

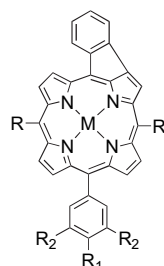
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REPORT

Synthetic routes to porphyrins bearing fused rings

Simon Fox and Ross W. Boyle\*

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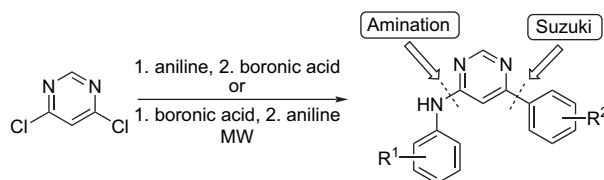
Synthetic routes to porphyrins, and related chlorins and bacteriochlorins, with fused rings are reviewed.

ARTICLES

Efficient microwave-assisted synthesis of highly functionalized pyrimidine derivatives

Christian G. Hartung, Alexander C. Backes,\* Beatrice Felber, Andrea Missio and Alexander Philipp

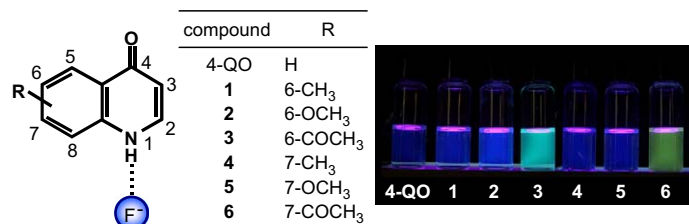
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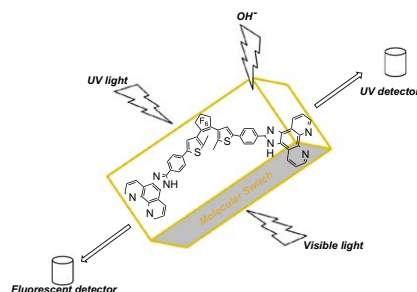
Junzo Hirano, Kenji Hamase and Kiyoshi Zaitzu\*

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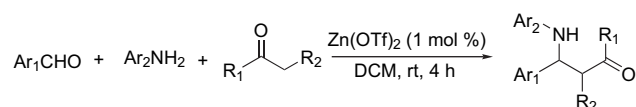


**Multi-state molecular switches based on dithienylperfluorocyclopentene and imidazo [4,5-*f*] [1,10] phenanthroline** pp 10072–10078

Shuzhang Xiao, Tao Yi,\* Yifeng Zhou, Qiang Zhao, Fuyou Li and Chunhui Huang\*

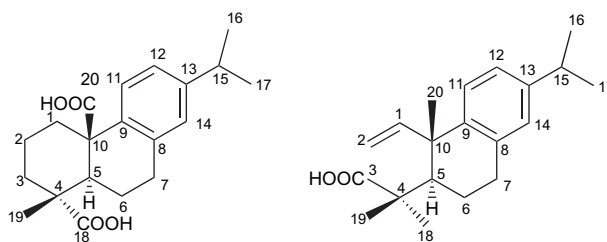

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Yun-Yun Yang, Wang-Ge Shou and Yan-Guang Wang\*


**Two new abietane diterpenes from *Cordia latifolia***

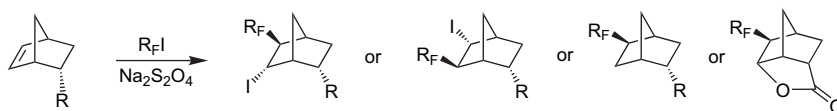
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**Sodium dithionite initiated regio- and stereoselective radical addition of polyfluoroalkyl iodide with norbornene analogs**

Fanhong Wu,\* Fanhua Xiao, Xianjin Yang, Yongjia Shen and Tieying Pan

pp 10091–10099

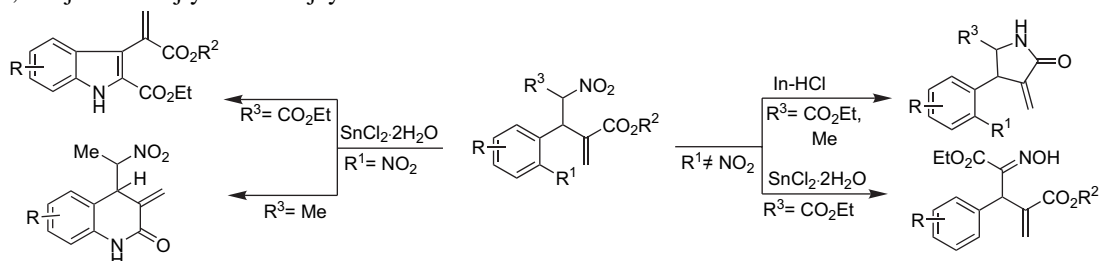


Sodium dithionite initiated free-radical addition of norbornene and its derivatives with polyfluoroalkyl iodides was investigated. In all the cases the addition of  $R_F$  was stereoselective at *exo*-position and the predominant configuration of products was *trans*. Norbornene with a high steric hindered group in the 2-*endo*-position gave 6-*exo*- $R_F$ -5-*endo*-iodo adduct and deiodinated product. Fluoroalkylation–lactonization occurred in the addition of norbornene-2-*endo*-carboxylic acid with  $R_F$ I to afford fluorinated  $\gamma$ -lactone products.



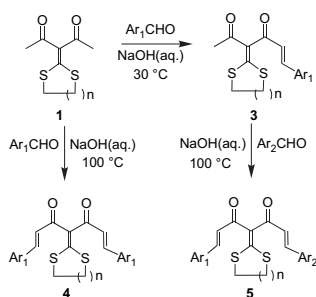
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Vijay Singh, Sanjeev Kanojiya and Sanjay Batra\*



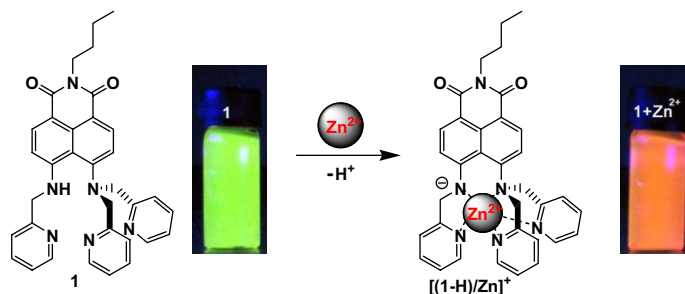
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Yan Ouyang, Dewen Dong,\* Wei Pan, Jie Zhang and Qun Liu\*



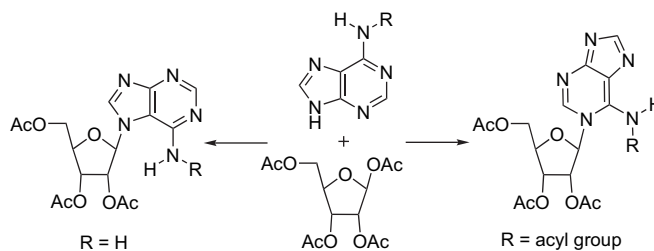
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Zhaochao Xu, Xuhong Qian,\* Jingnan Cui\* and Rong Zhang



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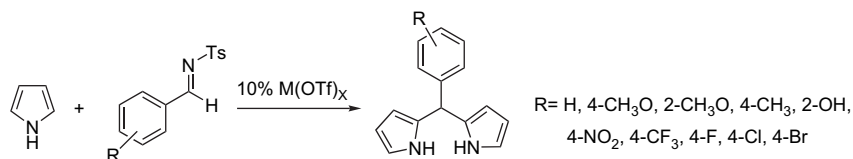
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**A novel method for the synthesis of dipyrromethanes by metal triflate catalysis**

pp 10130–10135

Baris Temelli and Canan Unaleroglu\*

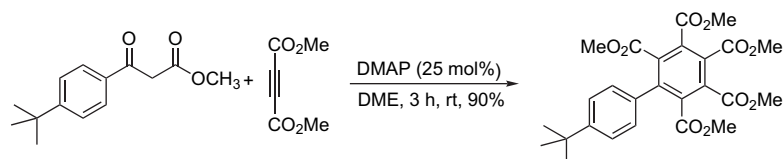


5-Substituted dipyrromethanes were synthesized by the reaction of *N*-tosyl imines with excess pyrrole in the presence of metal triflates. High yields of 5-substituted dipyrromethanes were obtained for electron donating and withdrawing substituents by performing the reaction at two different temperatures. The new reaction procedure is simple and anhydrous conditions are not required.

**DMAP catalyzed reaction of  $\beta$ -ketoesters and dimethyl acetylenedicarboxylate: efficient synthesis of polysubstituted benzenes and biaryls**

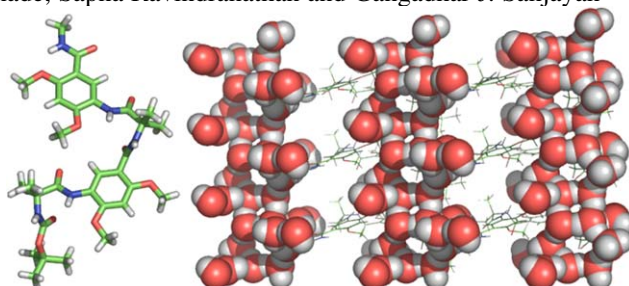
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Vijay Nair,\* N. Vidya, A. T. Biju, Ani Deepthi, K. G. Abhilash and Eringathodi Suresh

**A hybrid foldamer with unique architecture from conformationally constrained aliphatic–aromatic amino acid conjugate**

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Deekonda Srinivas, Rajesh Gonnade, Sapna Ravindranathan and Gangadhar J. Sanjayan\*

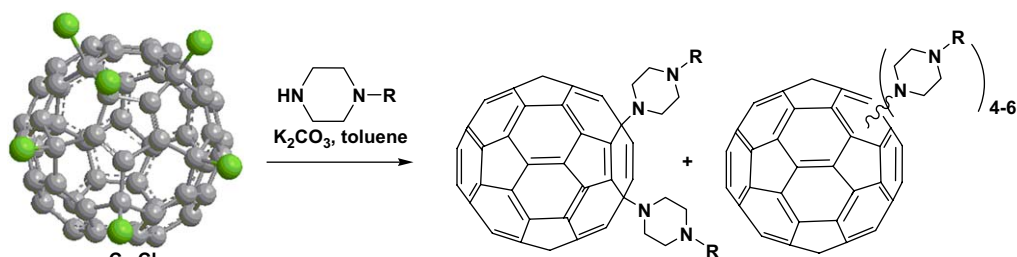


The foldamer (left) and polymeric chain of water clusters stabilized by it (right), as seen in the crystal structure.

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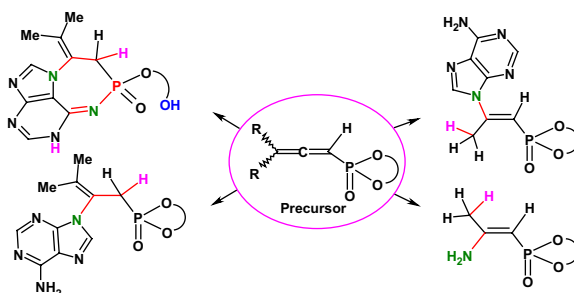
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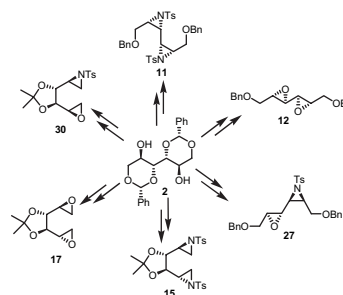
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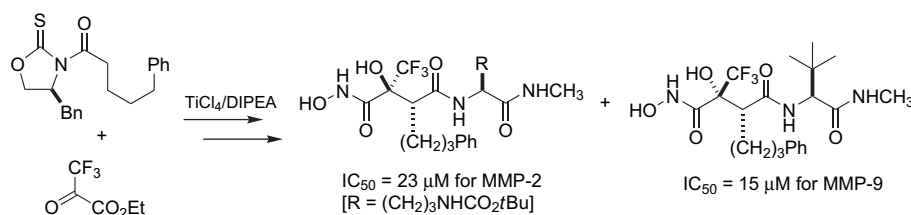
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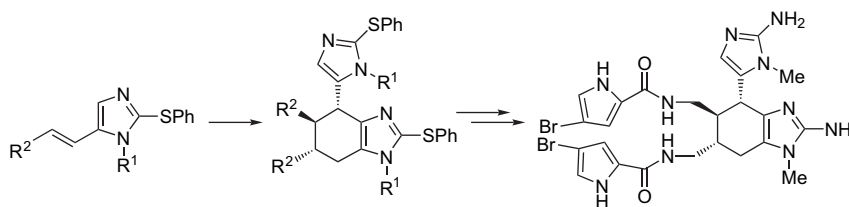
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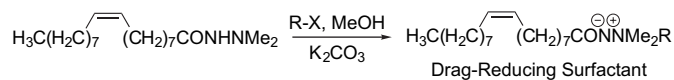
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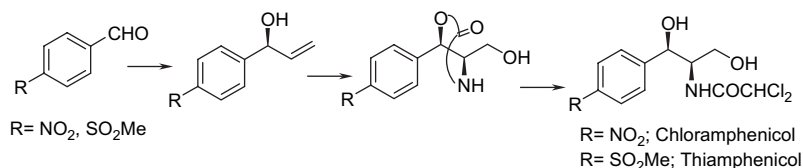
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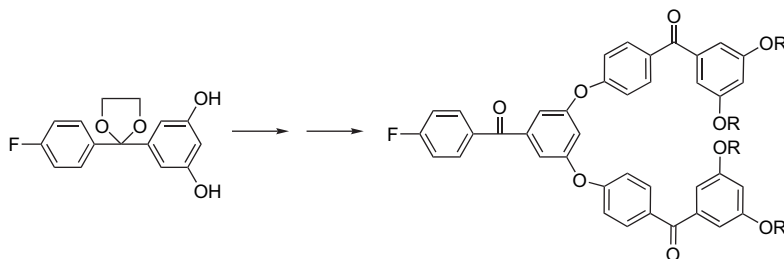
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Shyla George, Srinivasarao V. Narina and Arumugam Sudalai\*

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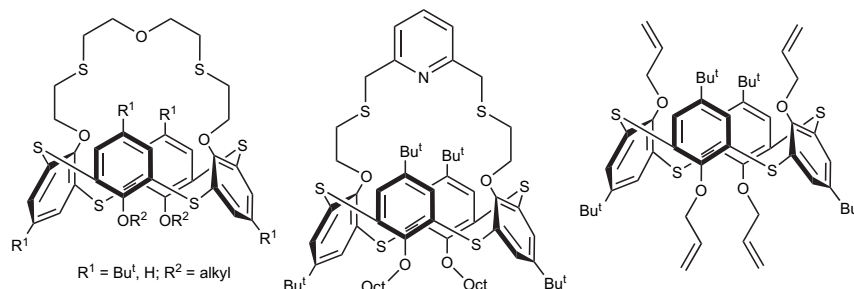
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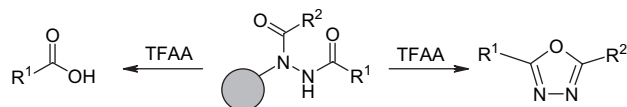
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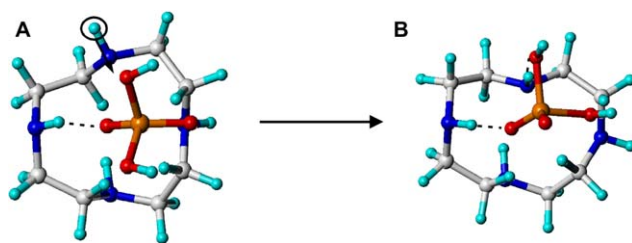
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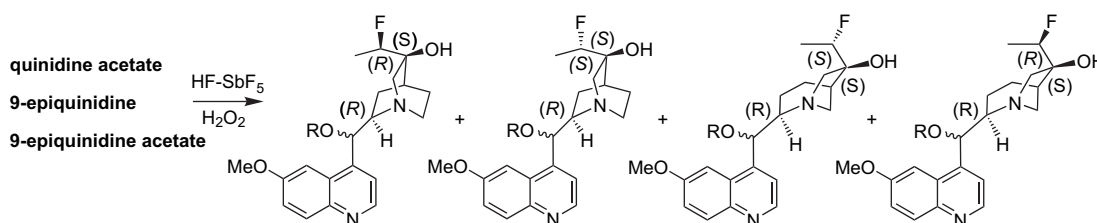
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Erich Kleinpeter\* and Anja Holzberger

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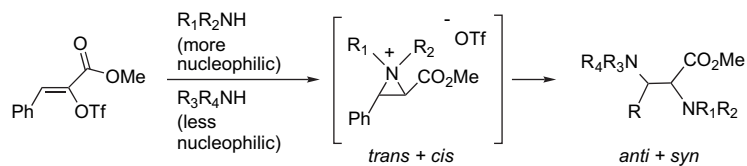
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Marie-José Tranchant and Vincent Dalla\*



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