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The search for the chemistry of life's origin

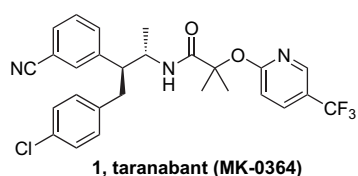
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Convenient total synthesis of taranabant (MK-0364), a novel cannabinoid-1 receptor inverse agonist as an anti-obesity agent

Min-ah Kim, Jong Yup Kim, Kwang-Seop Song, Jeongmin Kim and Jinhwa Lee*

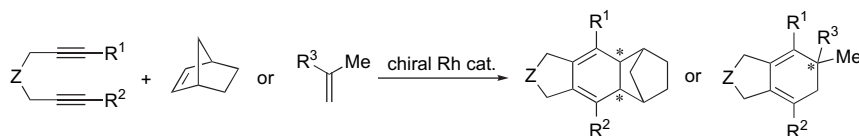
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Rhodium-catalyzed enantioselective [2+2+2] cycloaddition of diynes with unfunctionalized alkenes

Takanori Shibata,* Ai Kawachi, Mika Ogawa, Yusuke Kuwata, Kyoji Tsuchikama and Kohei Endo

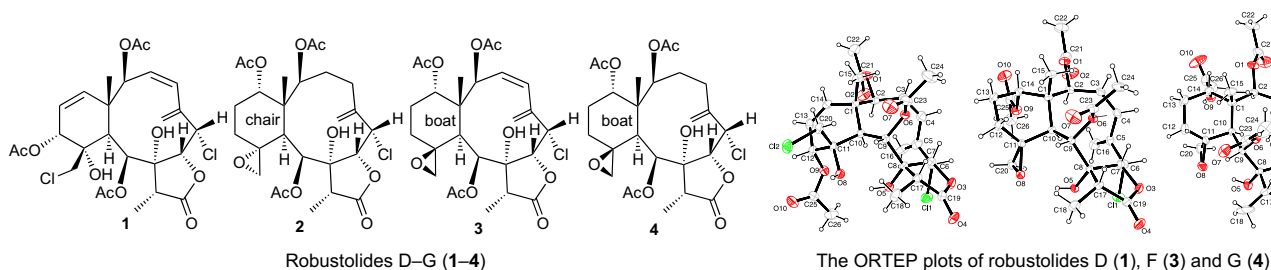
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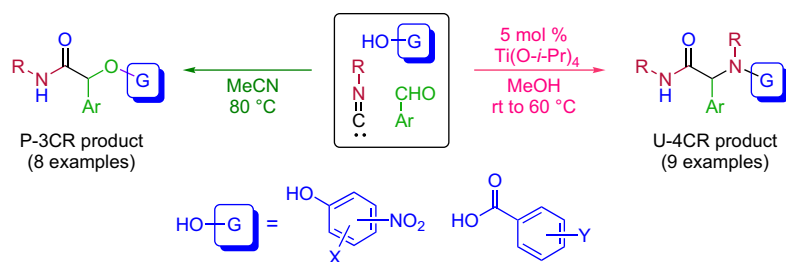
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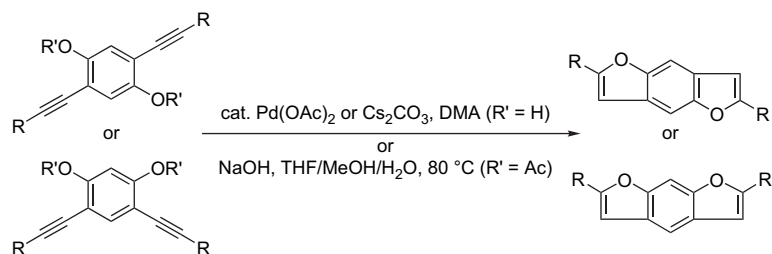
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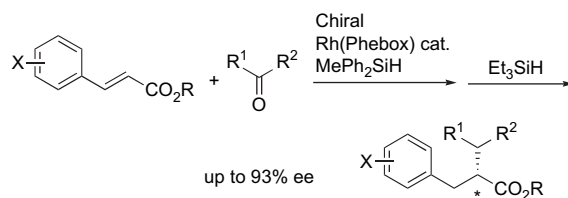
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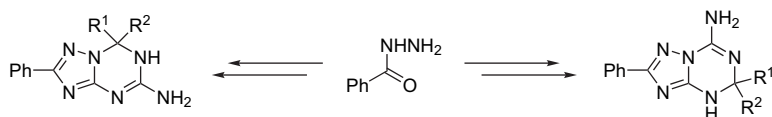
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Toru Hashimoto, Takushi Shiomi, Jun-ichi Ito and Hisao Nishiyama*


Practical synthesis of regioisomeric 5(7)-amino-6,7(4,5)-dihydro[1,2,4]triazolo[1,5-a][1,3,5]triazines

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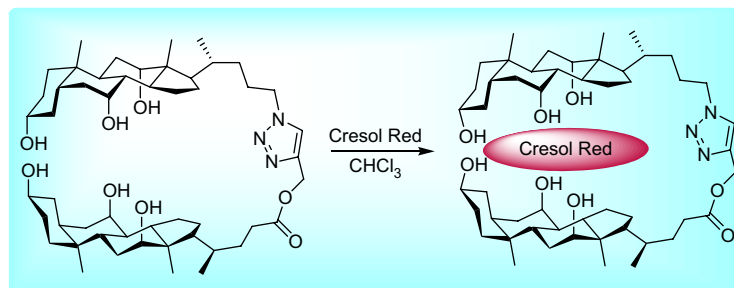
Anton V. Dolzhenko,* Anna V. Dolzhenko and Wai-Keung Chui



Design, synthesis, and micellar properties of bile acid dimers and oligomers linked with a 1,2,3-triazole ring

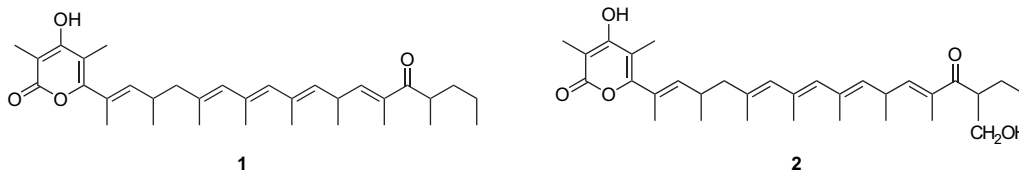
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Nilkanth G. Aher, Vandana S. Pore* and Sachin P. Patil


Fusaripyrones, novel polypropionates from the Mediterranean mollusc *Haminoea fusari*

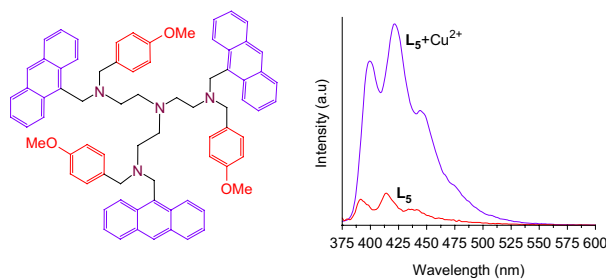
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Adele Cutignano,* Daniela Blihoghe, Angelo Fontana, Guido Villani, Giuliana d'Ippolito and Guido Cimino

Structural elucidation of polypropionates **1** and **2** was achieved by chemical and advanced spectroscopic methods.
Attachment of 4-methoxy benzyl units to a tripodal fluoroionophore shows reversal of output functionality with Cu(II) input

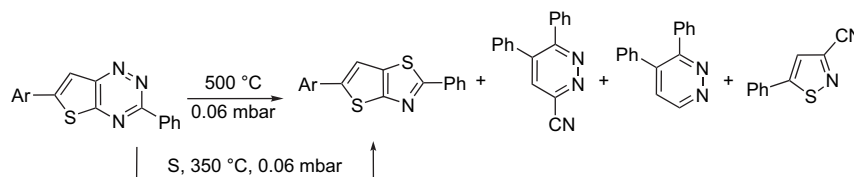
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I. Ravikumar, B. Nisar Ahamed and Pradyot Ghosh*


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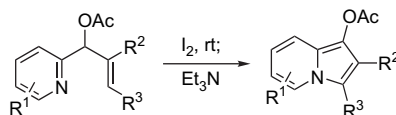
Hanan Al-Awadi, Maher R. Ibrahim, Nouria A. Al-Awadi and Yehia A. Ibrahim*



A novel and efficient approach to highly substituted indolizines via 5-endo-trig iodocyclization

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Ikyon Kim,* Hye Kyoung Won, Jihyun Choi and Ge Hyeong Lee

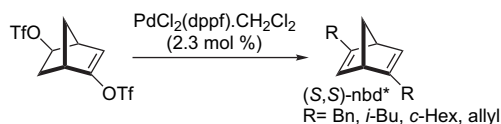


5-endo-trig Iodocyclization followed by isomerization and dehydroiodination of allylic acetates provides a convenient route to highly substituted indolizines under mild conditions.

**Some new C₂-symmetric bicyclo[2.2.1]heptadiene ligands: synthesis and catalytic activity in rhodium(I)-catalyzed asymmetric 1,4- and 1,2-additions**

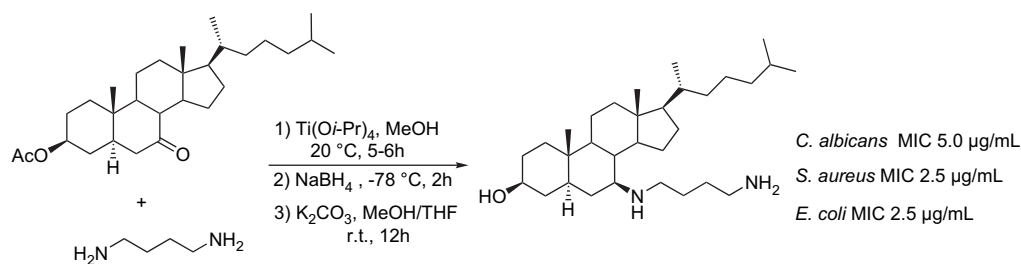
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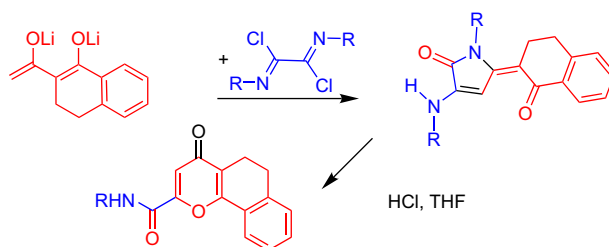
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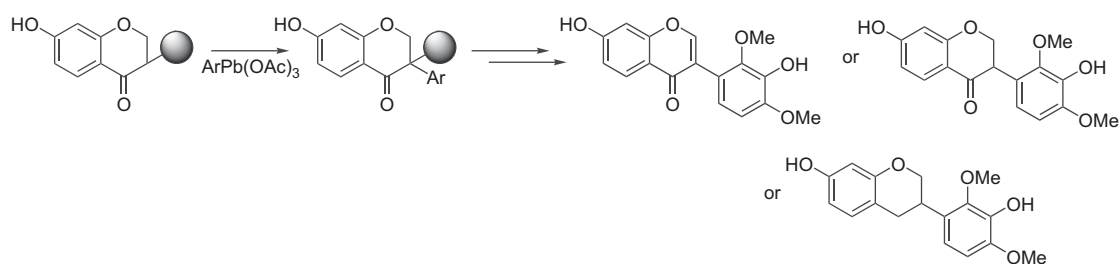
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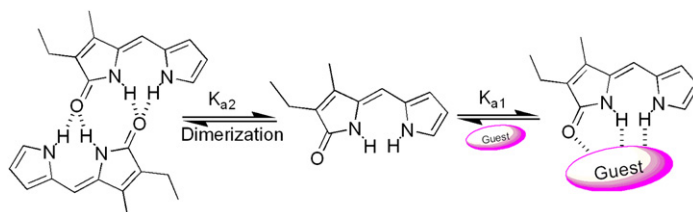
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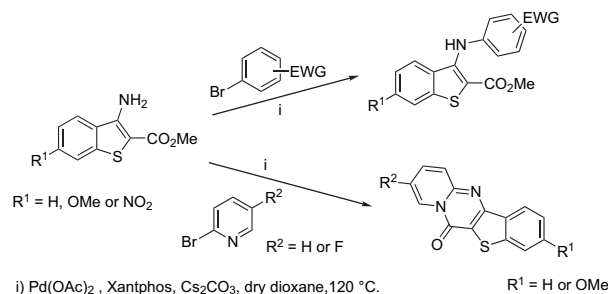
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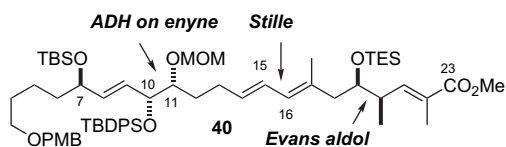
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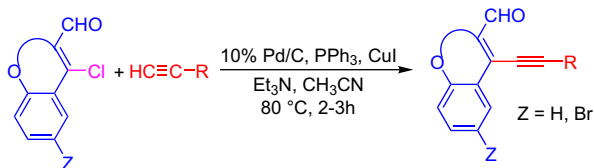
Julia Jägel, Anke Schmauder, Michael Binanzer and Martin E. Maier*



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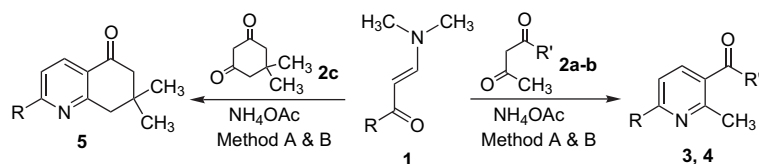
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Rabin Bera, Nalivela Kumara Swamy, G. Dhananjaya, J. Moses Babu, P. Rajender Kumar, K. Mukkanti and Manojit Pal*

**A highly efficient regioselective one-pot synthesis of 2,3,6-trisubstituted pyridines and 2,7,7-trisubstituted tetrahydroquinolin-5-ones using $\text{K}_5\text{CoW}_{12}\text{O}_{40} \cdot 3\text{H}_2\text{O}$ as a heterogeneous recyclable catalyst**

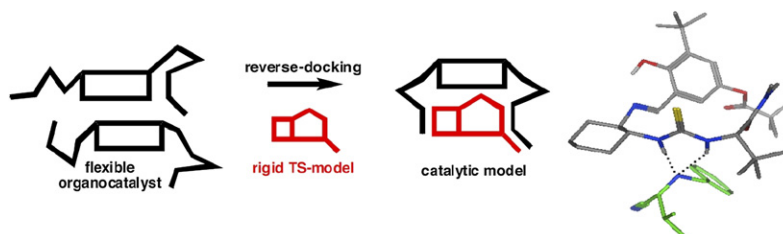
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Srinivas Kantevari,* Mahankhali Venu Chary and Srinivasu V. N. Vuppalapati

**Method A:** $\text{K}_5\text{CoW}_{12}\text{O}_{40} \cdot 3\text{H}_2\text{O}$, IPA, Reflux, 2-3h;**Method B:** $\text{K}_5\text{CoW}_{12}\text{O}_{40} \cdot 3\text{H}_2\text{O}$, Neat, 115 °C, 0.5-1.0h**Reverse-docking study of the organocatalyzed asymmetric Strecker hydrocyanation of aldimines and ketimines**

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D. Joseph Harriman, Glen F. Deleavey, Andreas Lambropoulos and Ghislain Deslongchamps*




A novel docking method is employed to investigate the enantioselectivity and transition state geometries of asymmetric Strecker reactions catalyzed by Jacobsen's organocatalyst.



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* Supplementary data available via ScienceDirect



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