



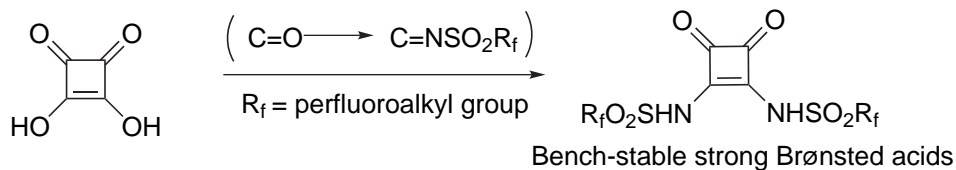
Tetrahedron Vol. 66, Issue 24, 2010

Contents

ARTICLES

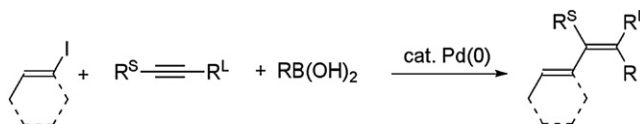
Development of *N,N*-bis(perfluoroalkanesulfonyl)squaramides as new strong Brønsted acids and their application to organic reactions pp 4257–4264

Cheol Hong Cheon, Hisashi Yamamoto*



Synthesis of highly substituted 1,3-dienes, 1,3,5-trienes, and 3,6-disubstituted cyclohexenes by the palladium-catalyzed coupling of organic halides, internal alkynes or 1,3-cyclohexadienes, and organoboranes pp 4265–4277

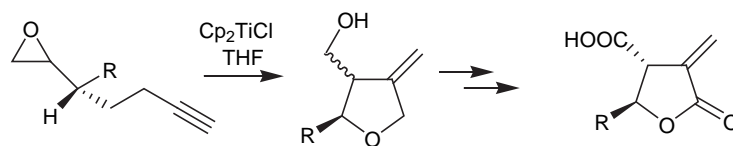
Xiaoxia Zhang, Richard C. Larock*



Titanocene (III) chloride mediated radical induced synthesis of (–)-methylenolactocin and (–)-protolichesterinic acid

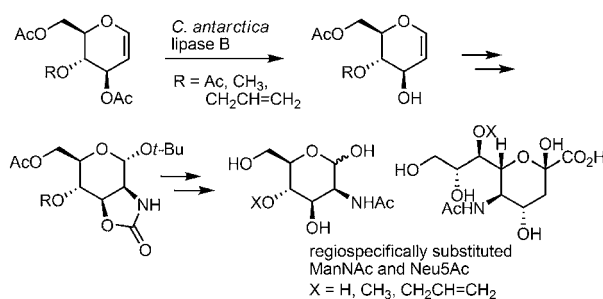
pp 4278–4283

Sumit Saha, Subhas C. Roy*

**1a**, R = C₅H₁₁, (–)-Methylenolactocin**1b**, R = C₁₃H₂₇, (–)-Protolichesterinic acid**New chemo-enzymatic route toward N-acetylneuraminic acid derivatives with alkyl groups at C-7 hydroxyl group**

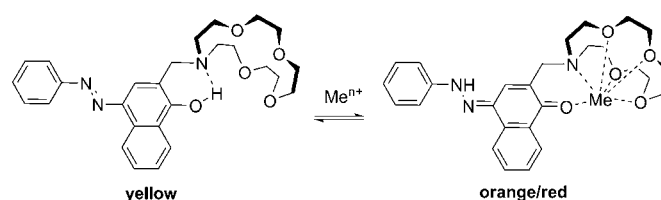
pp 4284–4291

Jordi Calveras, Yasuhito Nagai, Israt Sultana, Yuji Ueda, Toshinori Higashi, Mitsuru Shoji, Takeshi Sugai*

**Tautocrowns: a concept for a sensing molecule with an active side-arm**

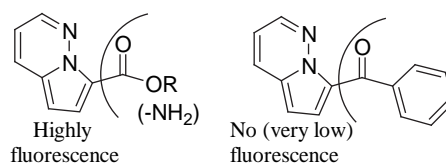
pp 4292–4297

Liudmil M. Antonov*, Vanya B. Kurteva*, Svilen P. Simeonov, Vera V. Deneva, Aurelien Crochet, Katharina M. Fromm

**Pyrrolo-diazine derivatives as blue organic luminophores: synthesis and properties. Part 3**

pp 4298–4306

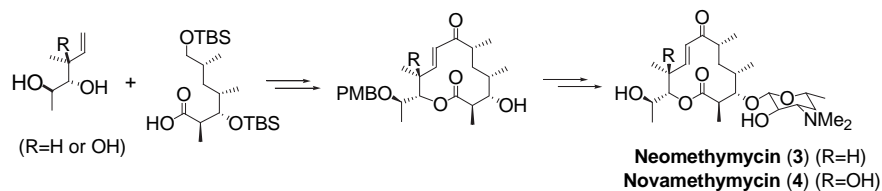
Gheorghita N. Zbancioc, Thomas Huhn, Ulrich Groth, Calin Deleanu, Ionel I. Mangalagiu*



Total synthesis of neomethymycin and novamethymycin

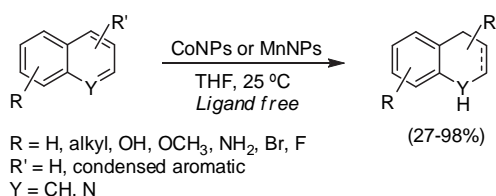
pp 4307–4317

Hong-Se Oh, Han-Young Kang*

**Reduction of polycyclic aromatic hydrocarbons promoted by cobalt or manganese nanoparticles**

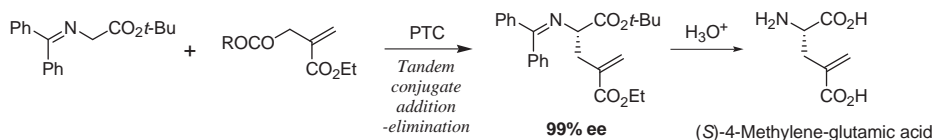
pp 4318–4325

Fabiana Nador, Yanina Moglie, Cristian Vitale, Miguel Yus, Francisco Alonso, Gabriel Radivoy*

**Enantioselective synthesis of (S)-4-methyleneglutamic acid via tandem conjugate addition–elimination under phase-transfer catalytic conditions**

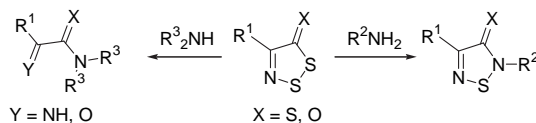
pp 4326–4329

Sukhoon Kang, Qinghua Shi, Min Woo Ha, Jin-Mo Ku, Maosheng Cheng, Byeong-Seon Jeong, Hyeung-geun Park*, Sang-sup Jew*

**Reactions of 4-substituted 5H-1,2,3-dithiazoles with primary and secondary amines: fast and convenient synthesis of 1,2,5-thiadiazoles, 2-iminothioacetamides and 2-oxoacetamides**

pp 4330–4338

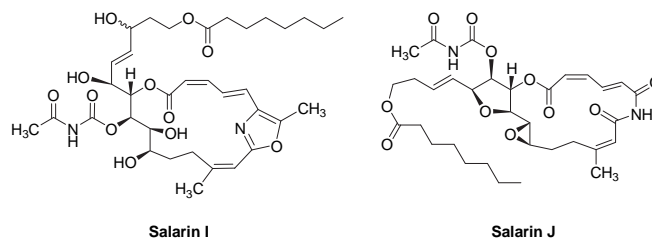
Lidia S. Konstantinova, Oleg I. Bol'shakov, Natalia V. Obruchnikova, Svetlana P. Golova, Yulia V. Nelyubina, Konstantin A. Lyssenko, Oleg A. Rakitin*



Salarins D–J, seven new nitrogenous macrolides from the madagascar sponge *Fascaplysinopsis* sp.

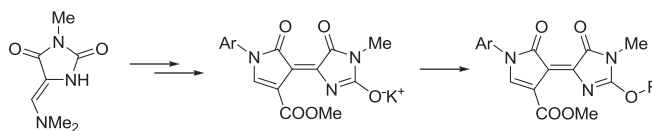
pp 4339–4345

Ashgan Bishara, Amira Rudi, Maurice Aknin, Drorit Neumann, Nathalie Ben-Califa, Yoel Kashman*

**Synthesis of 4-(2-hydroxy-1-methyl-5-oxo-1*H*-imidazol-4(5*H*)-ylidene)-5-oxo-1-aryl-4,5-dihydro-1*H*-pyrrole-3-carboxylates, a new triazafulvalene system**

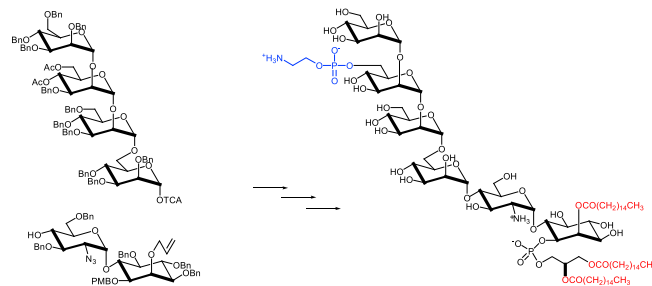
pp 4346–4356

Uroš Uršič, Jurij Svete, Branko Stanovnik*

**Total synthesis of the fully lipidated glycosylphosphatidylinositol (GPI) anchor of malarial parasite *Plasmodium falciparum***

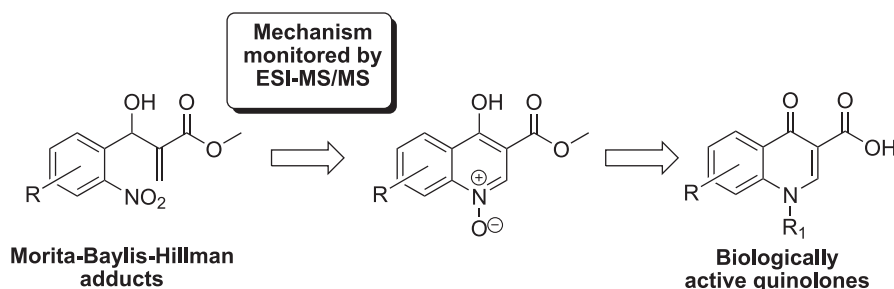
pp 4357–4369

Asif Ali, Ram A. Vishwakarma*

**Mechanism and synthesis of pharmacologically active quinolones from Morita–Baylis–Hillman adducts**

pp 4370–4376

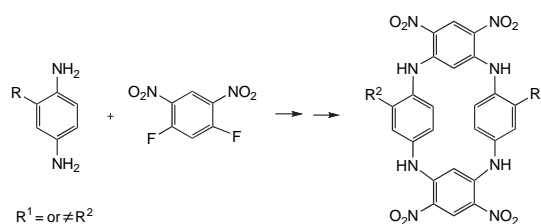
Giovanni W. Amarante, Mario Benassi, Robert N. Pascoal, Marcos N. Eberlin*, Fernando Coelho*



Unprecedented *N(H)*-bridged tetraaza[1.1.1.1]*m,p,m,p*-cyclophanes

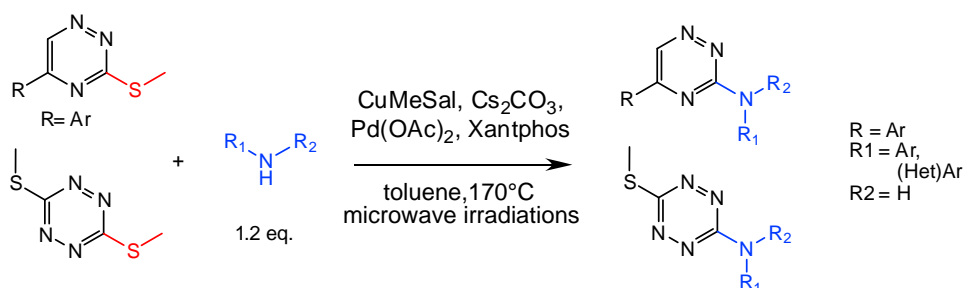
pp 4377–4382

Mounia Touil, Jean-Manuel Raimundo, Mohammed Lachkar, Philippe Marsal, Olivier Siri*

**New heteroaromatic aminations on 5-aryl-1,2,4-triazines and 1,2,4,5-tetrazines by palladium catalysis**

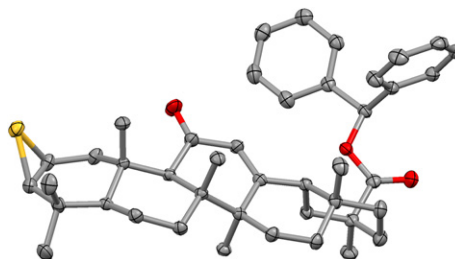
pp 4383–4389

Laurent Pellegatti, Emeline Vedrenne, Jean-Michel Leger, Christian Jarry, Sylvain Routier*


**Synthesis and crystal structures of ring A modified glycyrrhetic acid derivatives derived from 2,3-oxirane and 2,3-thiirane intermediates**

pp 4390–4402

Hassan Amer, Kurt Mereiter, Christian Stanetty, Andreas Hofinger, Laszlo Czollner, Igor Beseda, Ulrich Jordis, Bernhard Kuenburg, Dirk Claßen-Houben, Paul Kosma*



*Corresponding author

 Supplementary data available via ScienceDirect



Full text of this journal is available, on-line from **ScienceDirect**. Visit www.sciencedirect.com for more information.

Abstracted/indexed in: AGRICOLA, Beilstein, BIOSIS Previews, CAB Abstracts, Chemical Abstracts, Current Contents: Life Sciences, Current Contents: Physical, Chemical and Earth Sciences, Current Contents Search, Derwent Drug File, Ei compendex, EMBASE/Excerpta Medica, Medline, PASCAL, Research Alert, Science Citation Index, SciSearch. Also covered in the abstract and citation database SCOPUS[®]. Full text available on ScienceDirect[®]



ELSEVIER

ISSN 0040-4020