

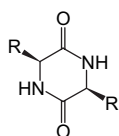
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REPORT

Diketopiperazines: biological activity and synthesis

Maristela B. Martins and Ivone Carvalho*

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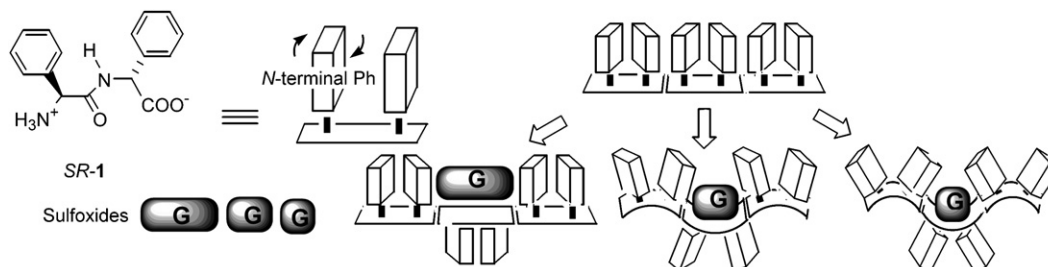
The biological properties of disubstituted 2,5-diketopiperazines and the corresponding synthetic procedures that allow the generation of large arrays of derivatives with interesting biological applications are described.

ARTICLES

Inclusion compounds of L,D-dipeptide with small sulfoxides: flexible sheet structure of (S)-phenylglycyl-(R)-phenylglycine

Motohiro Akazome,* Atsushi Hirabayashi, Kyoko Senda and Katsuyuki Ogura*

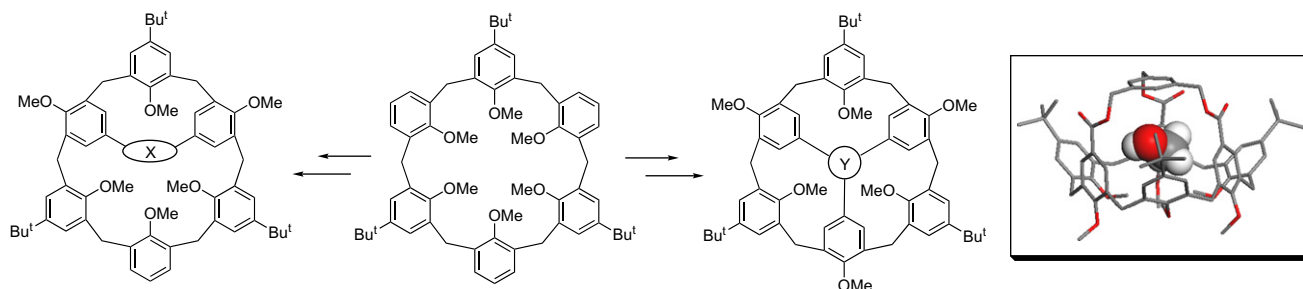
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Selectively formylated and bridged calix[6]arene derivatives at the upper rim

Jun-Min Liu, Qi-Yu Zheng,* Chuan-Feng Chen and Zhi-Tang Huang*

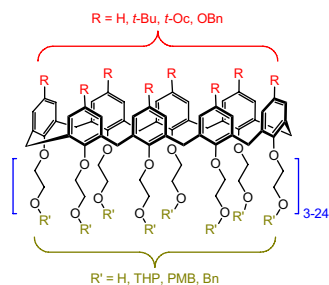
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Preparation of macrocyclon analogues: calix[8]arenes with extended polyethylene glycol chains

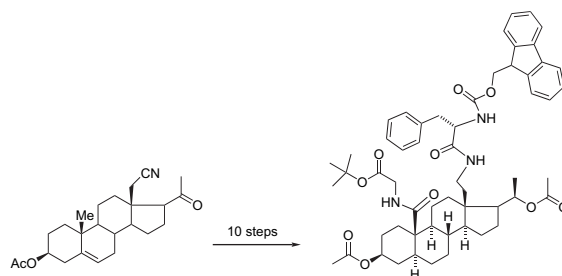
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François A. Loiseau, Alison M. Hill and King Kuok (Mimi) Hii*

**Steroid template associated peptides: design, synthesis and 2D NMR characterization of a novel protected 18-Phe,19-Gly-containing steroidal compound**

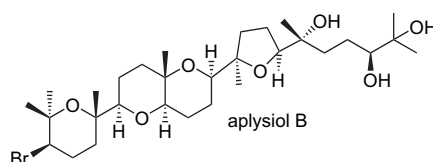
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Mira S. Bjelaković,* Natalija M. Krstić, Nenad Juranić, Milan M. Dabović, Svetislav V. Gojković, Martin Kessler, Jaroslav Kalvoda and Vladimir D. Pavlović*

**Aplysiols A and B, squalene-derived polyethers from the mantle of the sea hare *Aplysia dactylomela***

pp 9970–9978

Emiliano Manzo,* Margherita Gavagnin, Giuseppe Bifulco, Paola Cimino, Simone Di Micco, M. Letizia Ciavatta, Yue Wei Guo and Guido Cimino

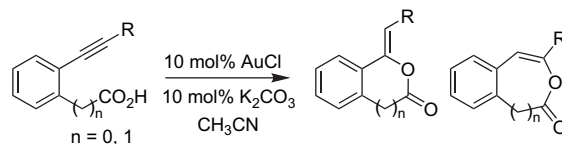


The absolute configuration was established by a combination of different methods including an integrated NMR-QM (Quantum Mechanical) approach.

Cycloisomerization of γ - and δ -acetylenic acids catalyzed by gold(I) chloride

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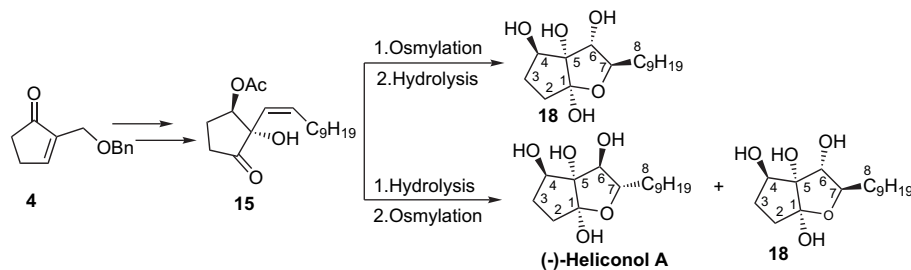
Estelle Marchal, Philippe Uriac,* Béatrice Legouin, Loïc Toupet and Pierre van de Weghe*



Facile total synthesis of the (–)-Heliconol A

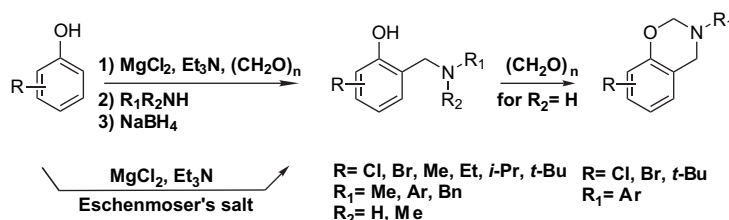
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Weiguo Quan, Binxun Yu, Jiyong Zhang, Qiren Liang, Xuegong She* and Xinfu Pan*

**Synthesis of substituted salicylamines and dihydro-2H-1,3-benzoxazines**

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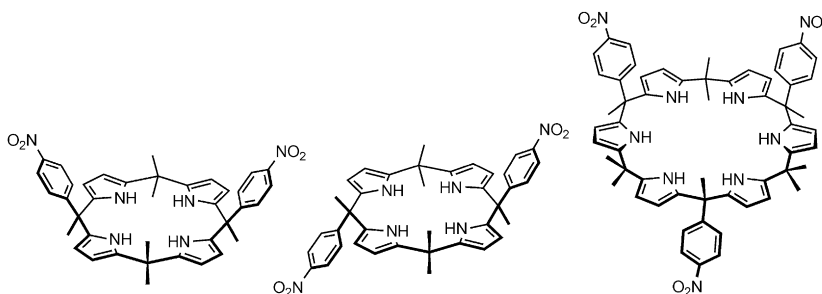
Hany F. Anwar, Lars Skattebøl and Trond Vidar Hansen*

**Tuning the anion binding properties of calixpyrroles by means of *p*-nitrophenyl substituents at their *meso*-positions**

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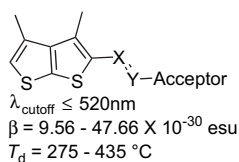
Giuseppe Bruno, Grazia Cafeo, Franz H. Kohnke* and Francesco Nicolò

meso-p-Nitrophenyl-substituted calix[4] and calix[6]pyrroles were synthesized and tested as receptors for the binding of halogen anions. The X-ray crystal structures of the calix[4] derivatives were also solved.

**Optically transparent and thermally stable nonlinear optical chromophores featuring a thieno[2,3-*b*]thiophene donor**

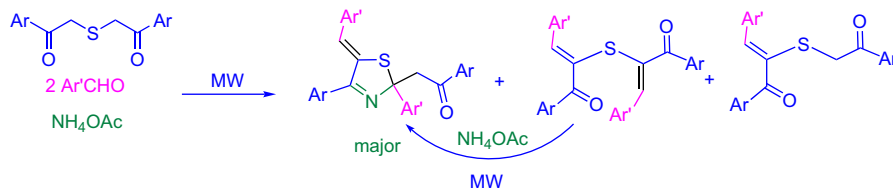
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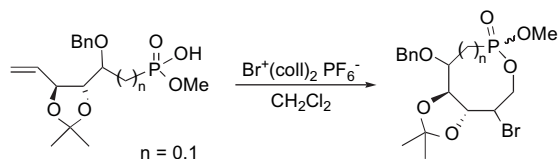
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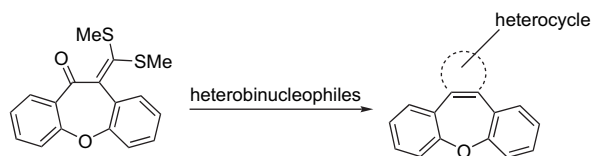
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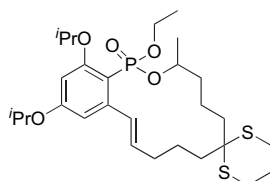
Sarvesh Kumar, Hiriyakkanavar Ila* and Hiriyakkanavar Junjappa



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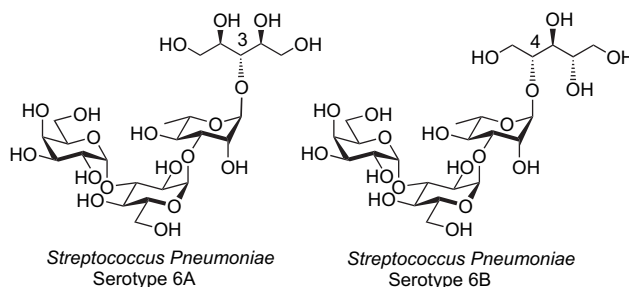
Krishanthi P. Jayasundera, Samuel J. Brodie and Carol M. Taylor*



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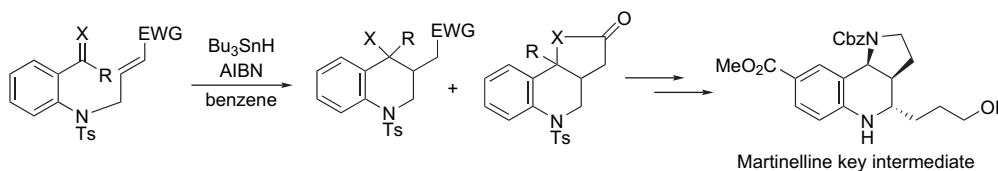
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Archana R. Parameswar, Papapida Pornsuriyasak, Nicole A. Lubanowski and Alexei V. Demchenko*


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*Corresponding author

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