

Tetrahedron Letters Vol. 51, No. 19, 2010

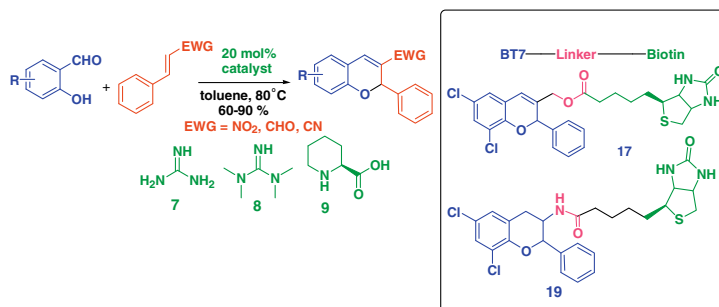
Contents

COMMUNICATIONS

Synthesis of function-oriented 2-phenyl-2H-chromene derivatives using L-pipecolic acid and substituted guanidine organocatalysts

pp 2567–2570

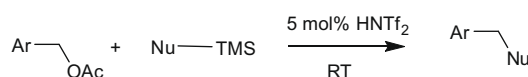
Bhaskar C. Das*, Seetaram Mohapatra, Philip D. Campbell, Sabita Nayak, Sakkarapalayam M. Mahalingam, Todd Evans*



Trialkylsilyl triflimides as easily tunable organocatalysts for allylation and benzylation of silyl carbon nucleophiles with non-genotoxic reagents

pp 2571–2575

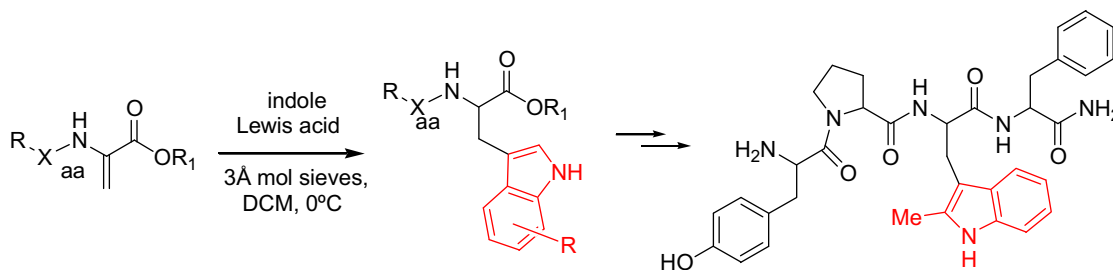
Oscar Mendoza, Guy Rossey, Léon Ghosez*



A simple route towards peptide analogues containing substituted (S)- or (R)-tryptophans

pp 2576–2579

Luca Gentilucci*, Lucia Cerisoli, Rossella De Marco, Alessandra Tolomelli



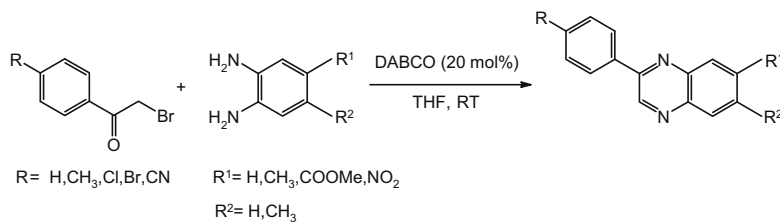
Dipeptides containing substituted (S)- or (R)-Trp were obtained by F-C alkylation of indoles with dipeptides Xaa-Dha. As a preliminary application, we prepared endomorphin-1 (H-Tyr-Pro-Trp-PheNH₂) analogues with 2-MeTrp in position 3.



A mild and convenient synthesis of quinoxalines via cyclization–oxidation process using DABCO as catalyst

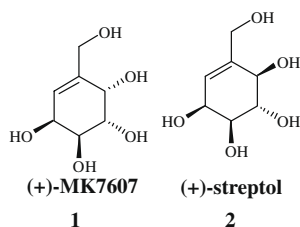
pp 2580–2585

H. M. Meshram*, G. Santosh Kumar, P. Ramesh, B. Chennakesava Reddy

**Sequential Baylis–Hillman/RCM protocol for the stereoselective synthesis of (+)-MK7607 and (+)-streptol**

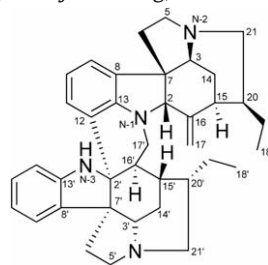
pp 2586–2588

Palakodety Radha Krishna*, Raghu Ram Kadiyala

**Bisleucocurine A, a novel bisindole alkaloid from *Leuconotis griffithii***

pp 2589–2592

Alfarius E. Nugroho, Yusuke Hirasawa, Takahiro Hosoya, Khalijah Awang, A. Hamid A. Hadi, Hiroshi Morita*



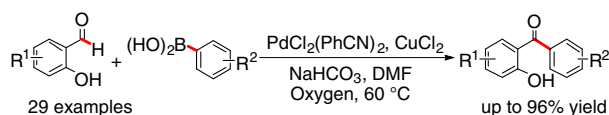
bisleucocurine A (1)

A novel bisindole alkaloid, bisleucocurine A (1), consisting of two strychnan skeletons with an N-1–C-17' and a C-12–C-2' bridges was isolated from the leaves of *Leuconotis griffithii* and the structure was elucidated on the basis of spectroscopic data. Bisleucocurine A (1) showed cytotoxicity against various human cancer cell lines.

Direct C–H bond arylation of 2-hydroxybenzaldehydes with arylboronic acids via ligand-free palladium catalysis

pp 2593–2596

Fei Weng, Chengming Wang, Bin Xu*



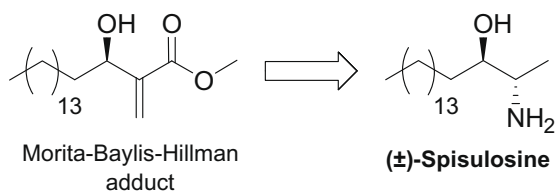
A mild and efficient ligand-free palladium-catalyzed direct C–H bond arylation reaction was developed to afford 2-hydroxybenzophenones in good to excellent yields from easily available 2-hydroxybenzaldehydes and arylboronic acids. The given reaction provided one of the easiest pathways for accessing 2-hydroxybenzophenones, and a variety of functional groups could be tolerated in this process.



Highly diastereoselective total synthesis of the anti-tumoral agent (±)-Spisulosine (ES285) from a Morita–Baylis–Hillman adduct

pp 2597–2599

Giovanni W. Amarante, Mayra Cavallaro, Fernando Coelho*

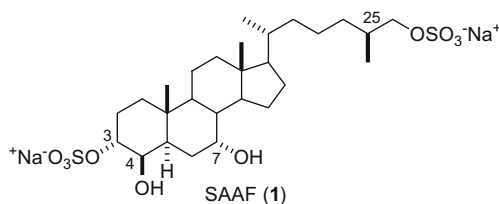


A new approach for the highly diastereoselective total synthesis of the anti-tumoral agent (±)-Spisulosine is described. The synthesis is based on an acyloin that is easily prepared from a Morita–Baylis–Hillman adduct.

Second-generation synthesis of endogenous sperm-activating and attracting factor (SAAF) isolated from the ascidian *Ciona intestinalis*

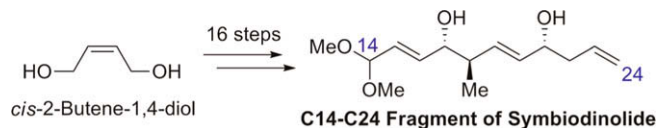
pp 2600–2602

Tohru Oishi*, Kouichiro Ootou, Hajime Shibata, Michio Murata

**Stereoselective synthesis of the C14–C24 degraded fragment of symbiodinolide**

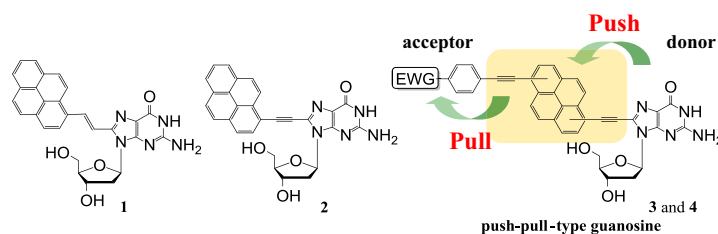
pp 2603–2605

Hiroyoshi Takamura*, Yuichiro Kadonaga, Isao Kadota*, Daisuke Uemura

**Synthesis of novel push–pull-type solvatochromic 2'-deoxyguanosine derivatives with longer wavelength emission**

pp 2606–2609

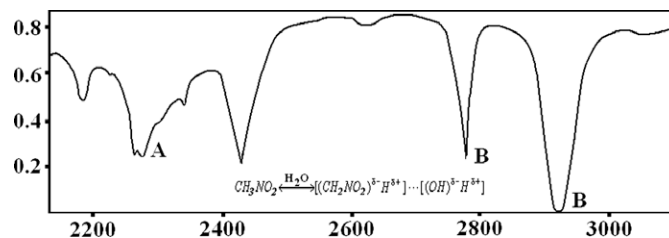
Yoshio Saito*, Azusa Suzuki, Kazutoshi Imai, Nobukatsu Nemoto, Isao Saito*



Water complexes with organic solvents in liquid phase. An IR spectroscopic study

pp 2610–2612

I. I. Greenwald, I. Yu. Kalagaev*

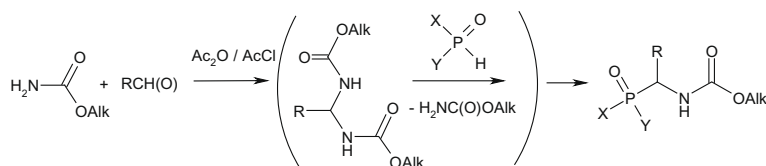


An IR spectroscopic investigation indicates the formation of water complexes with organic solvents such as hexafluorobenzene, nitromethane, acetonitrile, and carbon tetrachloride. The IR bands in the 3000–2400 cm^{-1} region can be assigned to OH-stretching vibrations of an H_2O molecule in complexes with solvents in the liquid phase.

New opinions on the amidoalkylation of hydrophosphorylic compounds

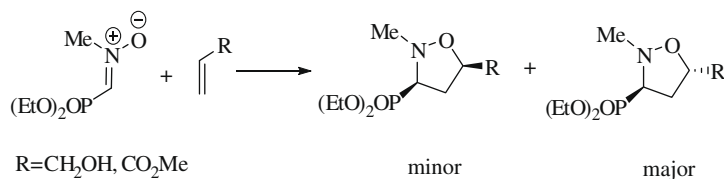
pp 2613–2616

Maxim E. Dmitriev, Valery V. Ragulin*

**A theoretical investigation of the regio- and stereoselectivities of the 1,3-dipolar cycloaddition of C-diethoxyphosphoryl-N-methylnitrene with substituted alkenes**

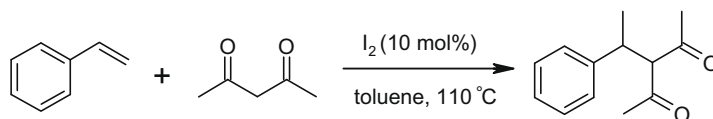
pp 2617–2621

Abdelmalek Khorief Nacereddine*, Wassila Yahia, Samir Bouacha, Abdelhafid Djerourou

**Iodine as a versatile catalyst for the hydroalkylation of vinyl arenes with 1,3-diketones**

pp 2622–2624

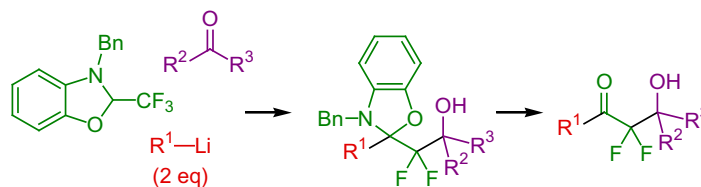
J. S. Yadav*, B. V. Subba Reddy, T. Srinivasa Rao, K. Bhavani, A. Raju



A rapid and convergent synthesis of α,α -difluoro- β -hydroxyketones through regiospecific defluorinative alkylation reaction

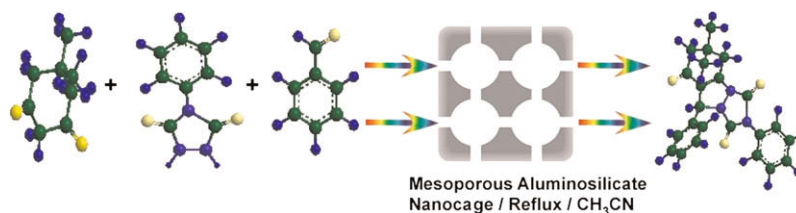
pp 2625–2628

Hikaru Yanai, Tatsunori Ichikawa, Takeo Taguchi*

**Synthesis of triazolo indazolones using 3D mesoporous aluminosilicate catalyst with nanocage structure**

pp 2629–2632

M. Adharvana Chari, G. Karthikeyan, A. Pandurangan, T. Siddulu Naidu, B. Sathyaseelan, S. M. Javaid Zaidi, A. Vinu*

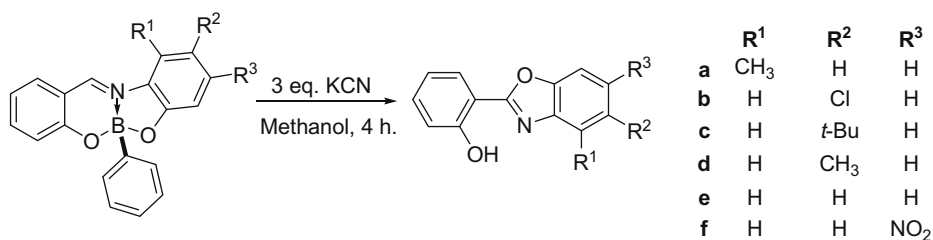


Mesoporous aluminosilicate (AIKIT-5) has been found to be an efficient catalyst for one pot synthesis of triazolo[1,2-*a*]indazole-1,3,8-trione derivatives from dimesone, urazole, and aromatic aldehydes using acetonitrile as a solvent. This new method is simple, effective, ecofriendly, and consistently has the advantage of excellent yields (80–96%) and short reaction time (30–60 min). The effect of the catalyst weight, aluminum content in the catalyst, and the solvents on the synthesis of triazolo[1,2-*a*]indazole-1,3,8-trione derivatives has been investigated. It has been found that the catalyst can be recycled for several times without much affecting its activity for a variety of organic transformations.

An efficient potassium cyanide-promoted synthesis of 2-arylbenzoxazoles from [4.3.0]boron heterobicycles

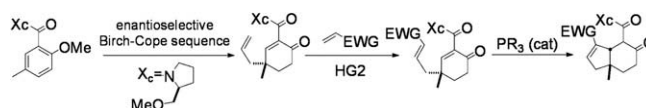
pp 2633–2635

Heraclio López-Ruiz*, Horacio Briseño-Ortega, Susana Rojas-Lima, Rosa Santillán, Norberto Farfán

**Enantioselective synthesis of bicarbocyclic structures with an all-carbon quaternary stereocenter through sequential cross metathesis and intramolecular Rauht–Currier reaction**

pp 2636–2638

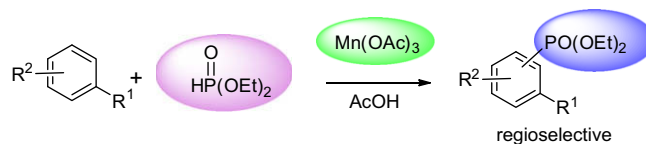
Yuan Qiao, Sanjeev Kumar, William P. Malachowski*



Manganese(III)-mediated direct phosphorylation of arenes

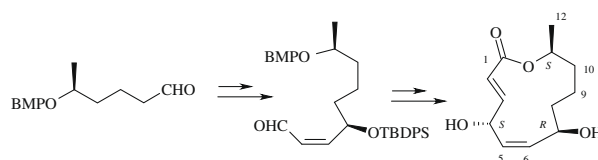
pp 2639–2643

Wei Xu, Jian-Ping Zou*, Wei Zhang*

**Asymmetric synthesis of (+)-chloriolide**

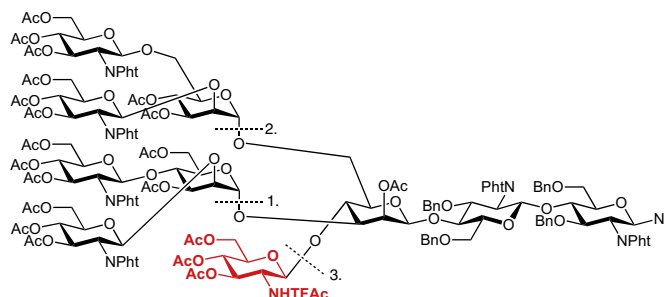
pp 2644–2647

Tapas Das, Nandan Jana, Samik Nanda*

**Convenient introduction of a bisecting GlcNAc residue into multiantennary N-glycans as the ultimate residue**

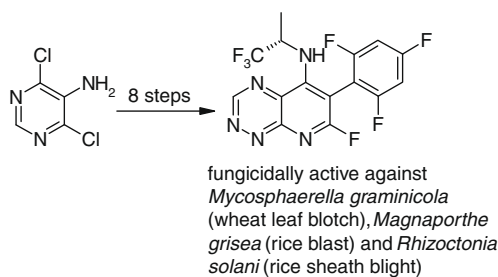
pp 2648–2651

Steffen Eller, Claudia Raps, Mathäus Niemiets, Carlo Unverzagt*

**Niemetowski-type synthesis of pyrido[3,2-*e*][1,2,4]triazines: potent *aza*-analogs of pyrido[2,3-*b*]pyrazine fungicides**

pp 2652–2654

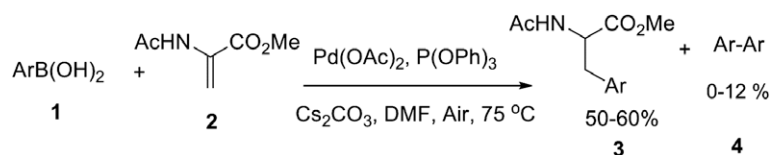
Patrick J. Crowley, Clemens Lamberth*, Urs Müller, Sebastian Wendeborn, Olivia-A. Sageot, John Williams, Alexander Bartovič



Synthesis of unnatural amino acid derivatives via palladium-catalyzed 1,4-addition of boronic acids

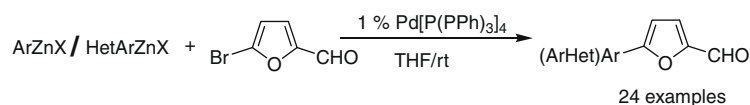
pp 2655–2656

Devalina Ray, Abijah M. Nyong, Amarnath Natarajan*

**A convenient synthesis of 5-aryl- and 5-heteroaryl-2-furaldehydes by the cross-coupling reaction of organozincs**

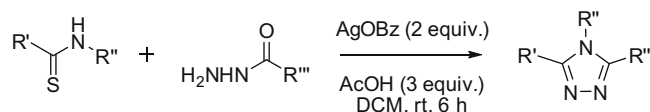
pp 2657–2659

Seung-Hoi Kim, Reuben D. Rieke*

**Multi-gram scale mercury-free synthesis of optically pure 3,4,5-trisubstituted 1,2,4-triazoles using silver benzoate**

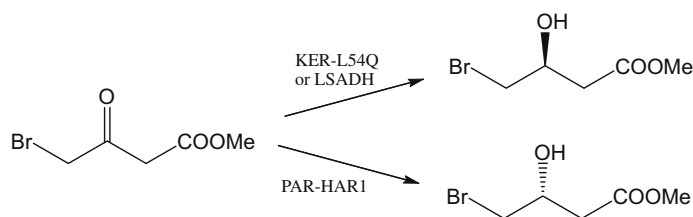
pp 2660–2663

Mathieu Bibian, Anne-Laure Blayo, Aline Moulin, Jean Martinez, Jean-Alain Fehrentz*

**Biocatalytic reduction system for the production of chiral methyl (R)/(S)-4-bromo-3-hydroxybutyrate**


pp 2664–2666

Hiroyuki Asako*, Masatoshi Shimizu, Yoshihide Makino, Nobuya Itoh



OTHER CONTENTS**Corrigenda****pp 2667–2671**

*Corresponding author

 Supplementary data available via ScienceDirect**COVER**

The cover figure shows a safe and convenient method of benzylation and allylation of trialkylsilyl enol ethers and allyltrialkylsilanes. The reaction rests upon the activation of the non-genotoxic benzyl and allylacetates by *in situ* generated trialkylsilyl triflimides.

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