

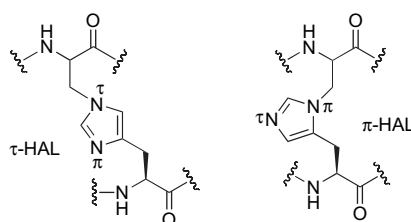
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Carol M. Taylor* and Weihua Wang

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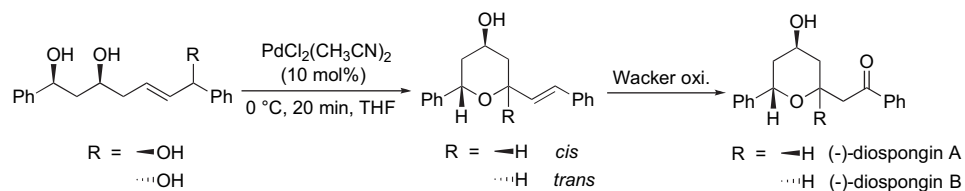


ARTICLES

Stereoselective synthesis of (–)-diospongins A and B and their stereoisomers at C-5

Nobuyuki Kawai, Sudhir Mahadeo Hande and Jun'ichi Uenishi*

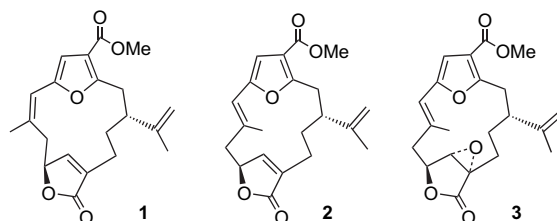
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The oxidation profile at C-18 of furanocembranolides may provide a taxonomical marker for several genera of octocorals

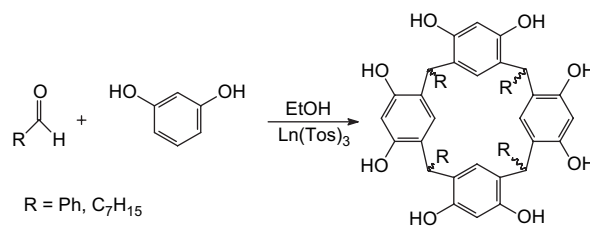
Enrique Dorta, Ana R. Díaz-Marrero, Inmaculada Brito, Mercedes Cueto, Luis D'Croze and José Darías*

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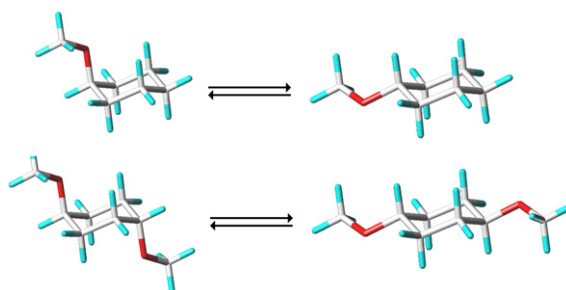
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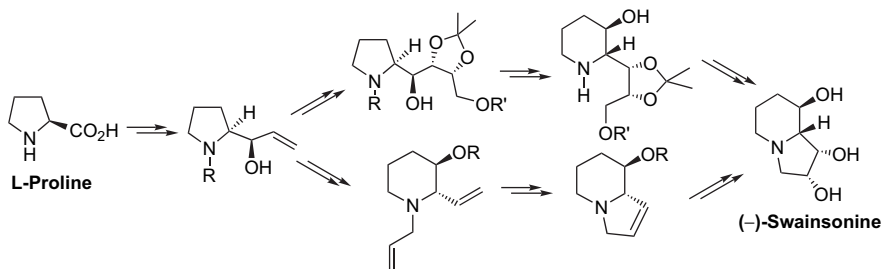
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Erich Kleinpeter* and Jörg Thielemann



Enantioselective ring expansion of prolinol derivatives. Two formal syntheses of (–)-swainsonine pp 9082–9091

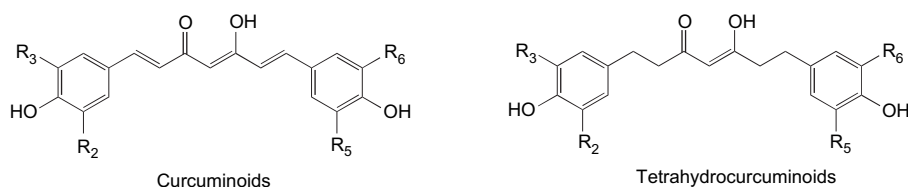
Ingrid Déchamps, Domingo Gomez Pardo* and Janine Cossy*



Two enantioselective formal syntheses of (–)-swainsonine have been achieved from L-proline by using an enantioselective ring enlargement of a substituted prolinol as the key step. The more efficient synthesis has been achieved in 14 steps with an overall yield of 14%.

A comparative study on the antioxidant properties of tetrahydrocurcuminoids and curcuminoids pp 9092–9099

Elise Portes, Christian Gardrat and Alain Castellan*

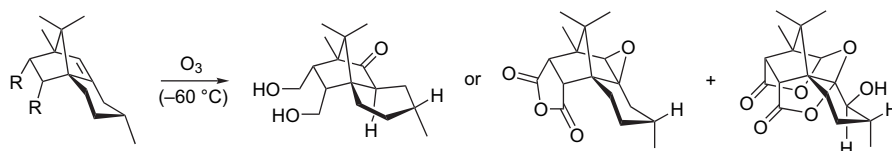


The antioxidant power of curcuminoids and tetrahydrocurcuminoids is due to phenol units and not the enolic part of the chain. The enhanced antioxidant power of tetrahydrocurcuminoids compared to curcuminoids is due to the presence of easily oxidizable benzylic hydrogens.

Unusual reactivity of bicyclo[2.2.1]heptene derivatives during the ozonolysis

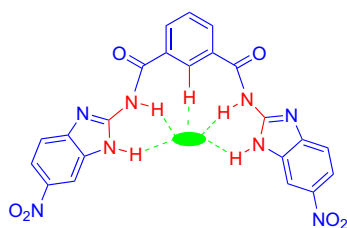
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Isabelle Kondolf, Marie Feuerstein, Céline Reynaud, Michel Giorgi, Henri Doucet* and Maurice Santelli*

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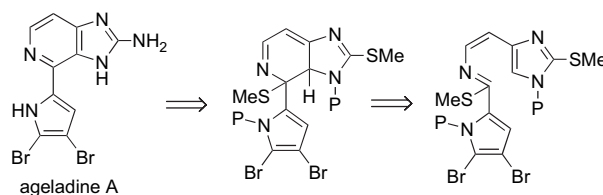
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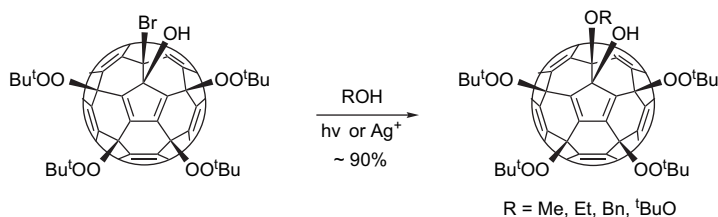
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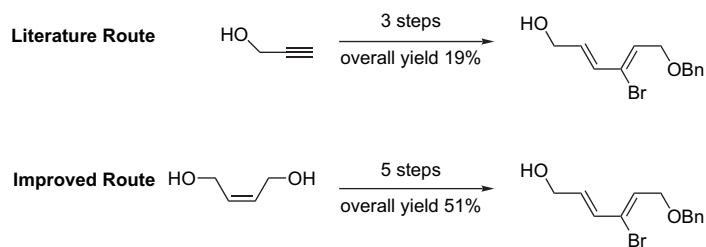
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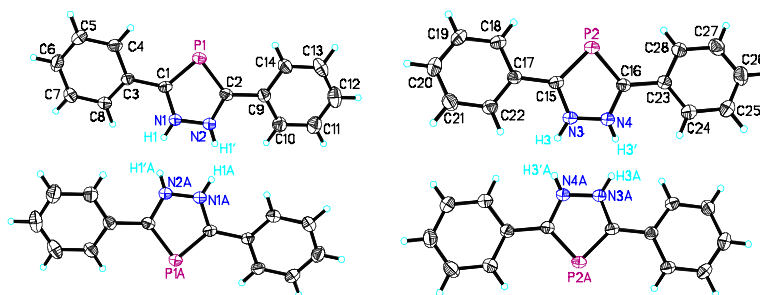
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Paul A. Clarke,* Gabriele A. Rolla, Andrew P. Cridland and Andrew A. Gill

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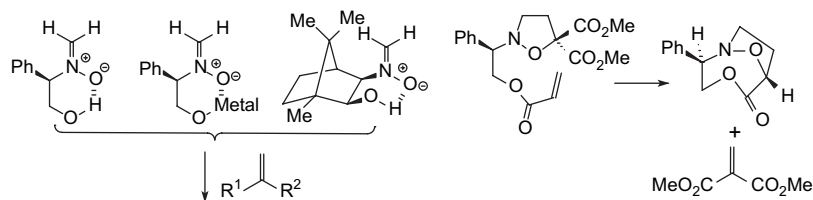
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Li Wan, Ibon Alkorta,* José Elguero, Jie Sun and Wenjun Zheng*

The title compound (**1**) forms two cyclic dimers presenting a dynamic equilibrium involving proton transfer.**The stereochemistry of 1,3-dipolar cycloaddition of internally H-bonded chiral methylenitrones**

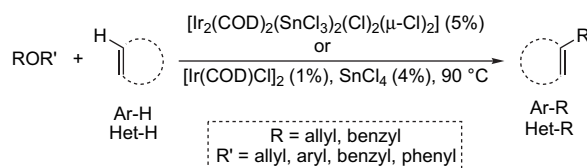
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Shaikh A. Ali* and Muhammad Z. N. Iman

**Efficient and selective alkylation of arenes and heteroarenes with benzyl and allyl ethers using a Ir/Sn bimetallic catalyst**

pp 9146–9152

Susmita Podder and Sujit Roy*



A high-valent heterobimetallic catalyst namely $[\text{Ir}_2(\text{COD})_2(\text{SnCl}_3)_2(\text{Cl})_2(\mu\text{-Cl})_2]$ (5 mol %), or dual catalyst system of $[\text{Ir}(\text{COD})\text{Cl}]_2$ (1 mol %) and SnCl_4 (4 mol %), promotes the benzylation or allylation of arenes and heteroarenes using ethers as the alkylating agents. An electrophilic mechanism is proposed from a Hammett correlation.

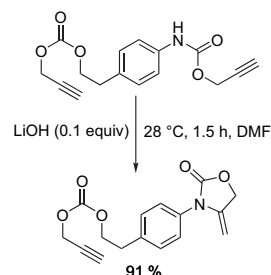


Base catalyzed cyclization of *N*-aryl and *N*-alkyl-*O*-propargyl carbamates to 4-alkylidene-2-oxazolidinones

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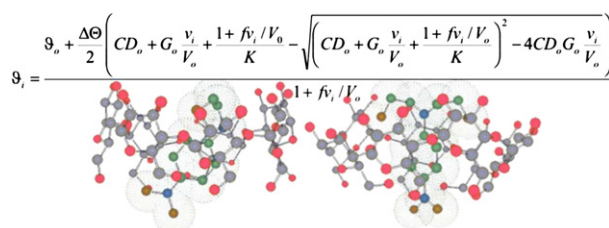
Ramapanicker Ramesh, Yogesh Chandrasekaran, Rajendran Megha and Srinivasan Chandrasekaran*

Base catalyzed cyclization of *N*-alkyl and *N*-aryl-*O*-propargyl carbamates is studied in detail. The effect of various solvents and bases on these reactions is systematically analyzed and LiOH in DMF is reported as the best combination of base and solvent for these cyclization reactions.

**Host–guest interactions involving cyclodextrins: useful complementary insights achieved by polarimetry**

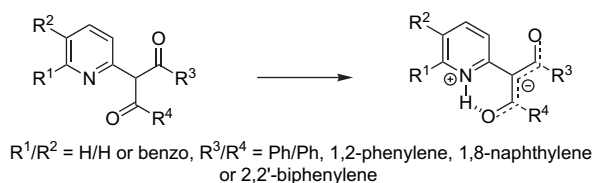
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Paolo Lo Meo,* Francesca D'Anna, Serena Riela, Michelangelo Gruttadauria and Renato Noto*

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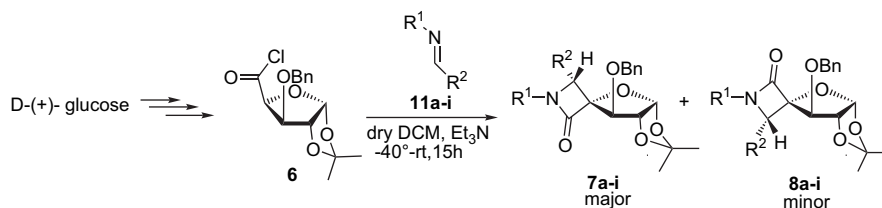
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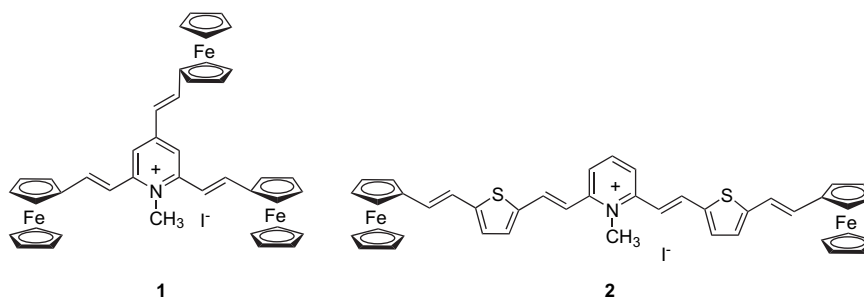
P. M. Chincholkar, Vedavati G. Puranik and A. R. A. S. Deshmukh*



Synthesis and nonlinear optical absorption properties of two new conjugated ferrocene-bridge-pyridinium compounds

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Fan Yang, Xiu-Ling Xu, Yong-Hua Gong, Wen-Wei Qiu, Zhen-Rong Sun, Jin-Wei Zhou, Pierre Audebert and Jie Tang*

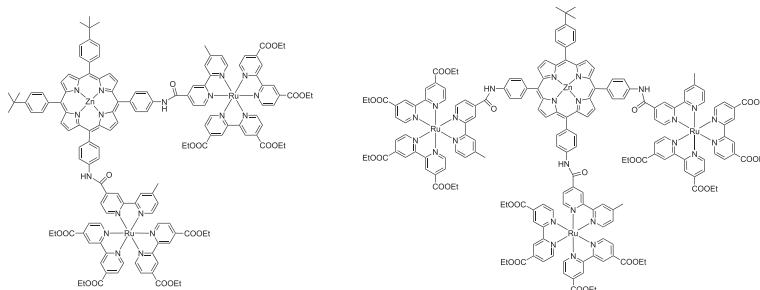


Synthesis, electrochemical, and photophysical studies of multicomponent systems based on porphyrin and ruthenium(II) polypyridine complexes

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Xien Liu, Jianhui Liu,* Jingxi Pan, Samir Andersson and Licheng Sun*

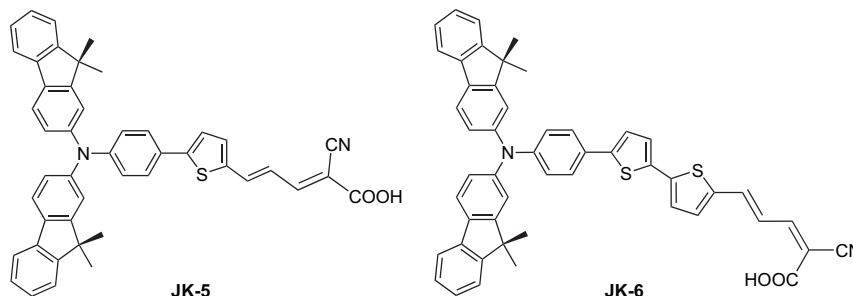
Two ruthenium tris-bipyridine functionalized porphyrins **4**, **8** and their Zn derivatives **4-Zn**, **8-Zn** were designed, synthesized, and characterized. Primary dynamic studies on the electron injection and backing recombination between these complexes and TiO₂ nanoparticle are carried out by means of transient absorption spectrum. The results indicate that a long-lived charge separation state was obtained in these assemblies.



Novel conjugated organic dyes containing bis-dimethylfluorenyl amino phenyl thiophene for efficient solar cell

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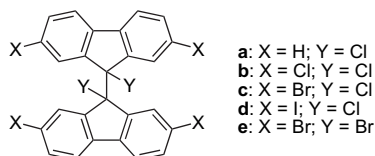
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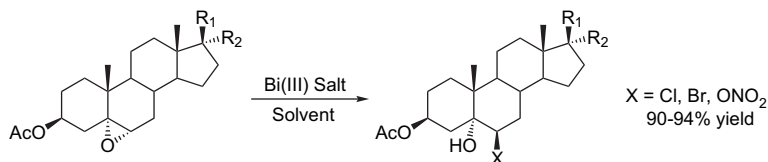
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Koichi Tanaka,* Shin-ichi Wada and Mino R. Caira*

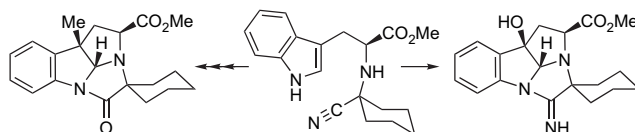


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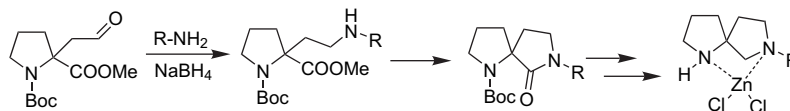
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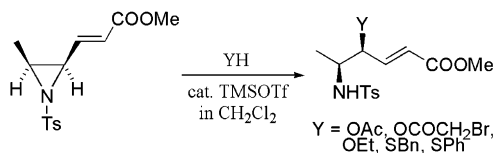
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Hirokazu Tamamura,* Tomohiro Tanaka, Hiroshi Tsutsumi, Koji Nemoto, Satoko Mizokami, Nami Ohashi, Shinya Oishi and Nobutaka Fujii*



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*Corresponding author

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