

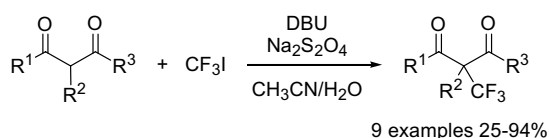
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COMMUNICATIONS

Radical trifluoromethylation of ammonium enolates

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Vitaliy Petrik and Dominique Cahard\*

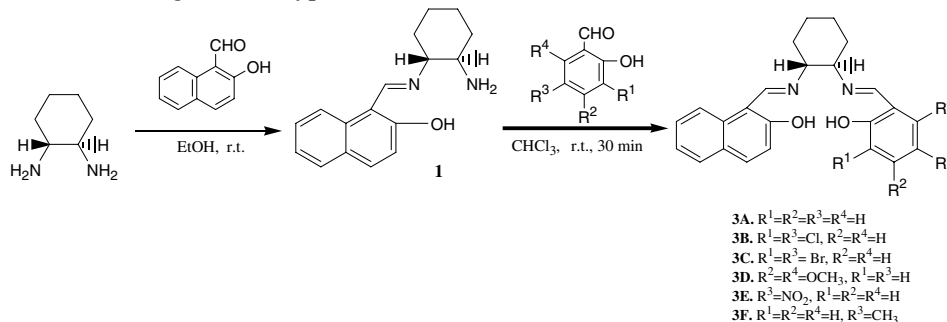


Easy radical trifluoromethylation of a series of 1,3-dicarbonyl compounds with  $\text{CF}_3\text{I}$ . The reaction occurs in the presence of a nitrogen base and sodium dithionite in  $\text{CH}_3\text{CN}-\text{H}_2\text{O}$  solution. A new access to ammonium trifluoromethylates is also reported.

A synthesis of unsymmetrical chiral salen ligands derived from 2-hydroxynaphthaldehyde and substituted salicylaldehydes

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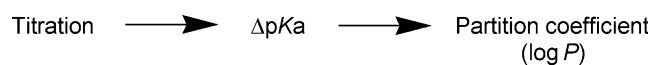
Krzysztof Ambroziak\* and Magdalena Szypa



Potentiometric determination of octanol–water and liposome–water partition coefficients ( $\log P$ ) of ionizable organic compounds

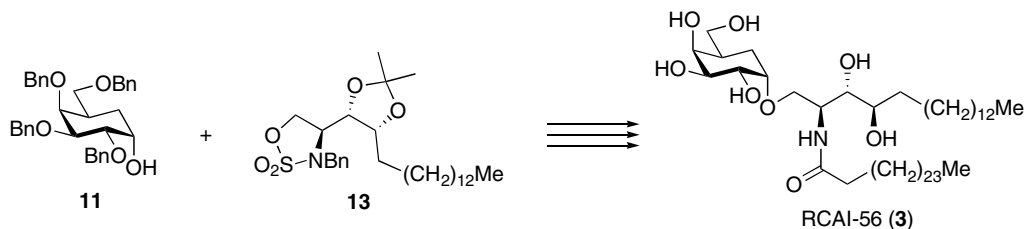
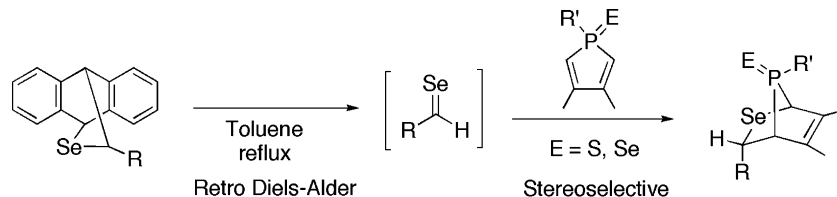
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Claire Barzanti, Rebecca Evans, Jérémy Fouquet, Léonard Gouzin, Nicola M. Howarth,\* Gary Kean, Emilie Levet, Daniel Wang, Estelle Wayemberg, Agnes A. Yeboah and Arno Kraft\*

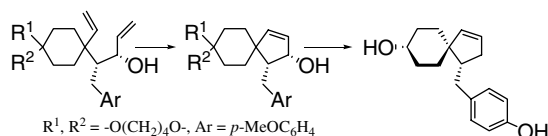


**RCAI-56, a carbocyclic analogue of KRN7000: its synthesis and potent activity for natural killer (NK) T cells to preferentially produce interferon- $\gamma$**  pp 3343–3347

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**The first total synthesis of sequoempervirin A through an orthoester Claisen rearrangement—ring closing metathesis sequence** pp 3355–3358

Soumitra Maity and Subrata Ghosh\*

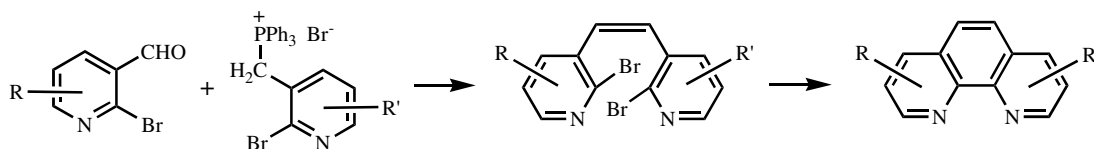


The first total synthesis of sequoempervirin A, a norlignan with a unique spirocyclic structure is described.


**A new approach to the 1,10-phenanthroline core**

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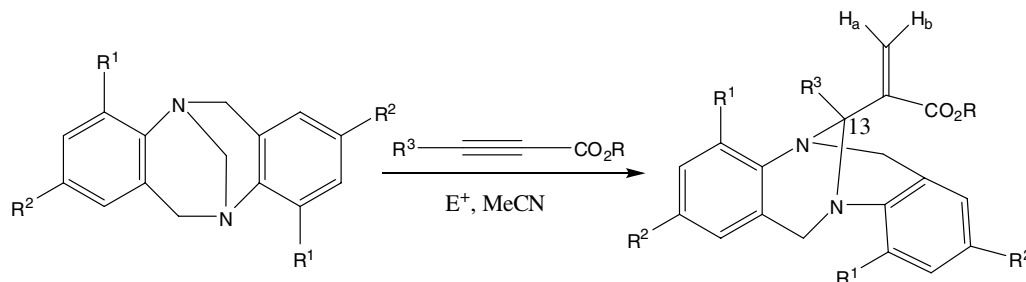
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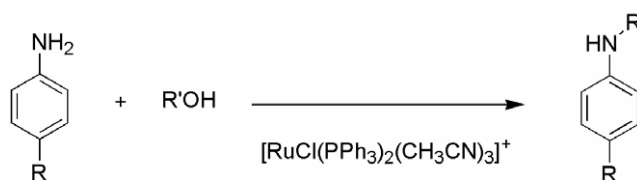
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**Selective N-monoalkylation of anilines catalyzed by a cationic ruthenium(II) compound**

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Sipra Naskar and Manish Bhattacharjee\*

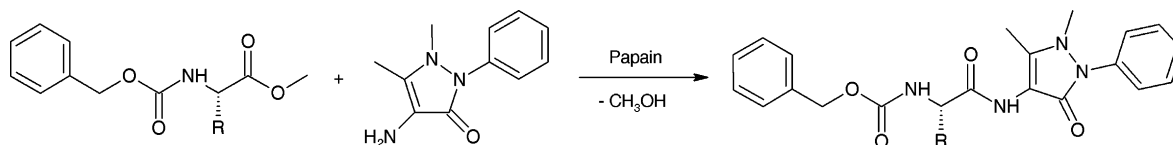


$[RuCl(PPh_3)_2(CH_3CN)_3][BPh_4]$  catalyzes selective monoalkylation of anilines by alcohols.

**Papain-catalysed synthesis of Z-L-aminoacyl-antipyridine amides from Z-protected amino acid esters and 4-aminoantipyridine**

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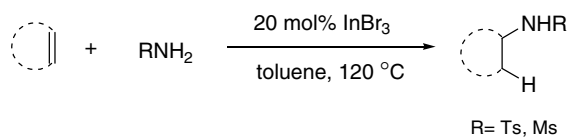
Alexander Lang, Catharina Hatscher and Peter Kuhl\*



**InBr<sub>3</sub> Catalyzed intermolecular hydroamination of unactivated alkenes**

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Jing-Mei Huang,\* Chek-Ming Wong, Feng-Xia Xu and Teck-Peng Loh\*

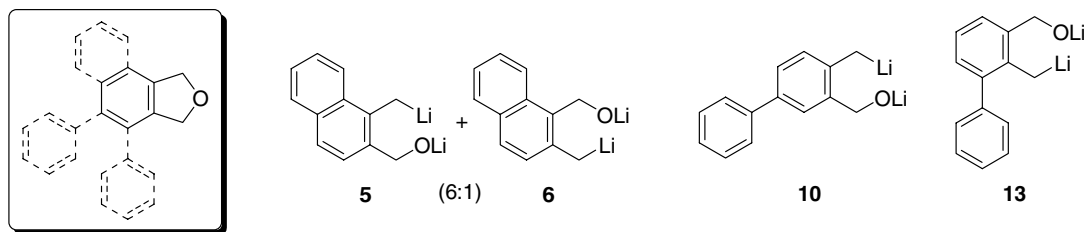


$InBr_3$  has been demonstrated to be a simple catalyst for the intermolecular hydroamination of unactivated alkenes to produce tosyl- and mesyl-protected amines in moderate to good yields.

**Regiochemistry in the reductive opening of phthalan derivatives**

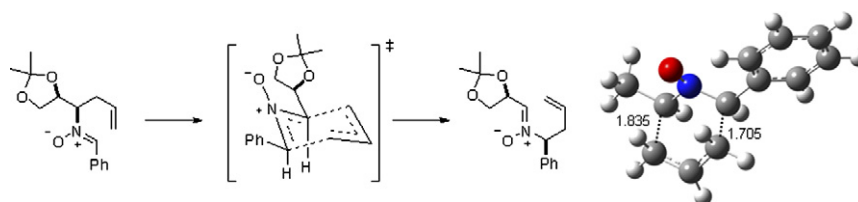
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Francisco Foubelo,\* Daniel García, Benjamín Moreno and Miguel Yus\*

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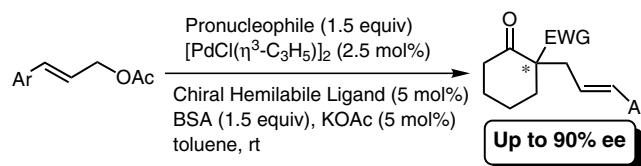
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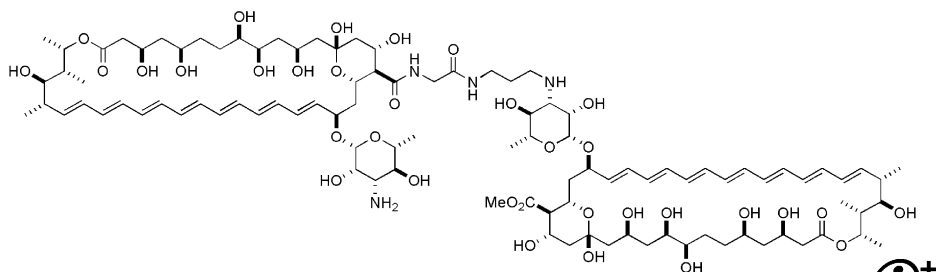
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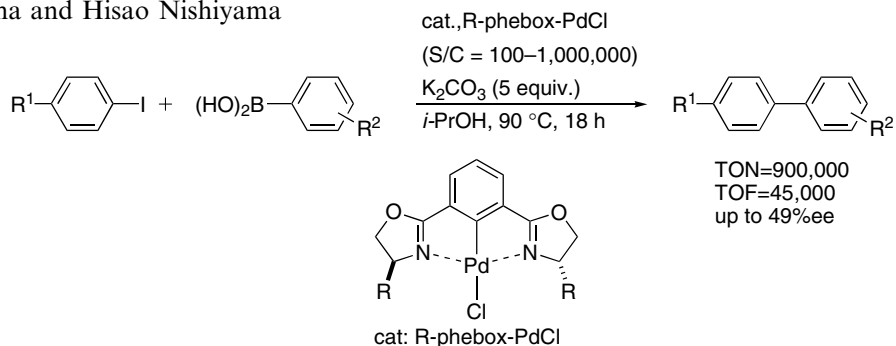
Yuichi Umegawa, Nobuaki Matsumori,\* Tohru Oishi and Michio Murata\*

Based on an amphotericin B ion-channel model with close intermolecular interaction between carboxyl and amino groups, covalent dimers of AmB with potent biological activities were prepared.



**Highly efficient Suzuki–Miyaura coupling reactions catalyzed by bis(oxazoliny)phenyl–Pd(II) complex** pp 3397–3401

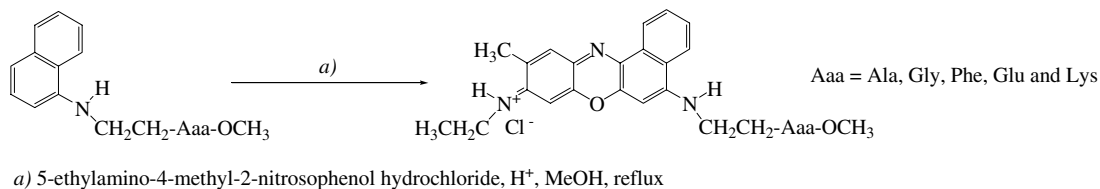
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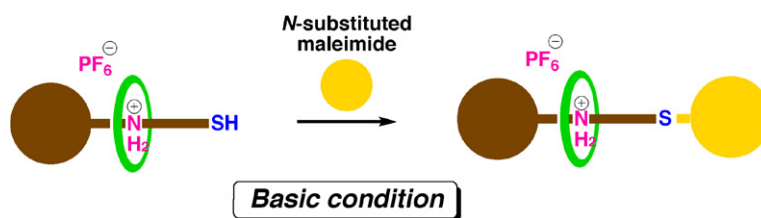
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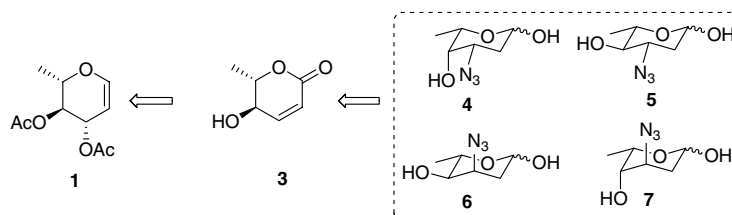
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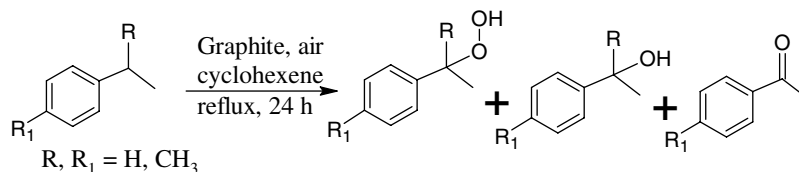
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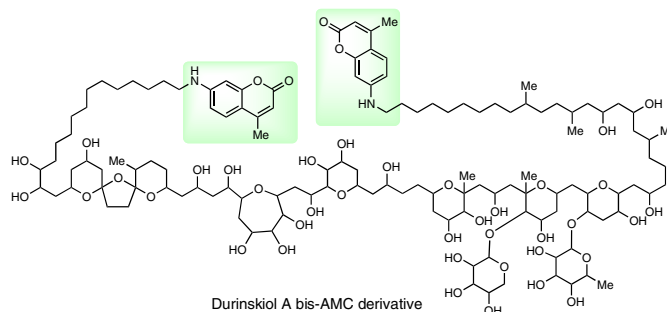
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Masaki Kita, Michael C. Roy, Eric R. O. Siwu, Isao Noma, Takahiro Takiguchi, Motoyuki Itoh, Kaoru Yamada, Tomoyuki Koyama, Takeshi Iwashita and Daisuke Uemura\*

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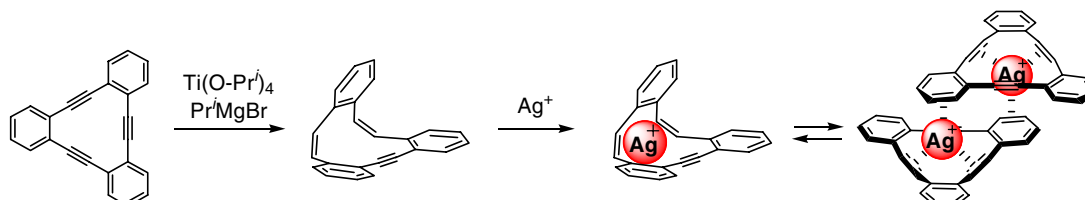
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Masaki Kita, Michael C. Roy, Eric R. O. Siwu, Isao Noma, Takahiro Takiguchi, Kaoru Yamada, Tomoyuki Koyama, Takeshi Iwashita, Atsushi Wakamiya and Daisuke Uemura\*

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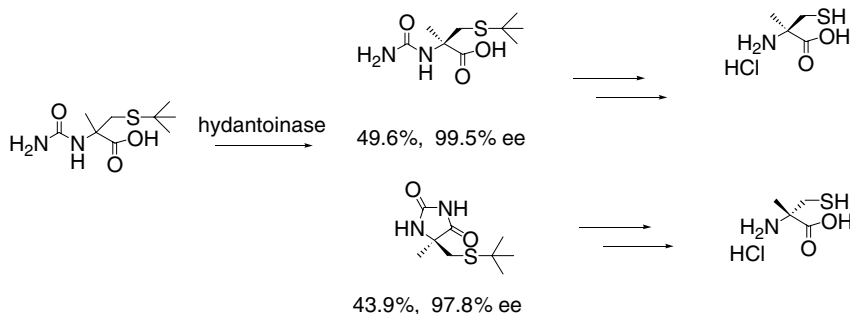
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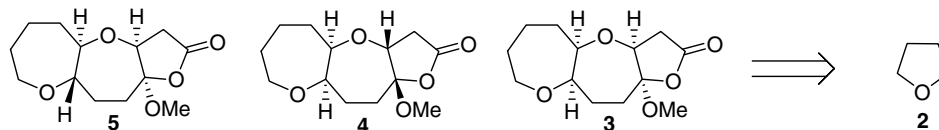
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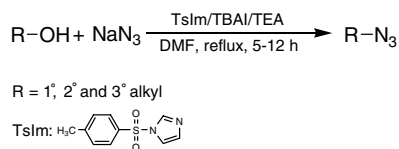
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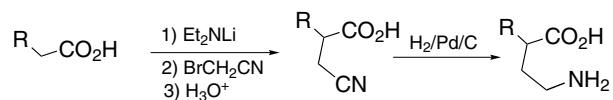
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**A simple synthesis of  $\gamma$ -aminoacids**

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Salvador Gil, Margarita Parra\* and Pablo Rodríguez

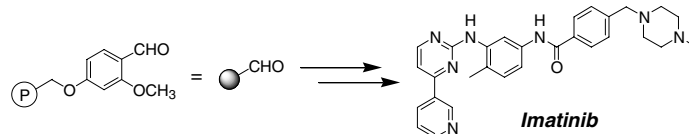


We describe a new synthesis in two-steps of  $\gamma$ -aminoacids, which improves previous results.

**Microwave-assisted solid phase synthesis of *Imatinib*, a blockbuster anticancer drug**

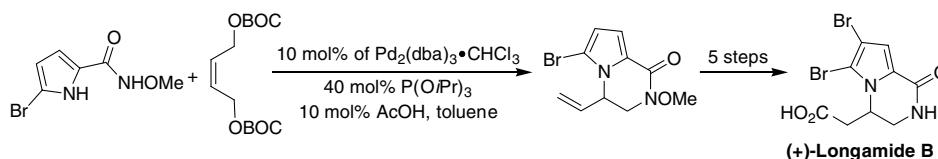
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Francesco Leonetti, Carmelida Capaldi and Angelo Carotti\*

**Total synthesis of *rac*-longamide B**

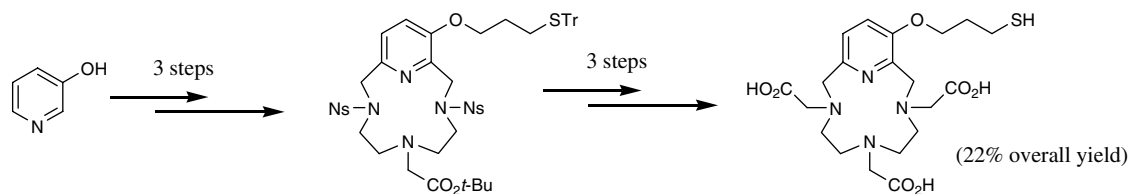
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Xue-Tong Sun and Austin Chen\*

**Synthesis of pyridine-based polyaminocarboxylic ligands bearing a thioalkyl anchor**

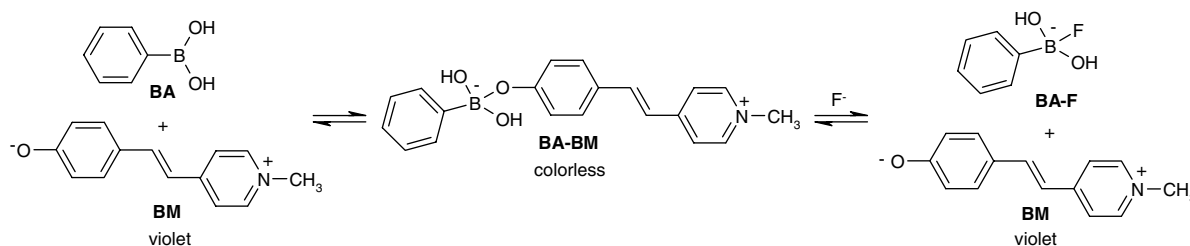
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Jaqueline Nicolini, Fabíola M. Testoni, Samya M. Schuhmacher and Vanderlei G. Machado\*

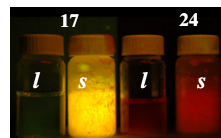
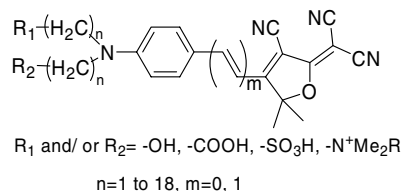




**Modifications of DCDHF single molecule fluorophores to impart water solubility**

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Hui Wang, Zhikuan Lu, Samuel J. Lord, W.E. Moerner and Robert J. Twieg\*

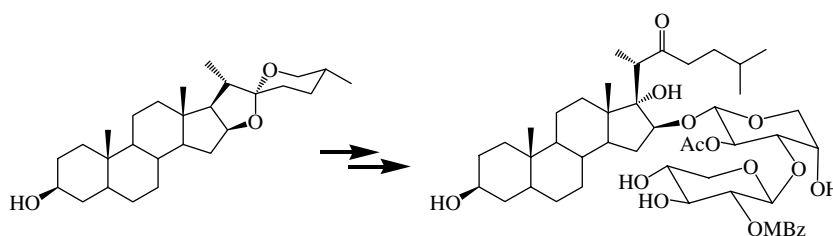


A dicarboxylic acid substituted DCDHF dye (left two vials) and a sulfonic acid substituted DCDHF dye (right two vials) in liquid water (*l*) and ice (*s*) under UV irradiation.

**Synthesis of 5(6)-dihydro-OSW-1 by using the intact skeleton of tigogenin**

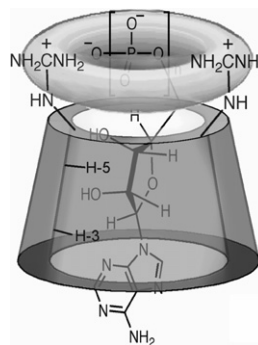
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Li-Jun Chen, Qi-Hai Xu, Hao Huang, Jing-Rong Lin and Wei-Sheng Tian\*

**Heptakis(6-deoxy-6-guanidino)-β-cyclodextrin: an artificial model for mitochondrial ADP/ATP carrier** pp 3479–3483

De-Qi Yuan,\* Ayako Izuka, Makoto Fukudome, Mikhail V. Rekharsky, Yoshihisa Inoue and Kahee Fujita\*

Heptakis(6-deoxy-6-guanidino)-β-cyclodextrin, prepared by one-step reaction of heptakis(6-amino-6-deoxy)-β-cyclodextrin with 1*H*-pyroazolecarboxamidine, binds ADP/ATP very tightly.



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\*Corresponding author

①<sup>+</sup> Supplementary data available via ScienceDirect**COVER**

A long carbon-chain polyol compound with a molecular weight of 2128 mu, durinskiol A, was isolated from the cultured symbiotic dinoflagellate *Durinskia* sp. Its planar and partial relative stereostructure was elucidated based on 2D-NMR and MS/MS analysis. Durinskiol A possesses the following unique features: a 6,5,6-bis-spiroacetal ring, two terminal olefins, two sugar units, and six- and seven-membered ether rings. It caused a short body length, abnormal pigment pattern, and pericardiac and yolk-sac edema in zebrafish.

*Tetrahedron Letters* 2007, 48, 3423–3427 and 3429–3432.

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