasing the water content of the solution.

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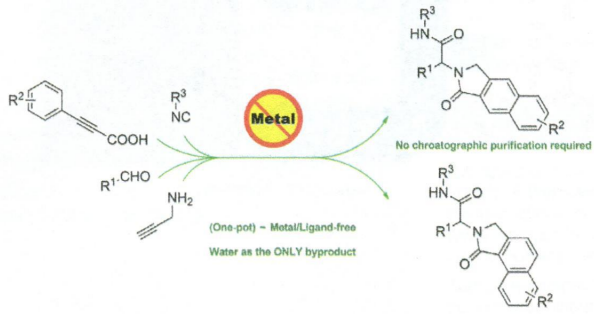
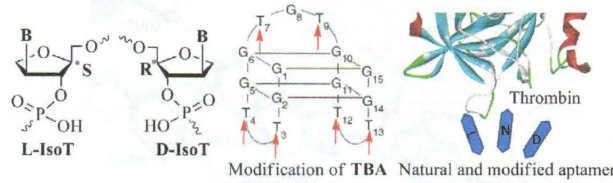
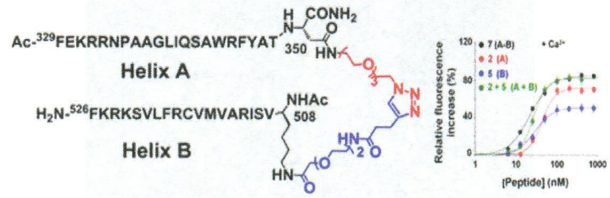


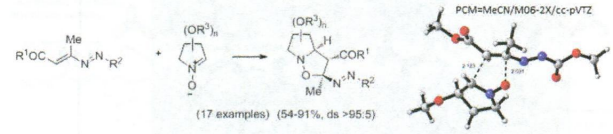
Solvent switchable cycloaddition: a (one-pot) metal-free approach towards *N*-substituted benzo[*e*]- *or* [*f*]isoindolones *via* C_{sp^2}–H functionalization

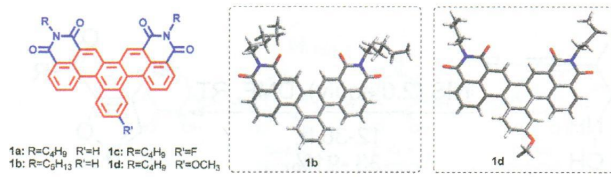
Pratik A. Ambasana, Dipak D. Vachhani,* Marzia Galli, Jeroen Jacobs, Luc Van Meervelt, Anamik K. Shah and Erik V. Van der Eycken*

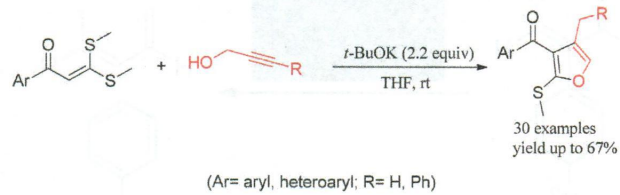
Solvent steers the selectivity: Green and practical C_{sp^2}–H functionalization towards *N*-substituted benzo[*e*]- or [*f*]isoindolones.

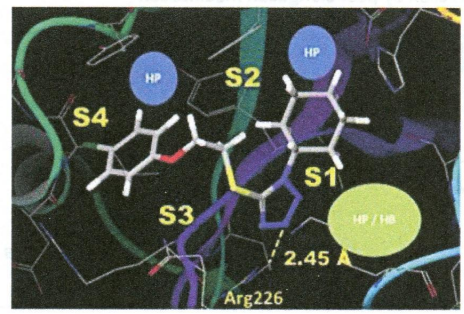


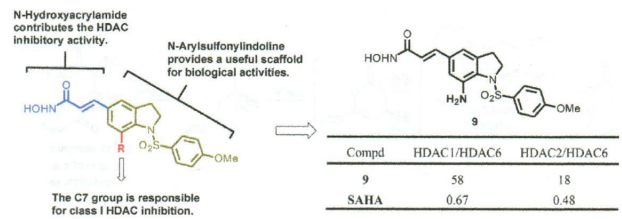


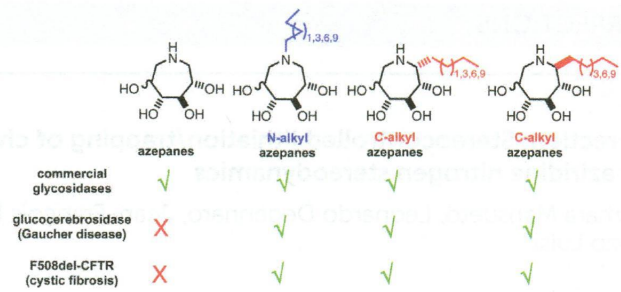












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CORRECTIONS

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Correction: Non-isoprenoid polyene natural products – structures and synthetic strategies

Katrina S. Madden, Fathia A. Mosa and Andrew Whiting*