

COMMUNICATIONS

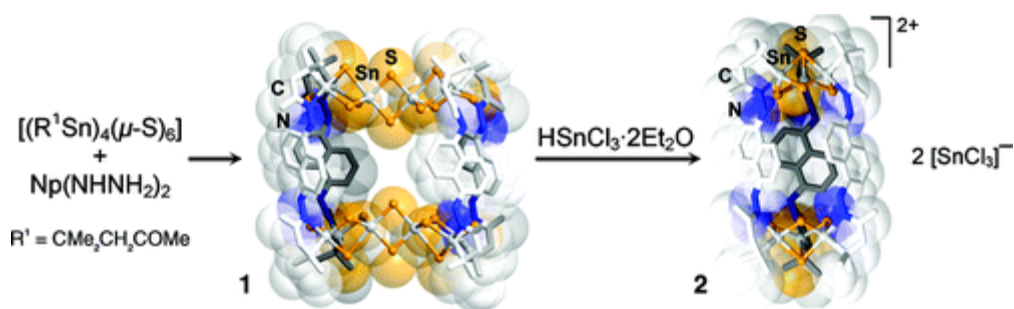
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Publication Date (Web): February 10, 2010 (Communication)

DOI: 10.1021/ja908917w



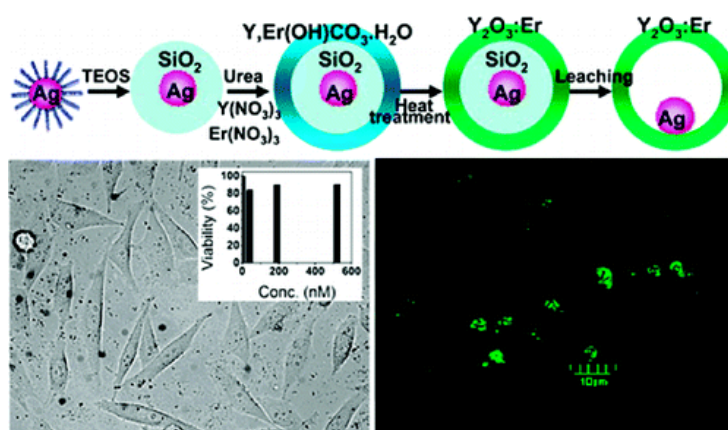
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Publication Date (Web): February 16, 2010 (Communication)

DOI: 10.1021/ja909108x



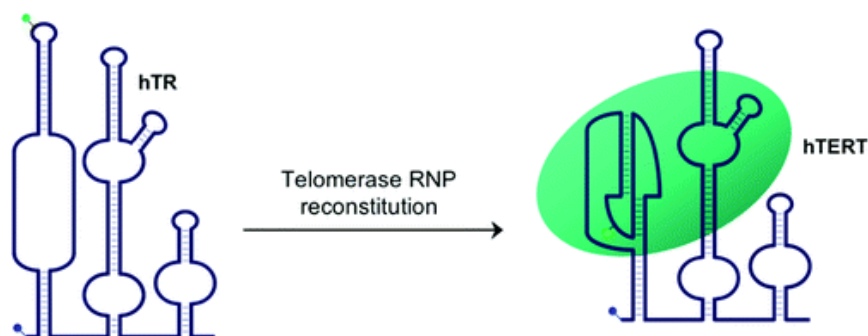
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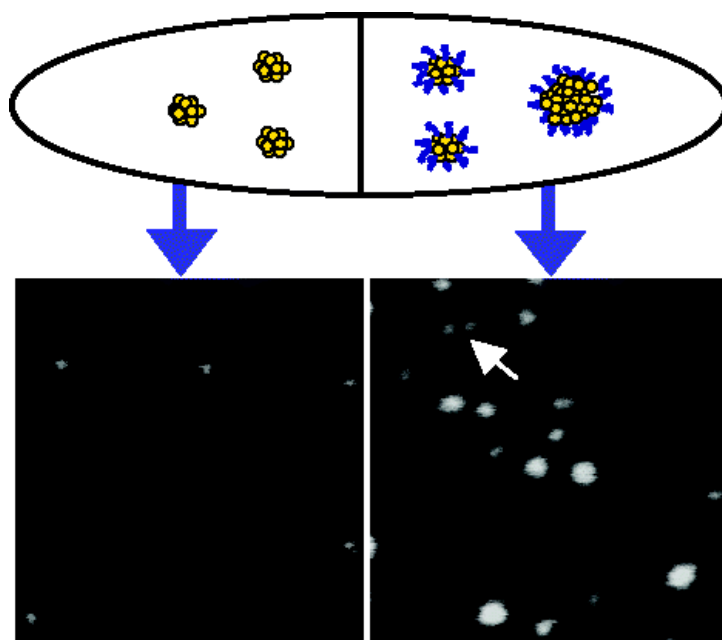
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Publication Date (Web): February 12, 2010 (Communication)

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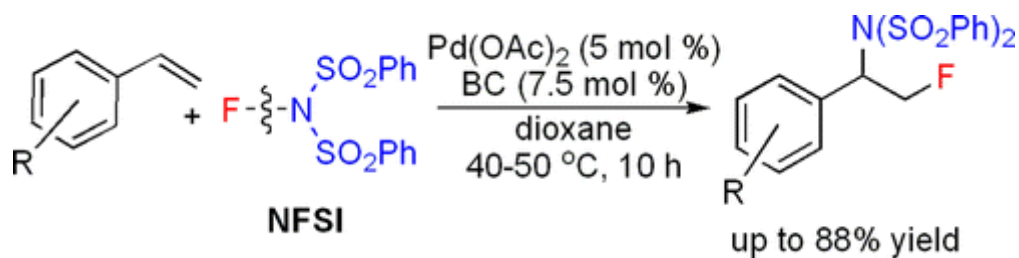
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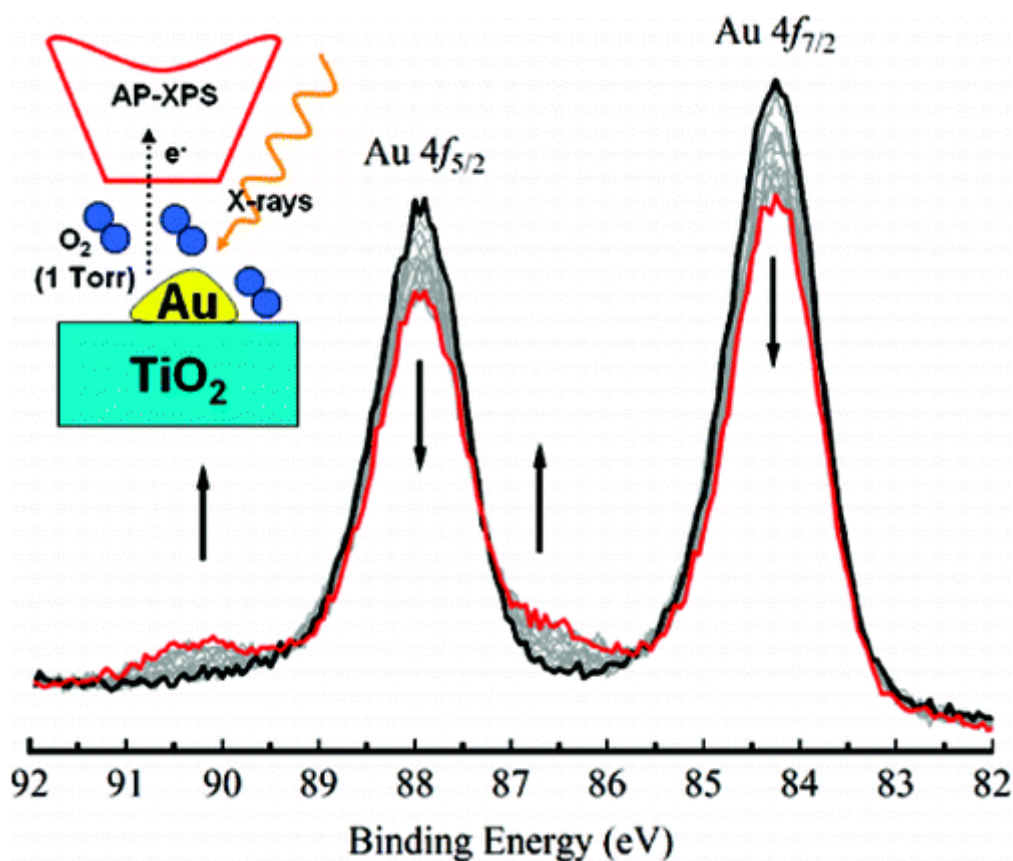
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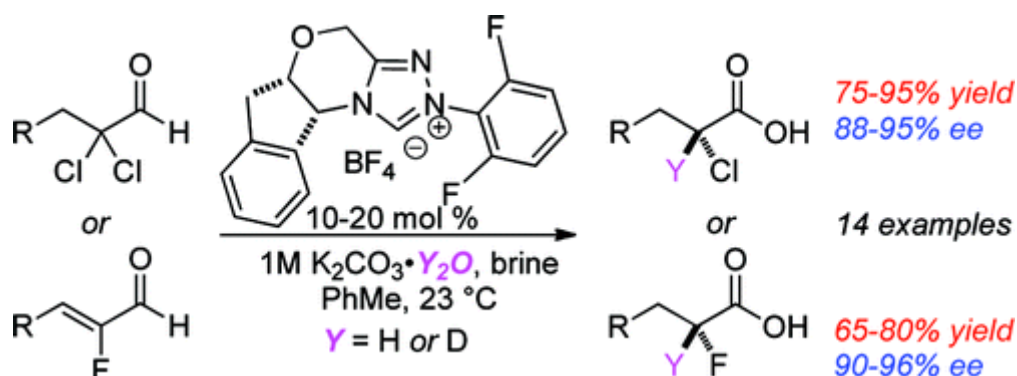
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DOI: 10.1021/ja910281s



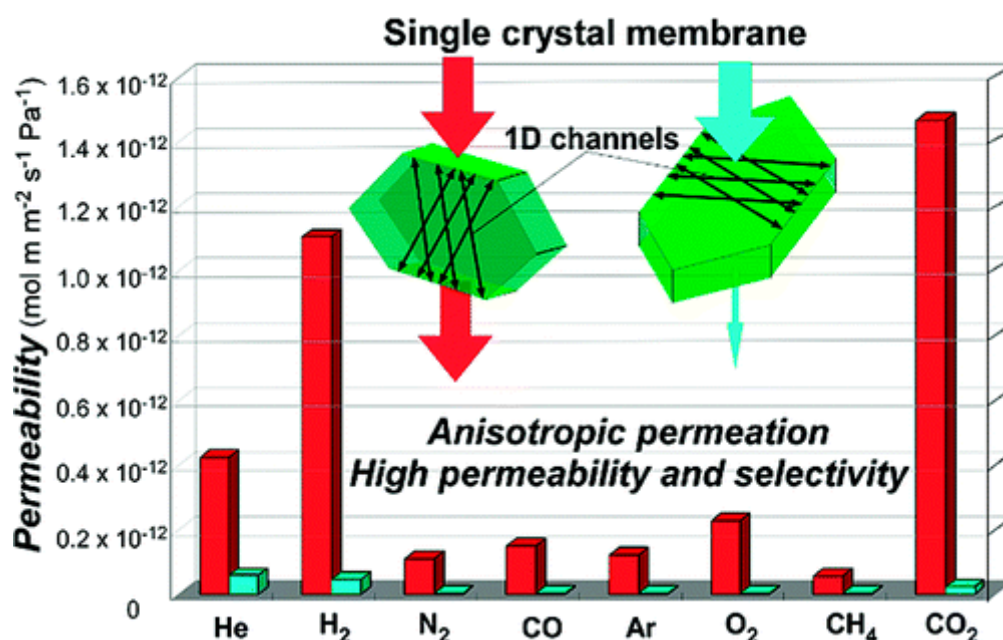
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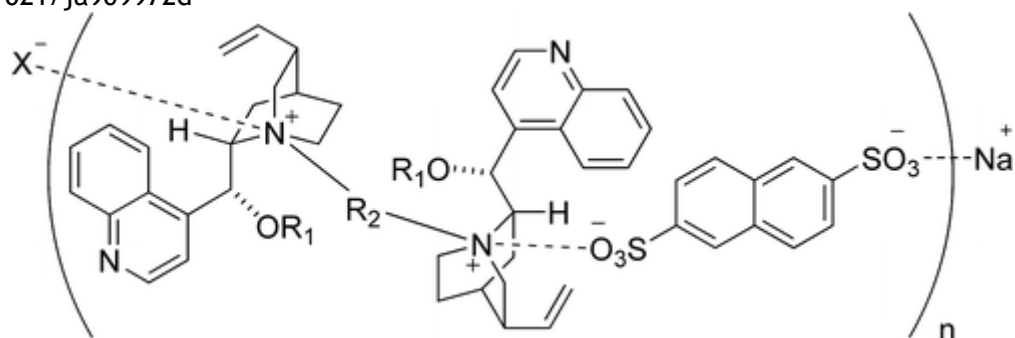
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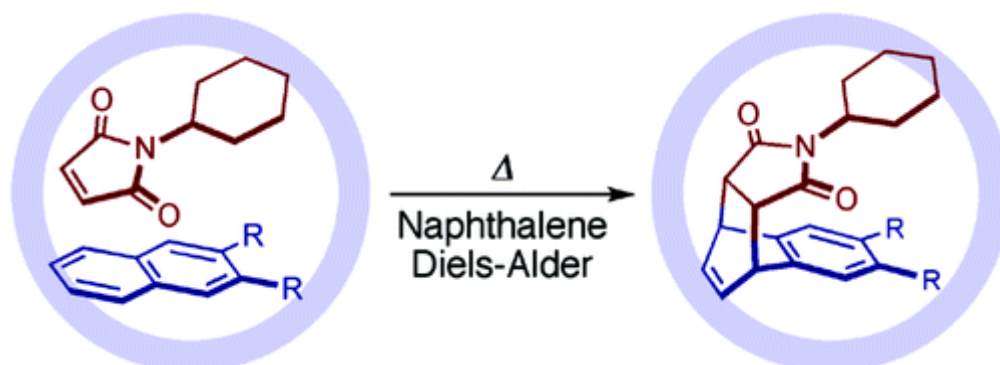
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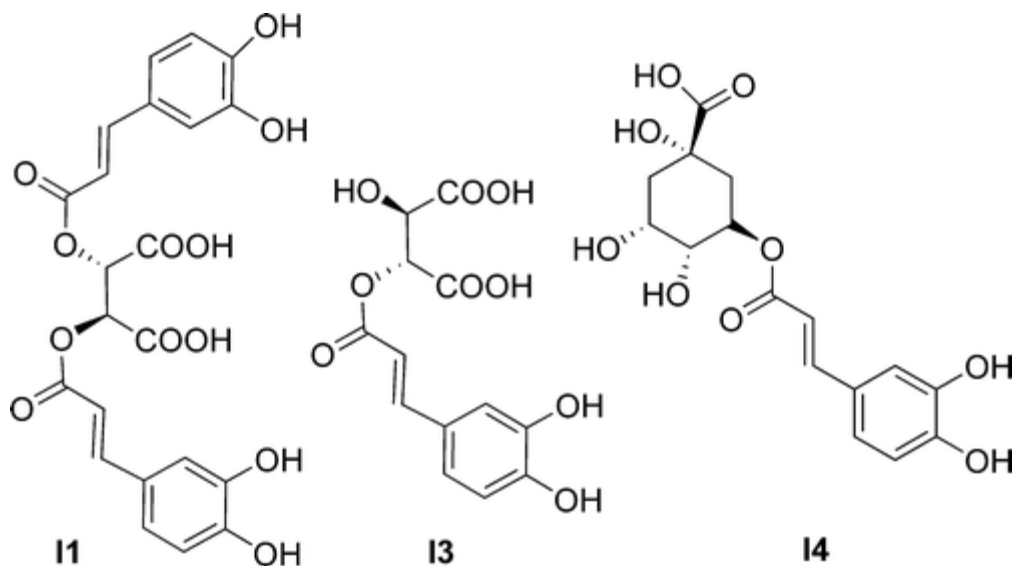
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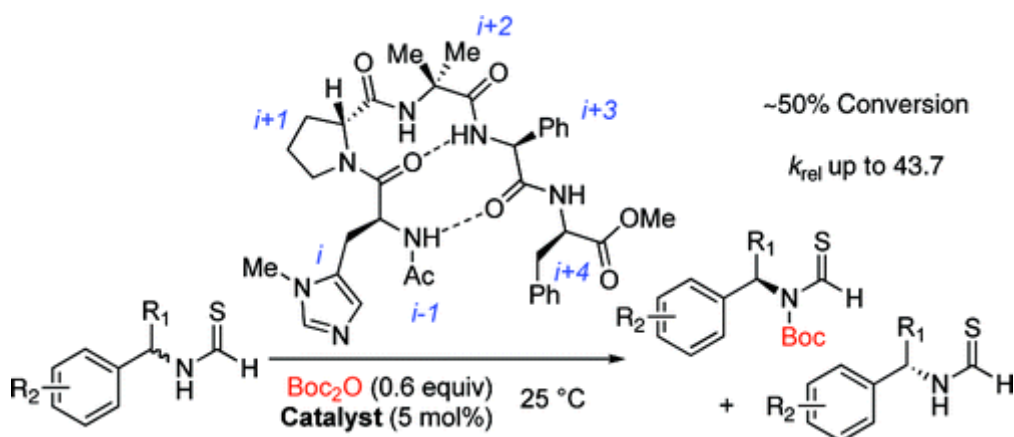
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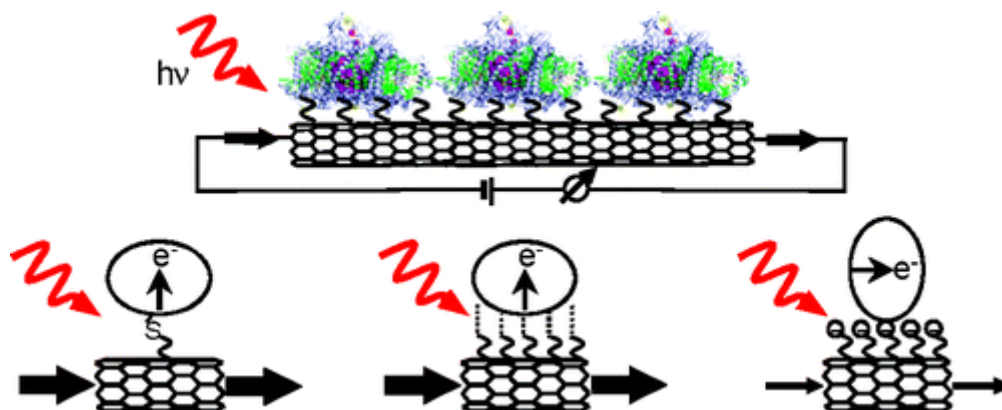
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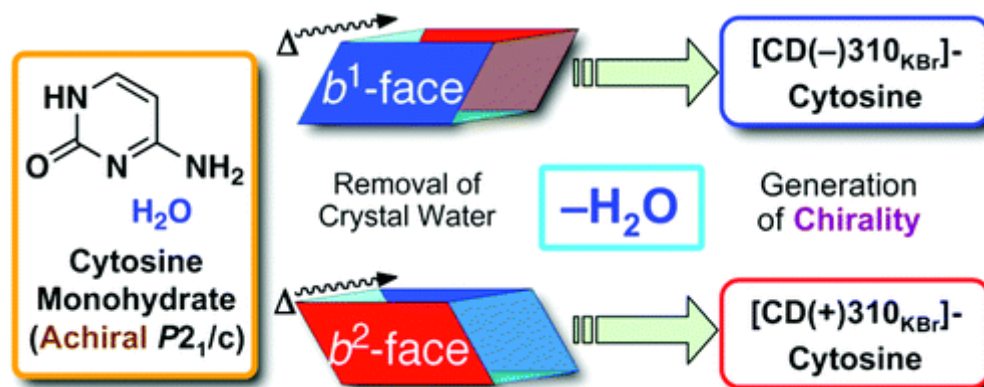
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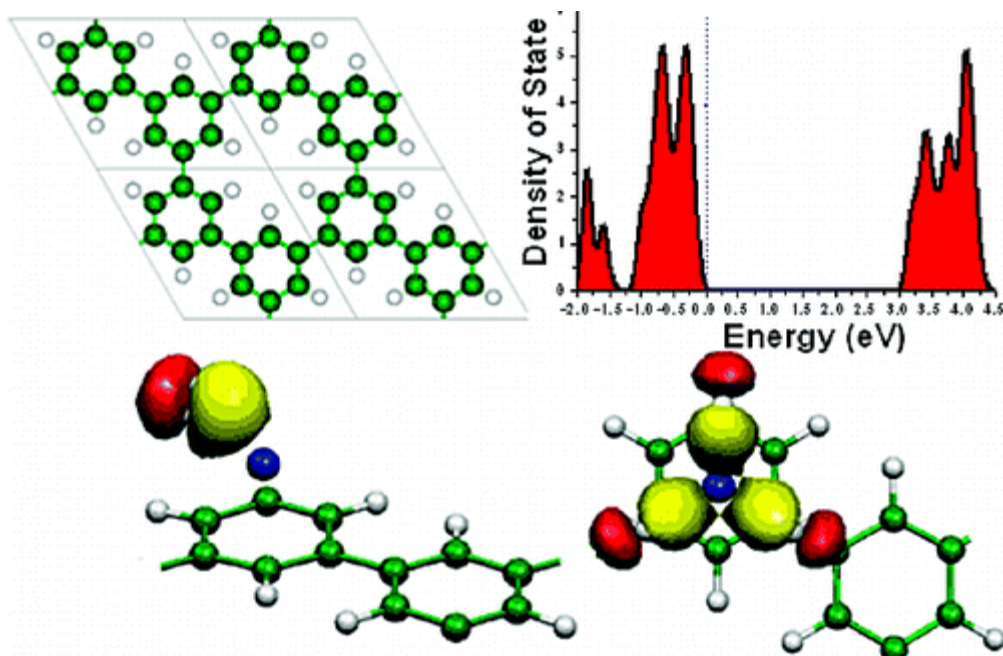
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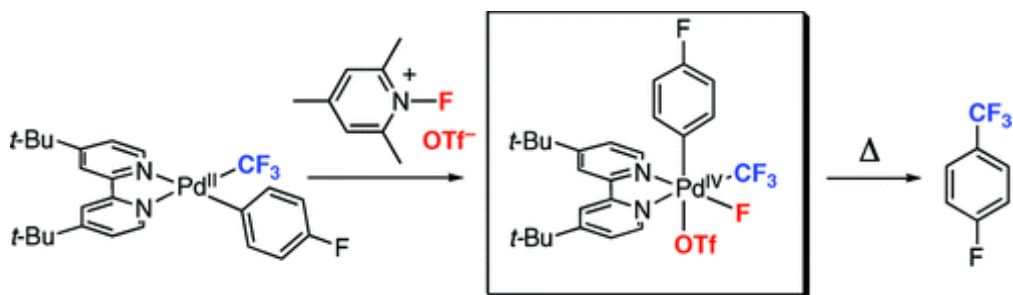
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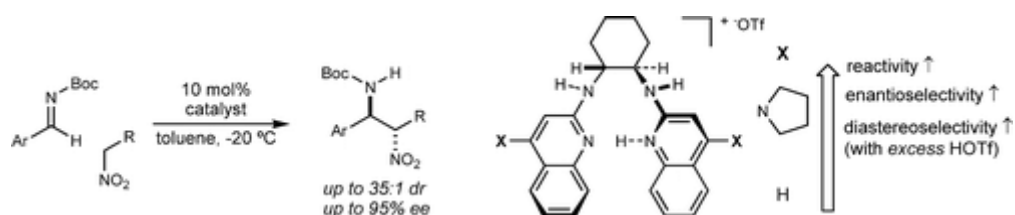
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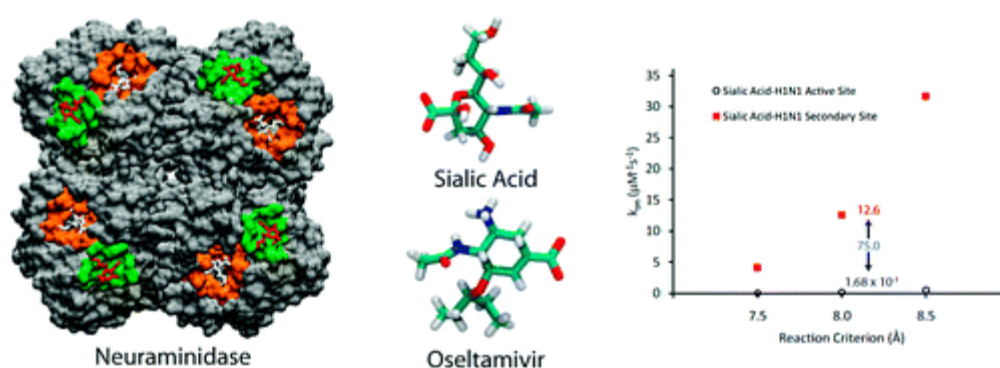
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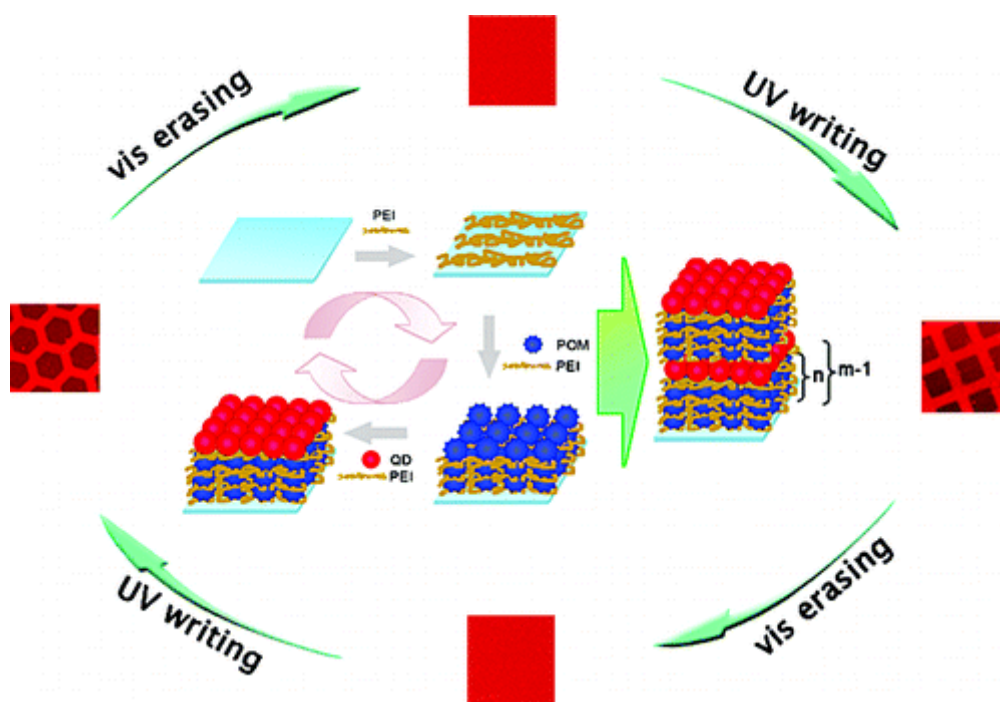
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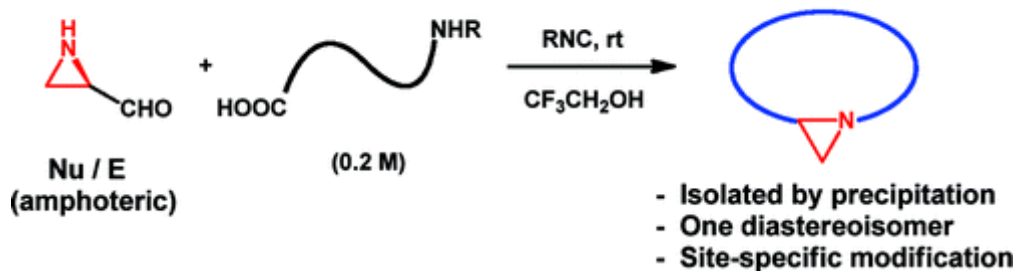
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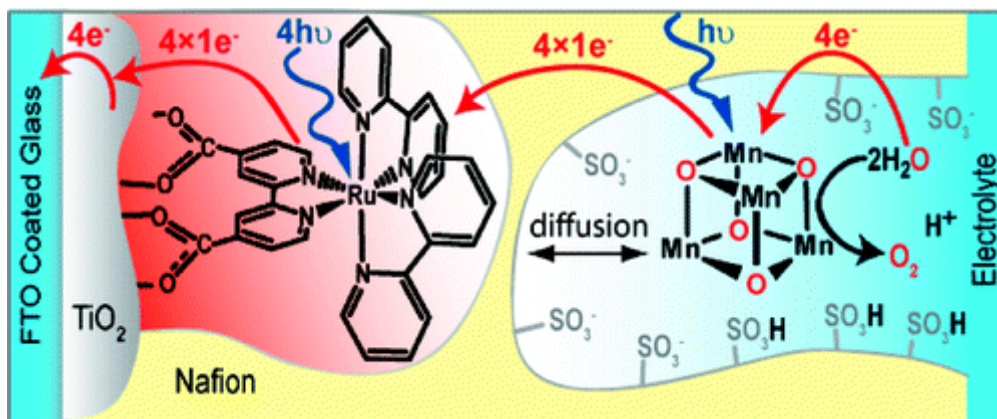
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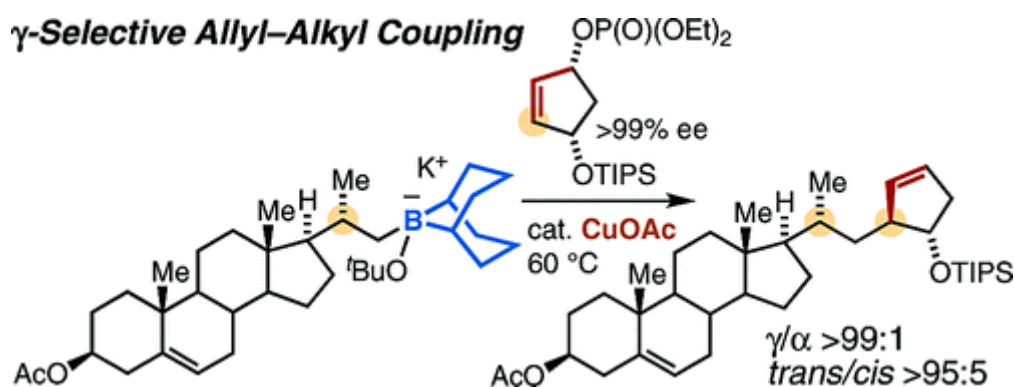
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**Publication Date (Web):** February 16, 2010 (Communication)

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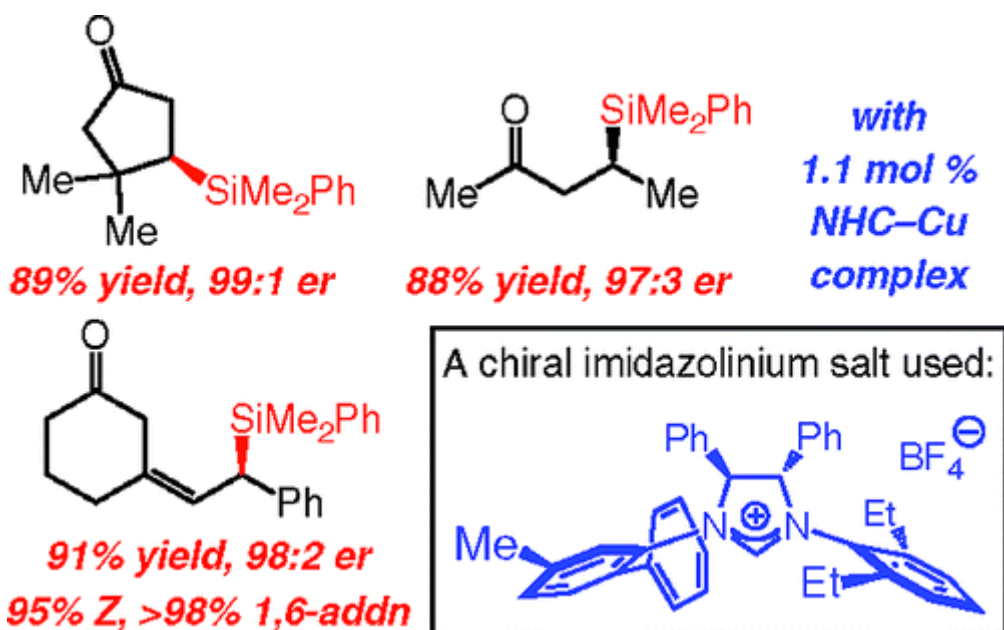
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**Publication Date (Web):** February 11, 2010 (Communication)

DOI: 10.1021/ja910989n



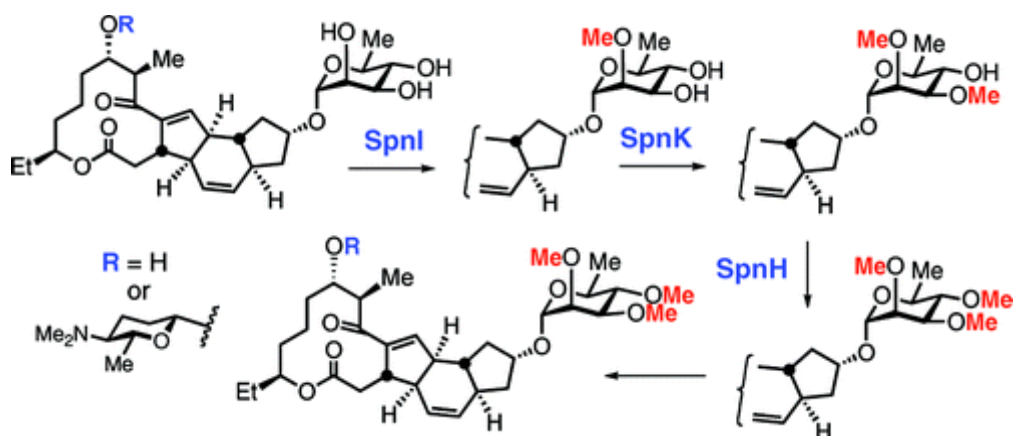
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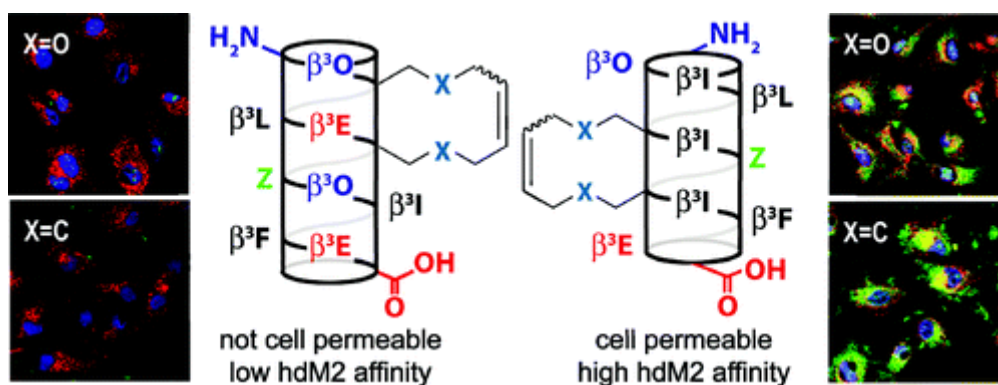
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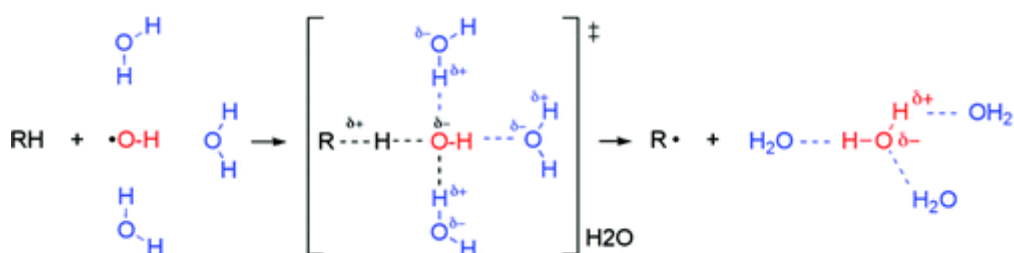
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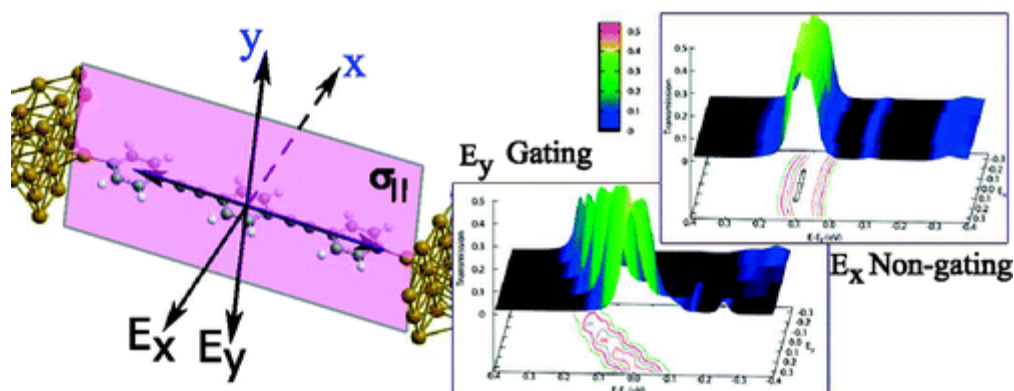
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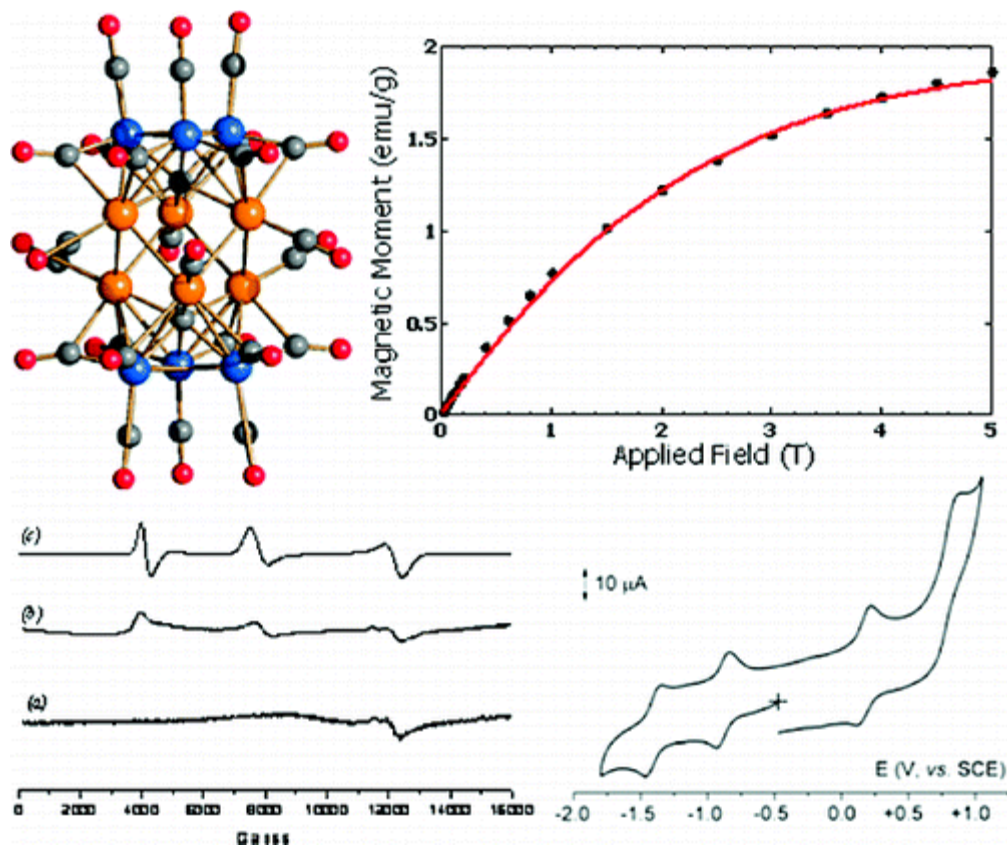
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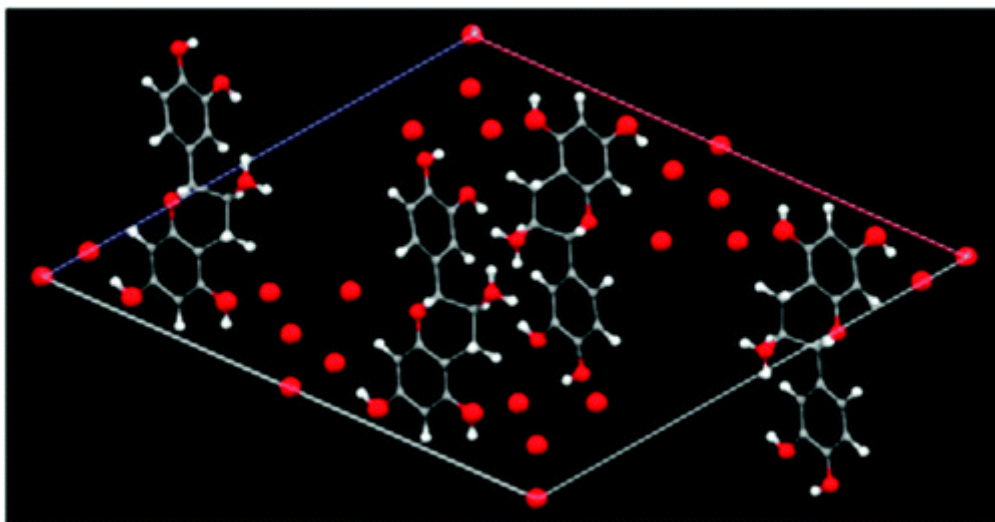
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Publication Date (Web): February 9, 2010 (Article)

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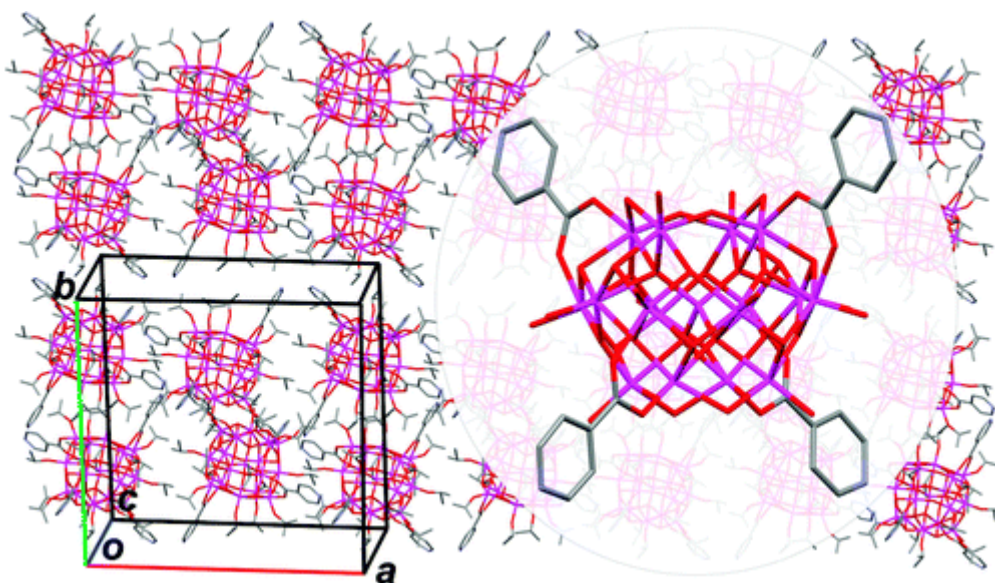
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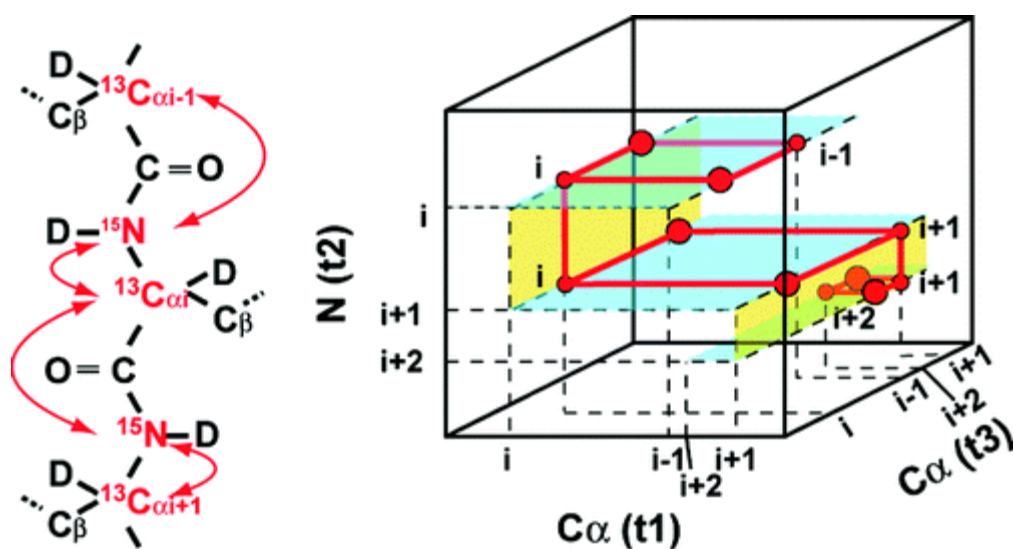
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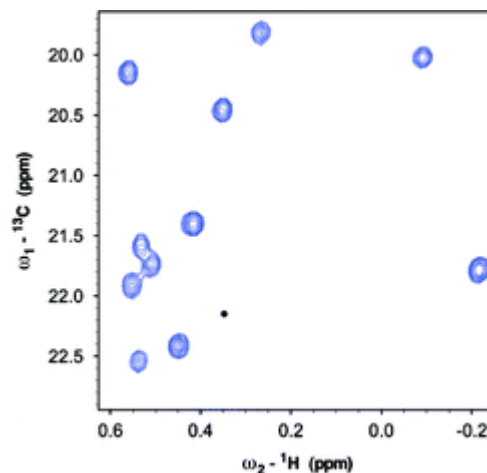
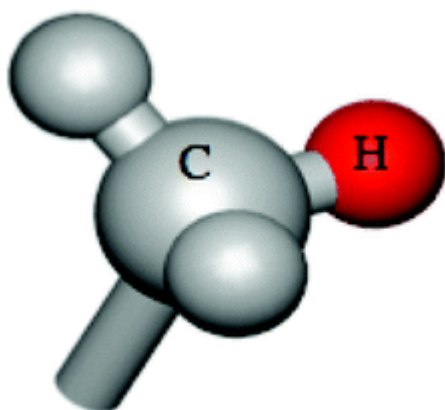
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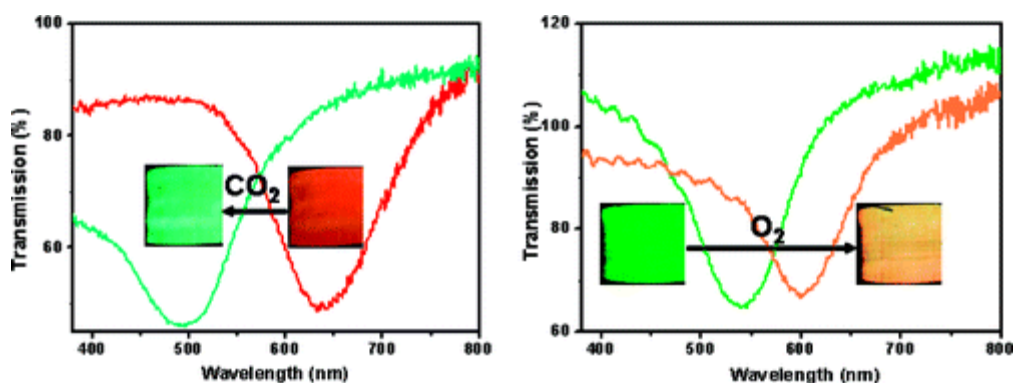
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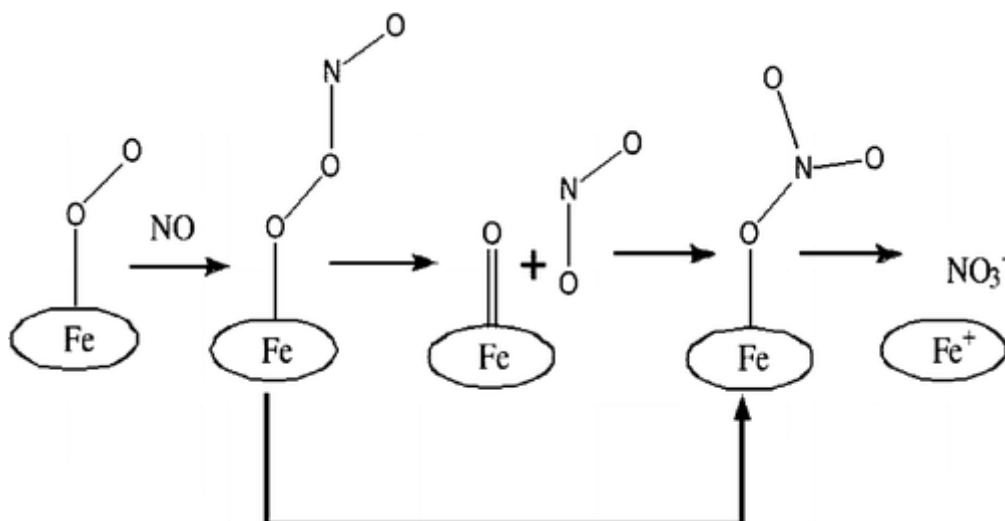
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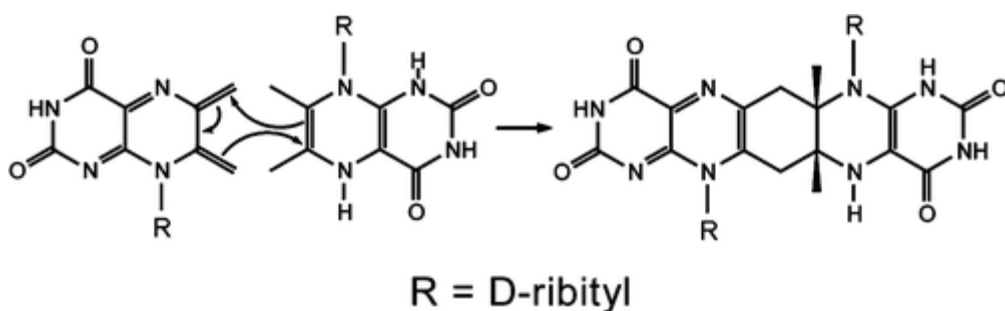
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Publication Date (Web): February 9, 2010 (Article)

DOI: 10.1021/ja908395r



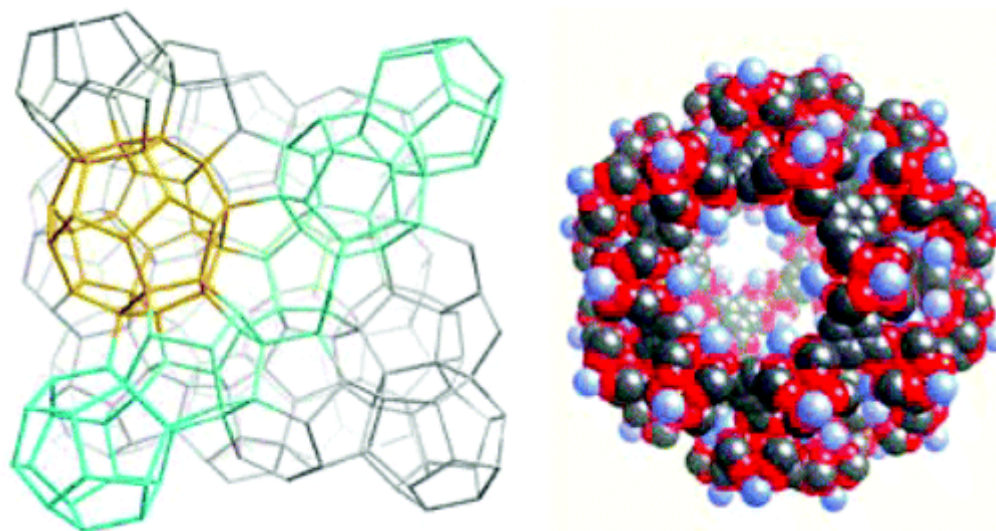
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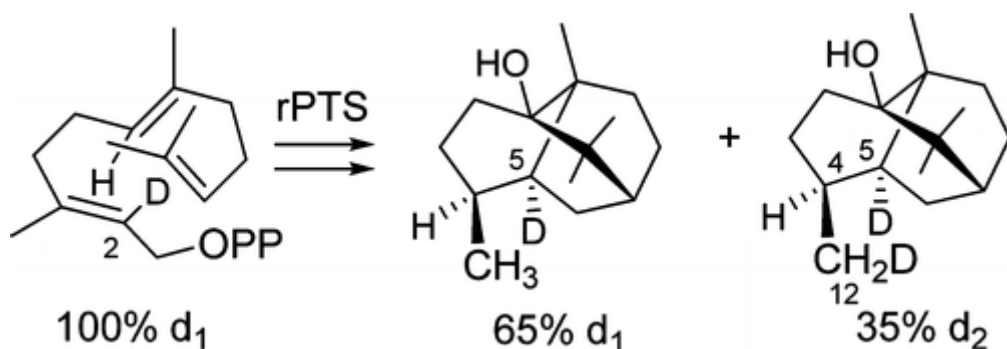
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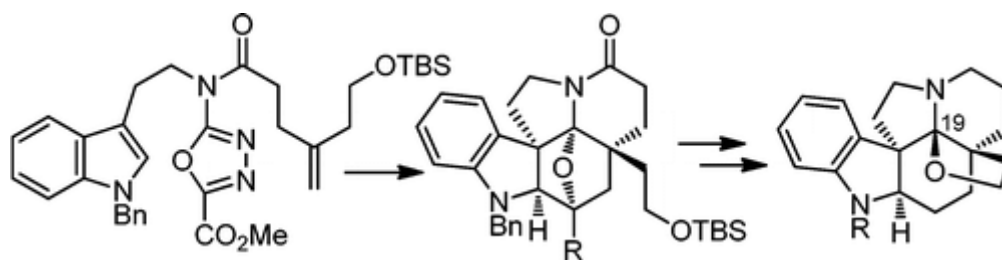
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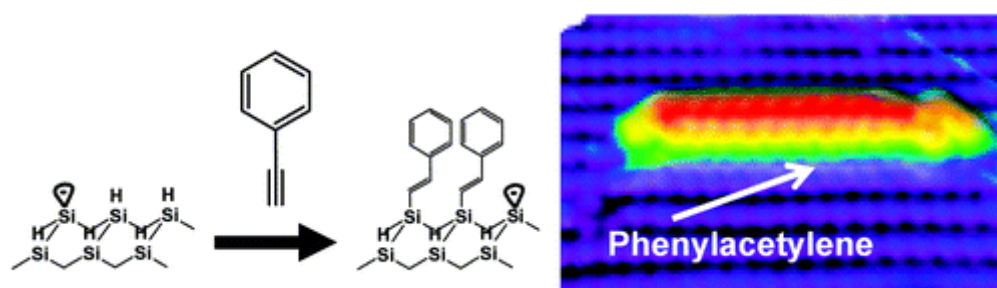
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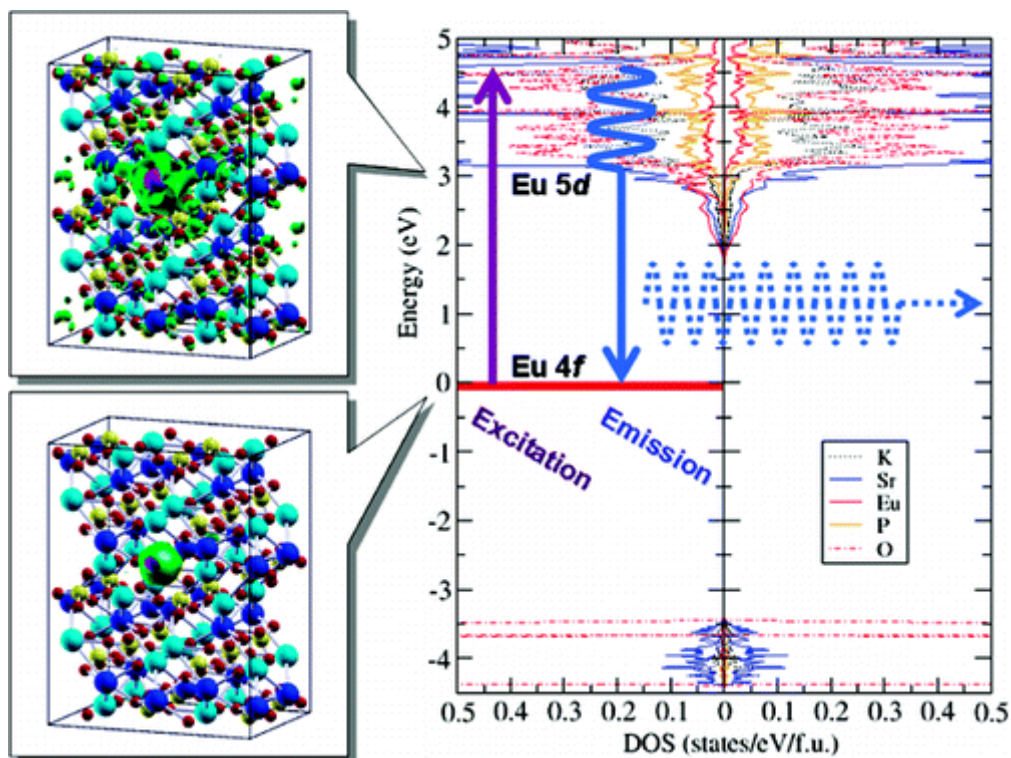
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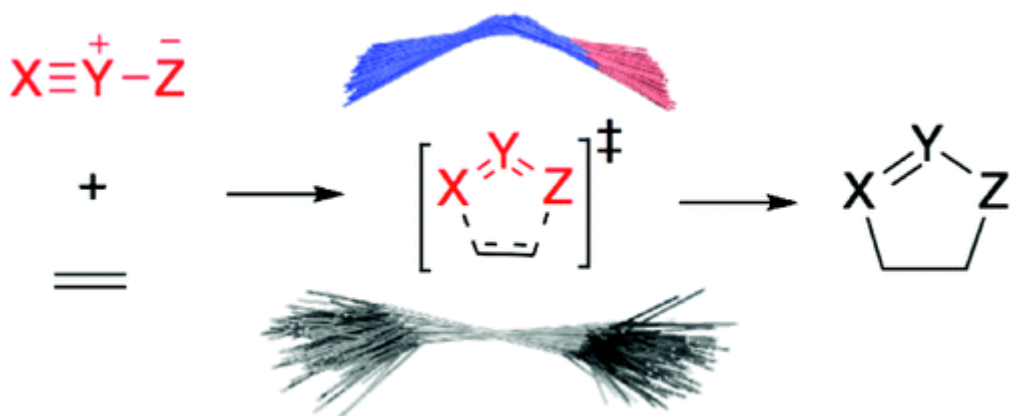
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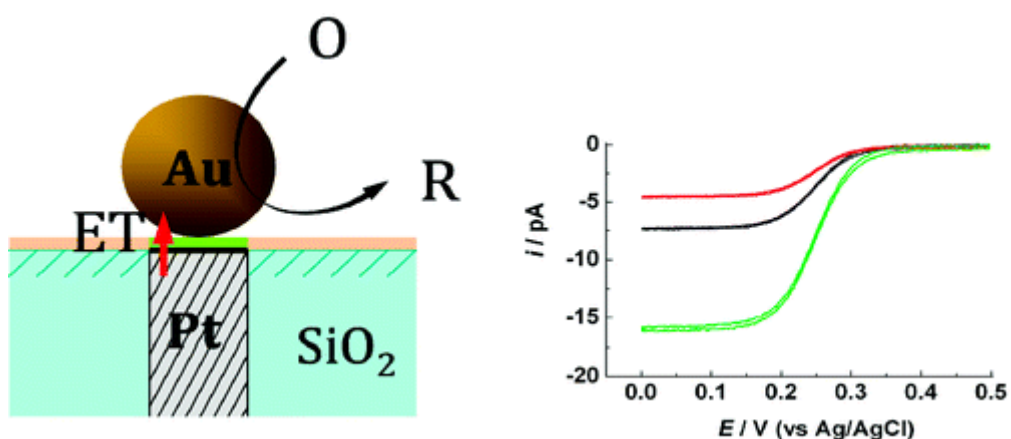
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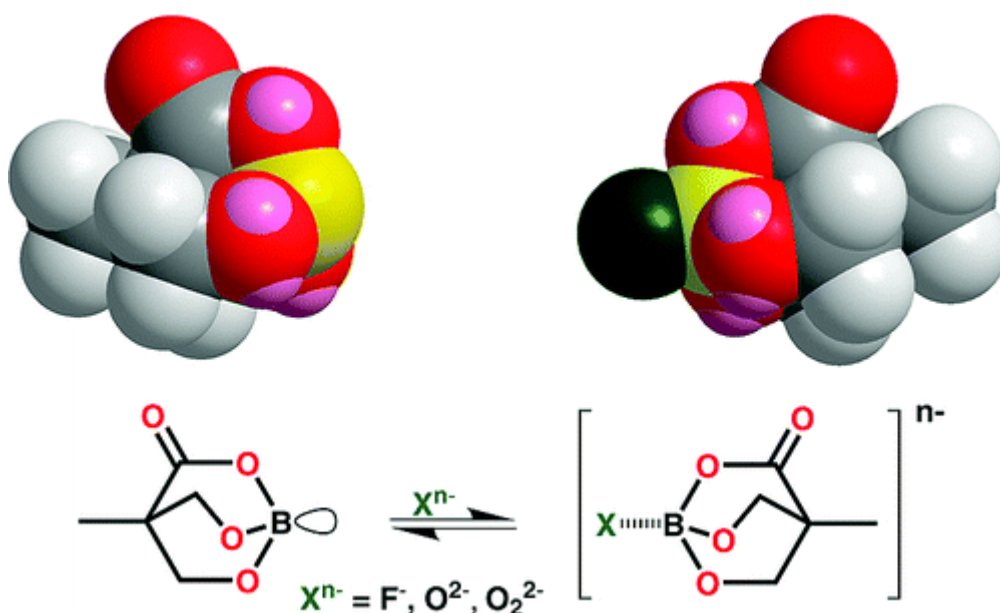
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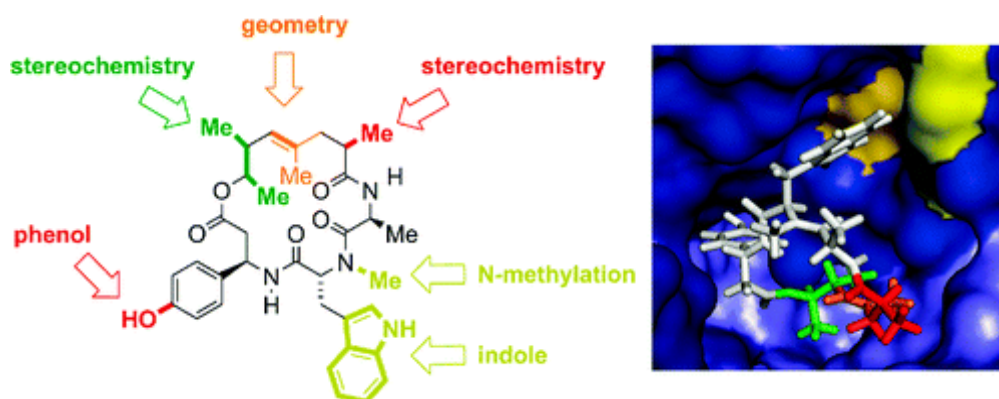
## Synthesis and Structure–Activity Correlation of Natural-Product Inspired Cyclodepsipeptides Stabilizing F-Actin

Ren<sup>¶</sup> Tannert, Lech-Gustav Milroy, Bernhard Ellinger, Tai-Shan Hu, Hans-Dieter Arndt and Herbert Waldmann

pp 3063–3077

Publication Date (Web): February 11, 2010 (Article)

DOI: 10.1021/ja9095126



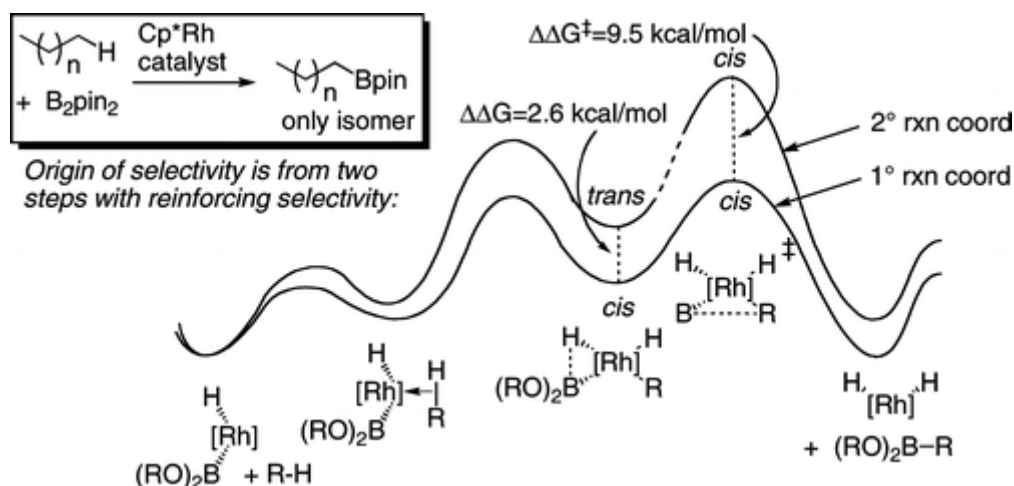
## Origins of the Selectivity for Borylation of Primary over Secondary C–H Bonds Catalyzed by Cp\*-Rhodium Complexes

Carolyn S. Wei, Carlos A. Jim<sup>¶</sup>enez-Hoyos, Marcelo F. Videia, John F. Hartwig and Michael B. Hall

pp 3078–3091

Publication Date (Web): February 1, 2010 (Article)

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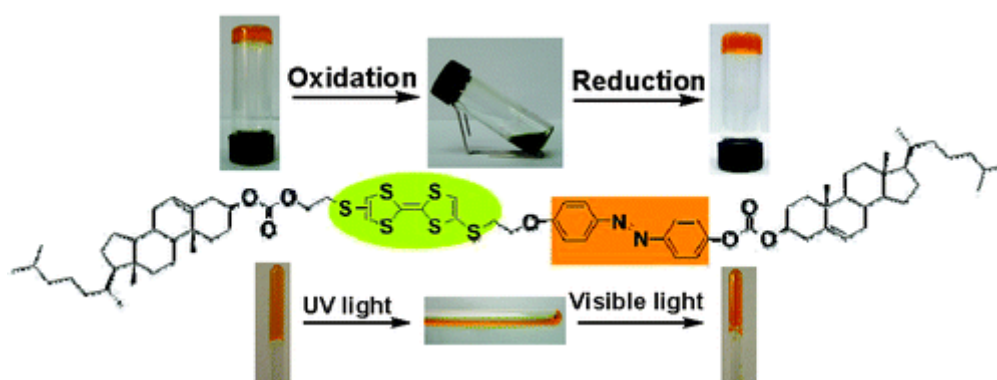
## Multistimuli Responsive Organogels Based on a New Gelator Featuring Tetrathiafulvalene and Azobenzene Groups: Reversible Tuning of the Gel–Sol Transition by Redox Reactions and Light Irradiation

Cheng Wang, Qun Chen, Fei Sun, Deqing Zhang, Guanxin Zhang, Yanyan Huang, Rui Zhao and Daoben Zhu

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Publication Date (Web): February 16, 2010 (Article)

DOI: 10.1021/ja910721s



## Quantum Mechanical/Molecular Mechanical Modeling Finds Diels–Alder Reactions Are Accelerated Less on the Surface of Water Than in Water

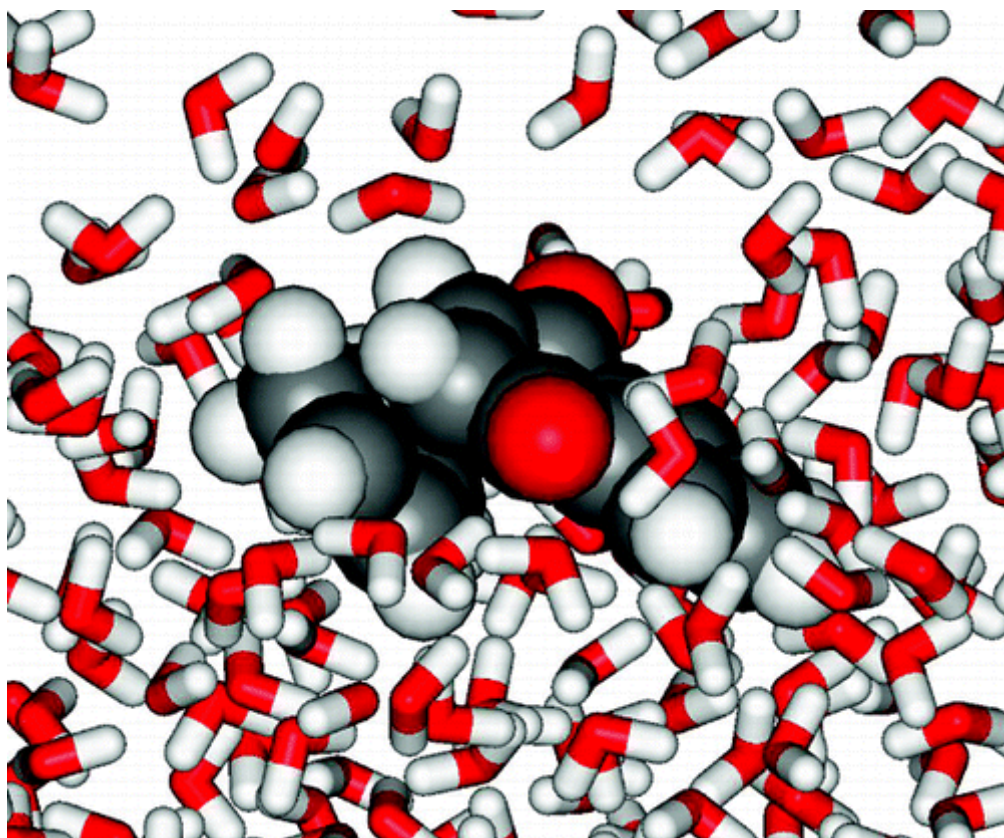
Laura L. Thomas, Julian Tirado-Rives and William L. Jorgensen

pp 3097-3104

Publication Date (Web): February 11, 2010 (Article)

DOI: 10.1021/ja909740y





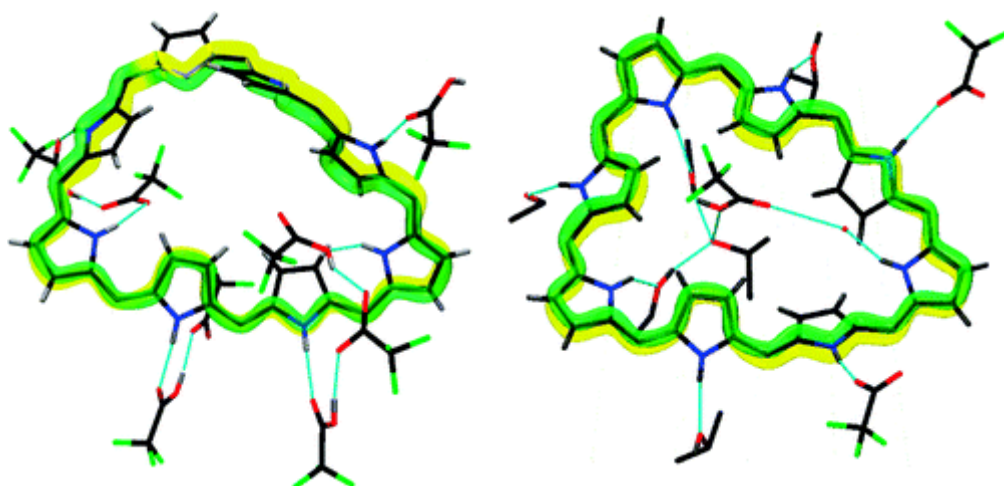
### Protonated $[4n]\pi$ and $[4n+2]\pi$ Octaphyrins Choose Their Möbius/Hückel Aromatic Topology

Jong Min Lim, Jae-Yoon Shin, Yasuo Tanaka, Shohei Saito, Atsuhiro Osuka and Dongho Kim

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Publication Date (Web): February 11, 2010 (Article)

DOI: 10.1021/ja909744z



### Electronic Communication in Dinuclear $C_4$ -Bridged Tungsten Complexes

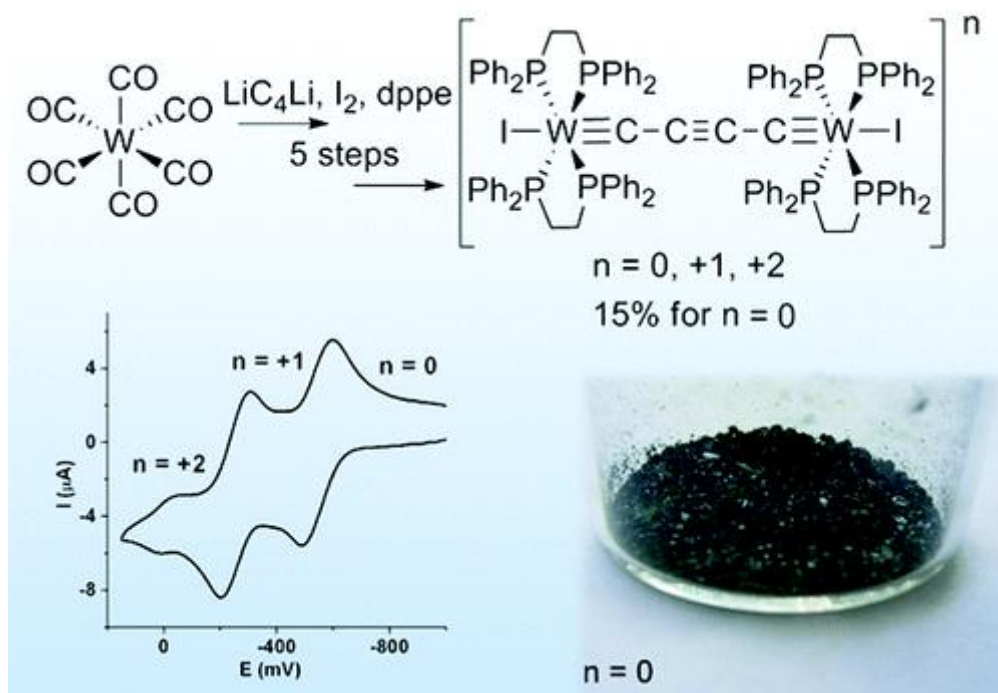
Sergey N. Semenov, Olivier Blacque, Thomas Fox, Koushik Venkatesan and Heinz Berke

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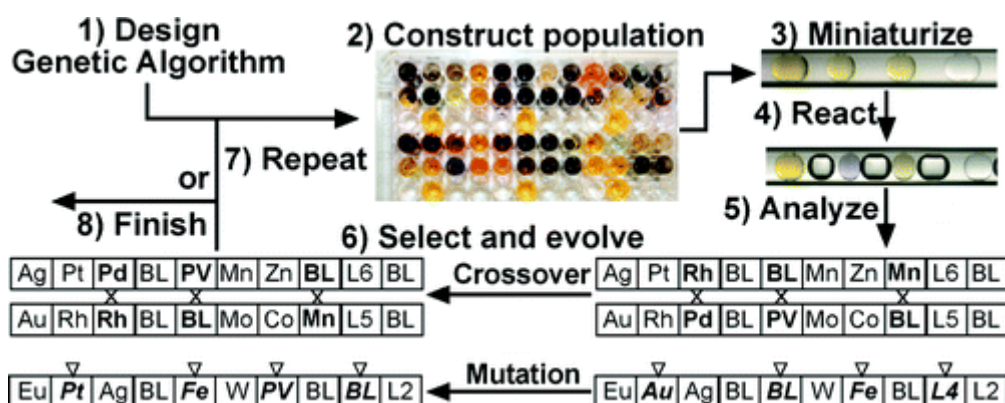
## Evolution of Catalysts Directed by Genetic Algorithms in a Plug-Based Microfluidic Device Tested with Oxidation of Methane by Oxygen

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Publication Date (Web): February 11, 2010 (Article)

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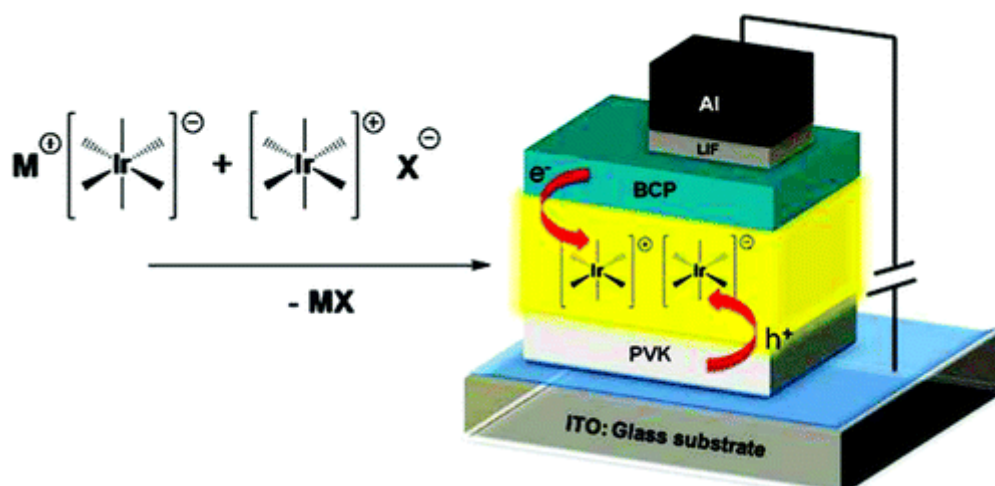
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Chao Wu, Hsiao-Fan Chen, Ken-Tsung Wong and Mark E. Thompson

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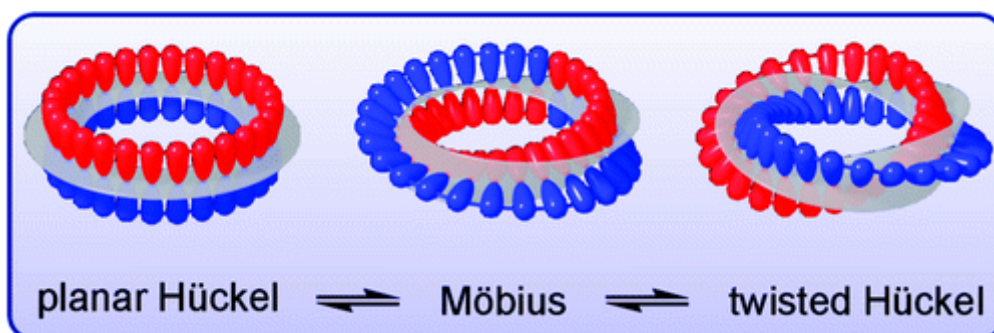
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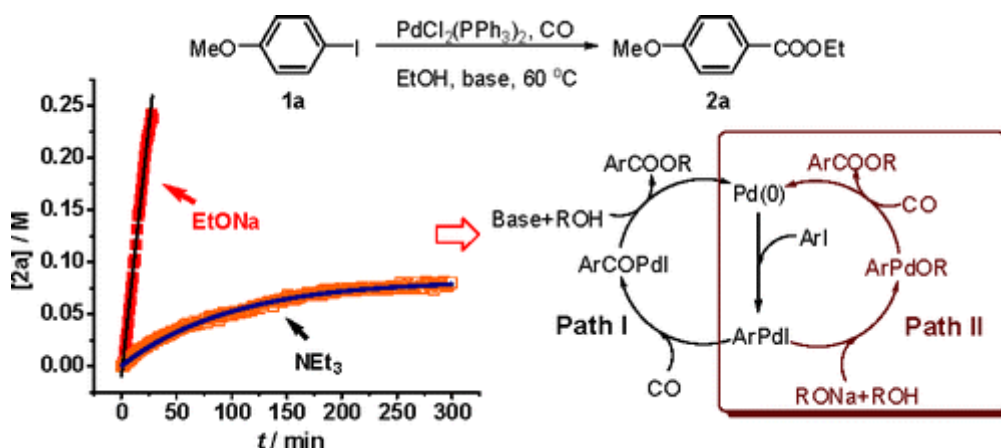
### Base-Induced Mechanistic Variation in Palladium-Catalyzed Carbonylation of Aryl Iodides

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Publication Date (Web): February 9, 2010 (Article)

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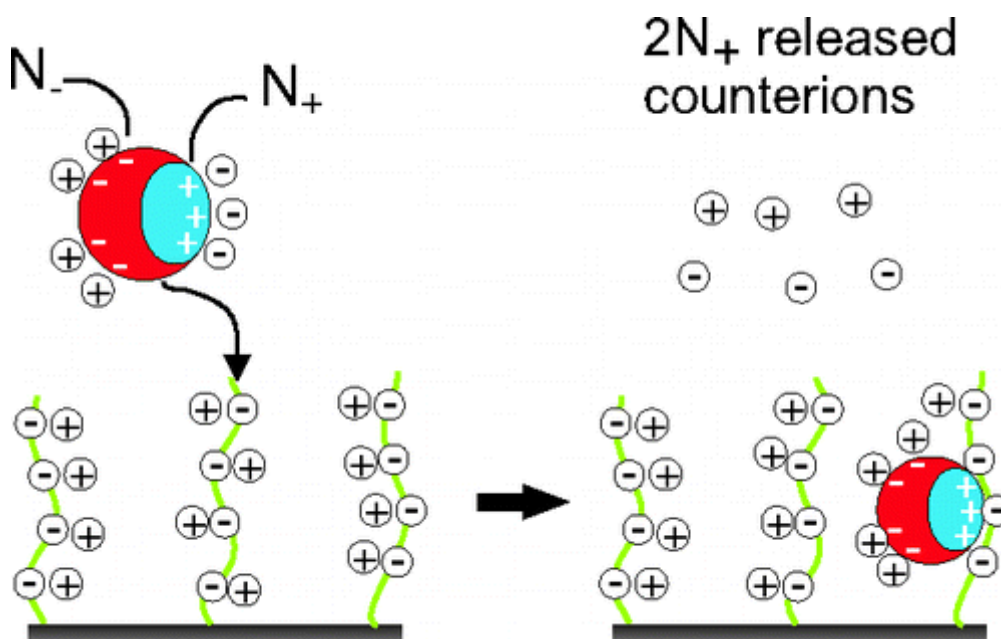
## Adsorption of $\beta$ -Lactoglobulin on Spherical Polyelectrolyte Brushes: Direct Proof of Counterion Release by Isothermal Titration Calorimetry

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Publication Date (Web): February 9, 2010 (Article)

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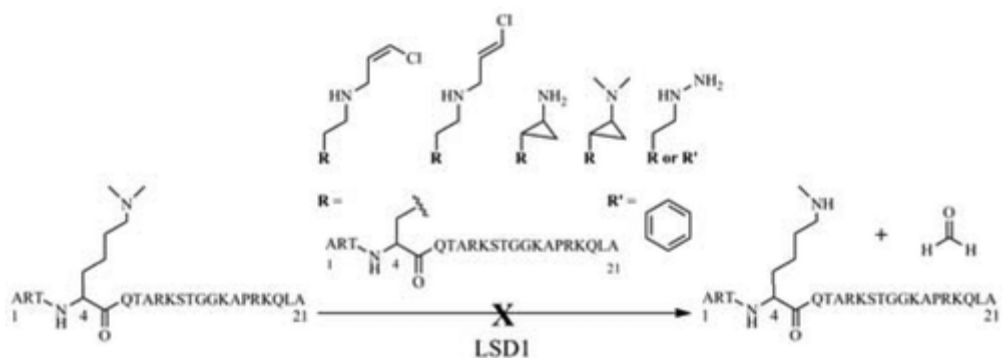
## Comparative Analysis of Small Molecules and Histone Substrate Analogues as LSD1 Lysine Demethylase Inhibitors

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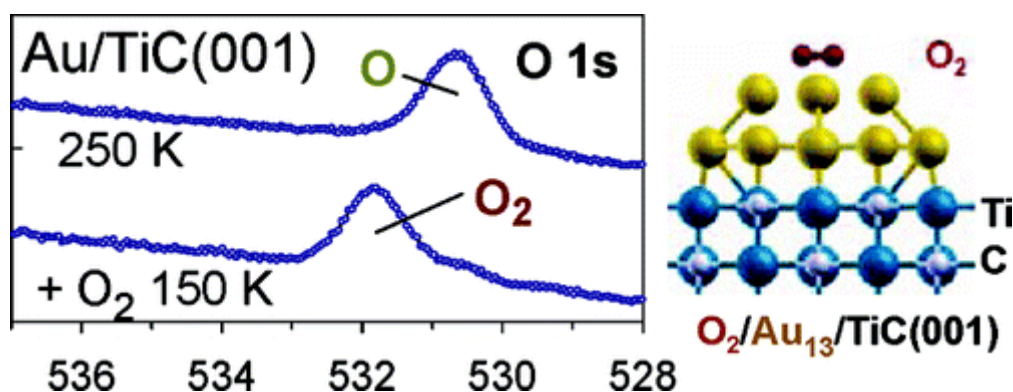
## Role of Au–C Interactions on the Catalytic Activity of Au Nanoparticles Supported on TiC(001) toward Molecular Oxygen Dissociation

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Publication Date (Web): February 9, 2010 (Article)

DOI: 10.1021/ja910146g



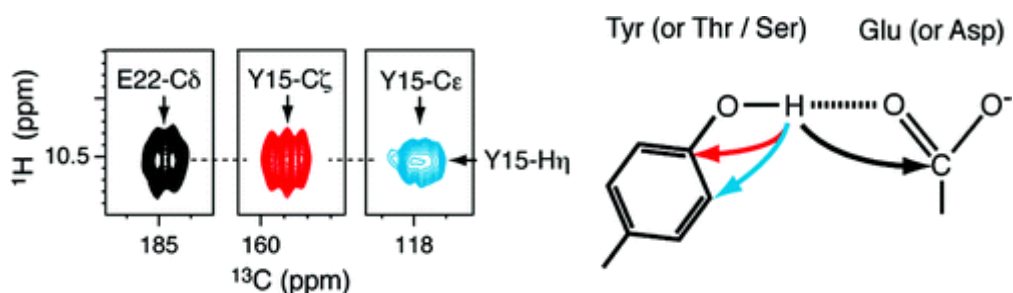
## Identification of Hydroxyl Protons, Determination of Their Exchange Dynamics, and Characterization of Hydrogen Bonding in a Microcrystallin Protein

Vipin Agarwal, Rasmus Linser, Uwe Fink, Katja Faelber and Bernd Reif

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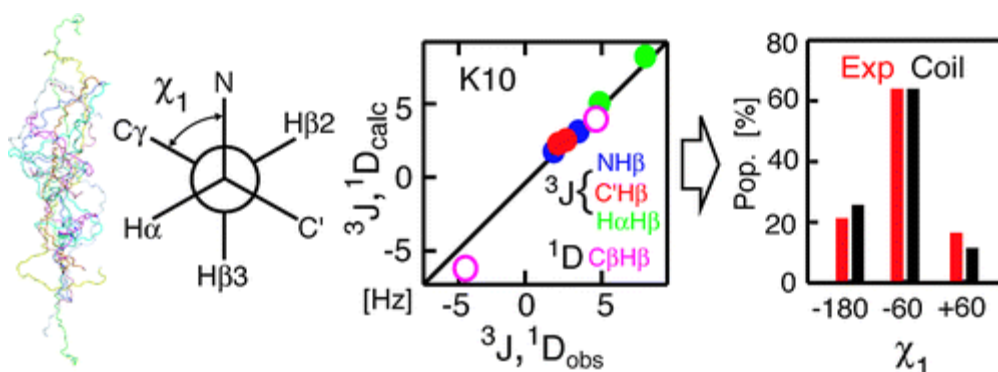
Publication Date (Web): February 16, 2010 (Article)

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## Side-Chain $\chi_1$ Conformations in Urea-Denatured Ubiquitin and Protein G from $^3J$ Coupling Constants and Residual Dipolar Couplings

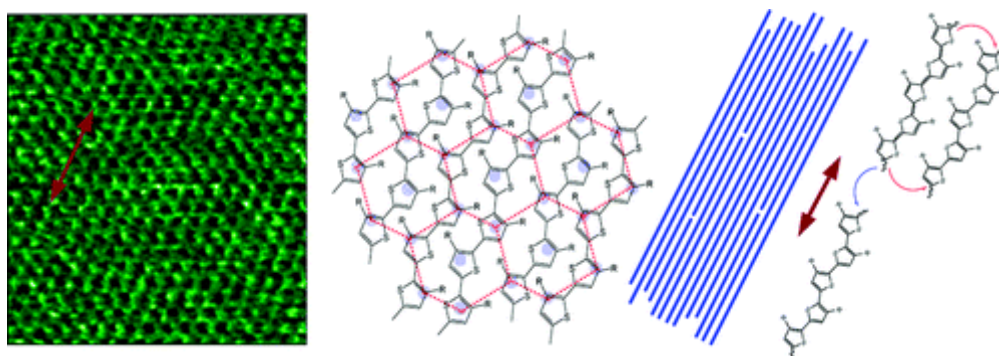
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## Large Scale Crystallinity in Kinetically Stable Polythiophene-Based Langmuir–Blodgett Films

Jusroop S. Mattu and Gary W. Leach

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 DOI: 10.1021/ja910390g

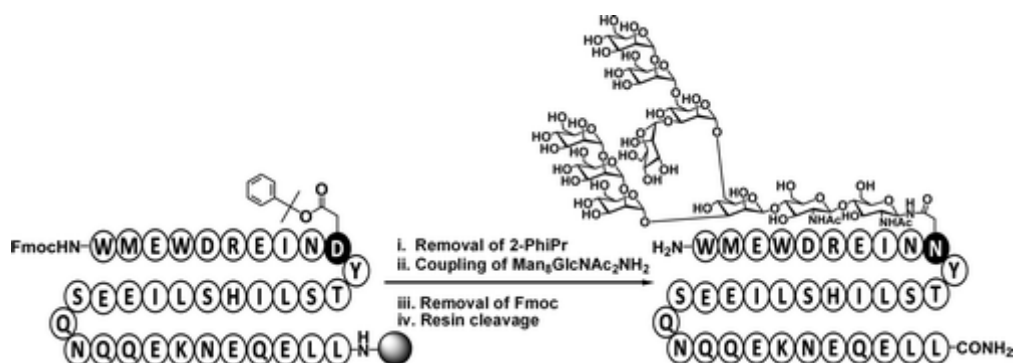


## Study of On-Resin Convergent Synthesis of N-Linked Glycopeptides Containing a Large High Mannose N-Linked Oligosaccharide

Rui Chen and Thomas J. Tolbert

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 DOI: 10.1021/ja9104073





## Self-Assembling Multidomain Peptide Hydrogels: Designed Susceptibility to Enzymatic Cleavage Allows Enhanced Cell Migration and Spreading

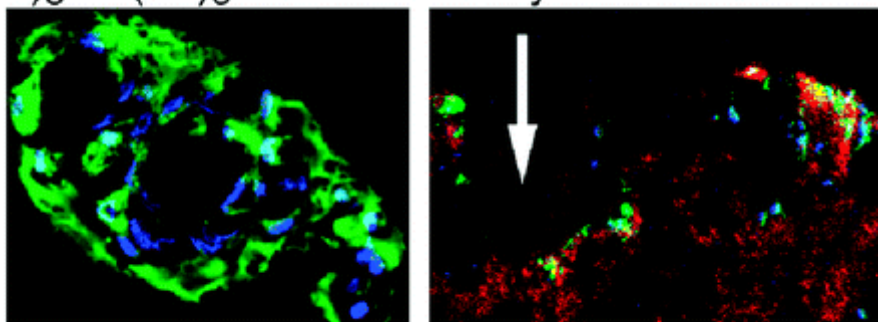
Kerstin M. Galler, Lorenzo Aulisa, Katherine R. Regan, Rena N. D'Souza and Jeffrey D. Hartgerink

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Publication Date (Web): February 16, 2010 (Article)

DOI: 10.1021/ja910481t

K(SL)<sub>3</sub>RG(SL)<sub>3</sub>K-GRGDS: enzyme cleavable matrix



increased cell spreading and migration

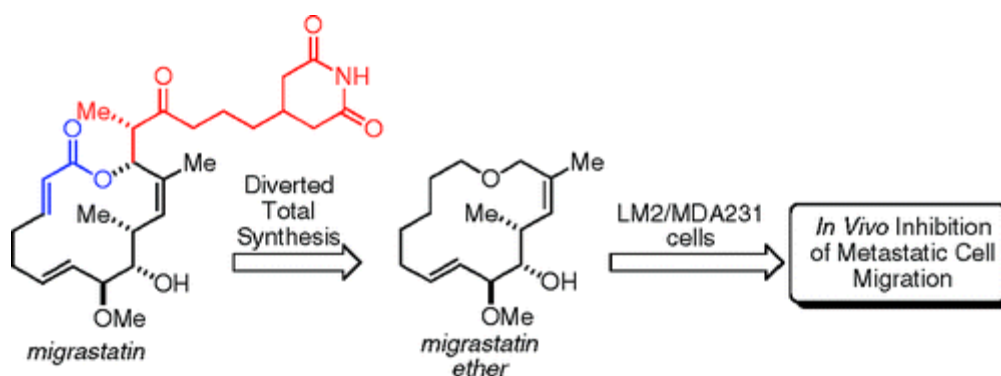
## Diverted Total Synthesis Leads to the Generation of Promising Cell-Migration Inhibitors for Treatment of Tumor Metastasis: *In vivo* and Mechanistic Studies on the Migrastatin Core Ether Analog

Thordur Oskarsson, Pavel Nagorny, Isaac J. Krauss, Lucy Perez, Mihirbaran Mandal, Guangli Yang, Ouathek Ouerfelli, Danhua Xiao, Malcolm A. S. Moore, Joan Massagué and Samuel J. Danishefsky

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## BOOK REVIEWS

### The Nature of the Hydrogen Bond: Outline of a Comprehensive Hydrogen Bond Theory

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DOI: 10.1021/ja100200z

### Comprehensive Organic Name Reactions and Reagents, Volume 1–3

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Publication Date (Web): February 8, 2010 (Book Review)

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### Wiley Guide to Chemical Incompatibilities, 3rd ed.

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### Fluorinated Heterocyclic Compounds: Synthesis, Chemistry, and Applications

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