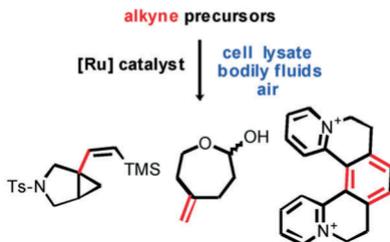


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2009, 74, 1023–1034

**Bio- and Air-Tolerant Carbon–Carbon Bond Formations via Organometallic Ruthenium Catalysis**

Louis Adriaenssens, Lukáš Severa, Jan Vávra, Tereza Šálová, Jakub Hývl, Martina Čížková, Radek Pohl, David Šaman and Filip Teplý

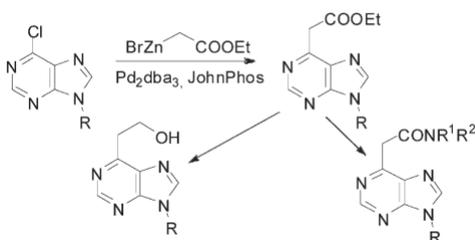


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2009, 74, 1035–1059

**Synthesis of (Purin-6-yl)acetates and Their Transformations to 6-(2-Hydroxyethyl)- and 6-(Carbamoylmethyl)purines**

Zbyněk Hasník, Radek Pohl, Blanka Klepetářová and Michal Hocek

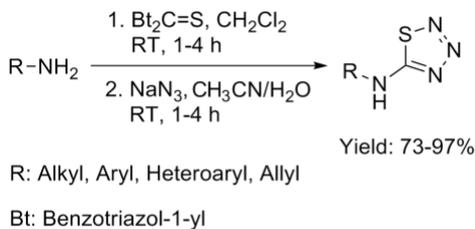


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2009, 74, 1061–1068

**Convenient One-Pot Synthesis of 5-(Substituted Amino)-1,2,3,4-thiaziazaoles**

Alan R. Katritzky, Geeta Meher and Tamari Narindoshvili

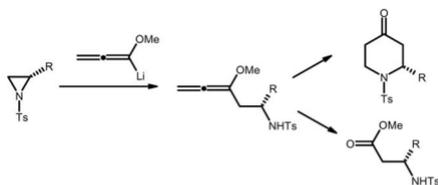


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2009, 74, 1069–1080

**Addition of Lithiated Methoxyallene to Aziridines – A Novel Access to Enantiopure Piperidine and  $\beta$ -Amino Acid Derivatives**

Vladimir Prisyazhnyuk, Matthias Jachan, Irene Brüdgam, Reinhold Zimmer and Hans-Ulrich Reissig

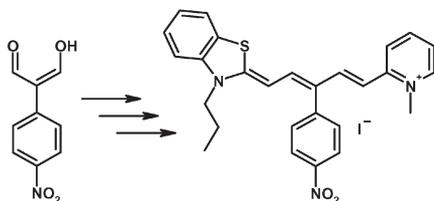


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2009, 74, 1081–1090

### Synthesis of Unsymmetric Cyanine Dye via Merocyanine and Their Interaction with DNA

Tomáš Bříza, Zdeněk Kejík, Jarmila Králová,  
Pavel Martásek and Vladimír Král

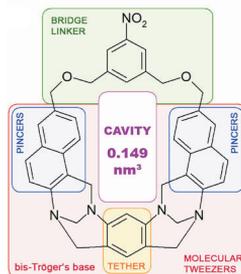


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2009, 74, 1091–1099

### Bridged Bis-Tröger's Base Molecular Tweezers as New Cavitand Family

Martin Havlík, Václav Parchaňský,  
Petr Bouř, Vladimír Král and  
Bohumil Dolenský

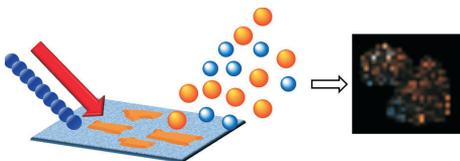


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2009, 74, 1101–1116

### Surface Analysis by Imaging Mass Spectrometry

Veronika Vidová, Michael Volný,  
Karel Lemr and Vladimír Havlíček

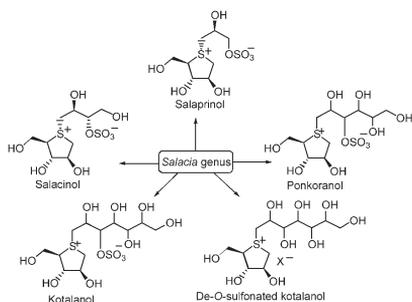


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2009, 74, 1117–1136

### Sulfonium-Ion Glycosidase Inhibitors Isolated from *Salacia* Species Used in Traditional Medicine, and Related Compounds

Sankar Mohan and B. Mario Pinto

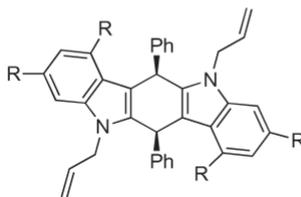


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2009, 74, 1137–1150

**Some Acid-Catalysed Reactions of Indol-3-yl and Indol-2-yl Disubstituted Methanols**

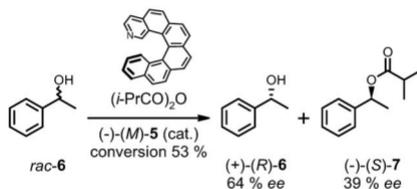
Mardi Santoso, Naresh Kumar and David StClair Black

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2009, 74, 1151–1159

**Organocatalysis with Azahelicenes: The First Use of Helically Chiral Pyridine-Based Catalysts in the Asymmetric Acyl Transfer Reaction**

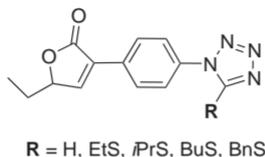
Michal Šámal, Jiří Míšek, Irena G. Stará and Ivo Starý

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2009, 74, 1161–1178

**Cytostatic Tetrazole–Butenolide Conjugates: Linking Tetrazole and Butenolide Rings via Stille Coupling and Biological Activity of the Target Substances**

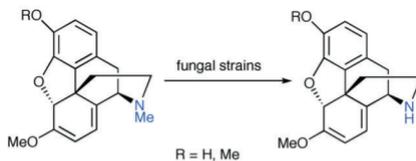
Vojtěch Balšánek, Lucie Tichotová, Jiří Kuneš, Marcel Špulák, Milan Pour, Ivan Votruba and Vladimír Buchta

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2009, 74, 1179–1193

**Biotransformations of Morphine Alkaloids by Fungi: N-Demethylations, Oxidations, and Reductions**

Vigi Chaudhary, Hannes Leisch, Alena Moudra, Blake Allen, Vincenzo De Luca, D. Phillip Cox and Tomáš Hudlický



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**2009, 74, 1195–1278**

**Chiral Aliphatic Hydroxy Compounds  
in Nature: A Review of Biological  
Functions and Practical Applications**

Tomáš Mozga, Zbyněk Prokop,  
Radka Chaloupková and Jiří Damborský

