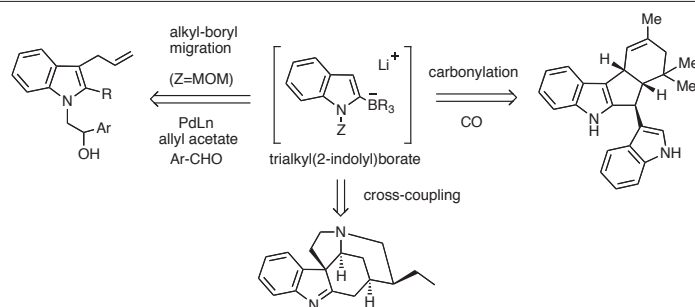


■ REVIEWS

247 Development of Trialkyl(2-indolyl)borates as Potential Synthetic Intermediates

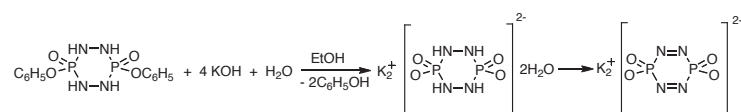
Minoru Ishikura*



Indolylborate Cross-Coupling Reaction Intramolecular Alkyl Migration Indole Alkaloid Boron

275 Synthesis, Properties and Structures of Phosphorus-Nitrogen Heterocycles

Vasile Simulescu,* Eleonora Crasmareanu, and Gheorghe Iliu

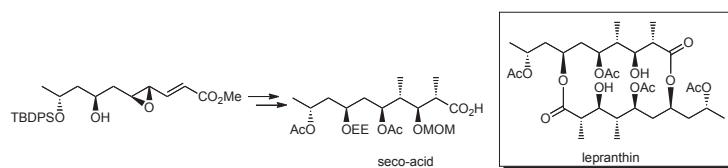


Heterocycle Phosphorus Nitrogen Hydrazine Derivative Cyclophosphazene

■ COMMUNICATION

293 Synthetic Studies of Lepranthin, a Lichen-Produced Dimeric Macrolide. Stereoselective Synthesis of a Seco-Acid Based on Stereospecific Epoxide-Opening Reactions

Hisashi Takada, Shinji Nagumo,* Eiko Yasui, Megumi Mizukami, and Masaaki Miyashita*

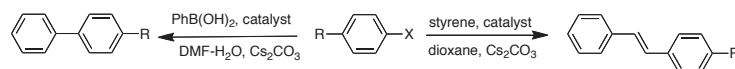


Lepranthin Dimeric Macrolide Stereoselective Synthesis Seco-Acid Epoxide-Opening Reaction

■ PAPERS

299 The Synthesis of Novel Palladium(II) Carbene Complexes, Azolium Salts and Their Catalytic Properties

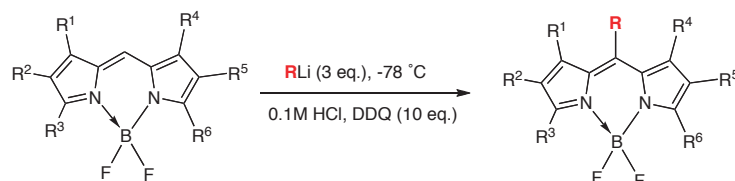
Beyhan Yiğit, Murat Yiğit,* İsmail Özdemir, and Engin Çetinkaya



Heck and Suzuki Reactions Azolium Salt Catalyst Palladium Complex Carbene

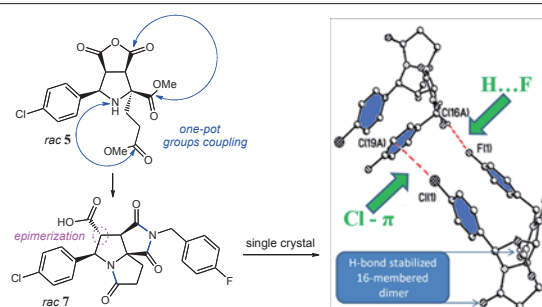
311 Investigations into the Nucleophilic *meso*-Substitution of *F*-BODIPYs and Improvements to the Synthesis of 4,4-Difluoro-4-bora-3a,4a-diaza-*s*-indacene

Sarah M. Crawford and Alison Thompson*


 BODIPY *meso*-Modification Parent BODIPY

323 Efficient Synthesis of Functionalized Diazacyclopenta-[c]pentalene with Multiple Intermolecular Interactions in Crystal

Konstantin V. Kudryavtsev*

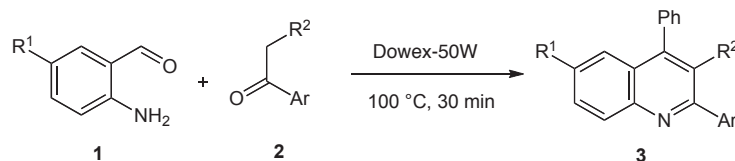


Azomethine Ylide 1,3-Dipolar Cycloaddition Annulation Non-Aromatic Polycyclic Compound Organocatalysis

■ SHORT PAPERS

331 Dowex-50W Promoted Friedländer Synthesis of Substituted Quinolines under Solvent-Free Conditions

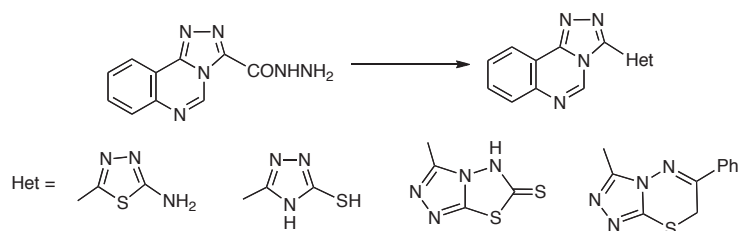
Huey-Min Wang,* Rei-Sheu Hou, Hau-Dung Du, Iou-Jiun Kang, and Ling-Ching Chen*


 a R¹ = H
 b R¹ = Cl

Substituted Quinoline Dowex-50W Friedländer Reaction Cyclodehydration

339 Synthesis and Reactions of a New Series of 1,2,4-Triazolo[4,3-*c*]quinazolines

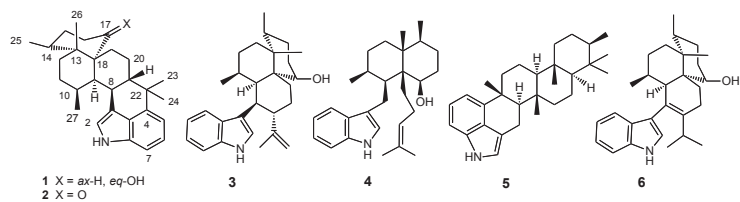
Kamal F. M. Atta,* Mohamed G. Marei, and Fatma A. M. Mohamed



1,2,4-Triazolo[4,3-*c*]quinazolin-3-carbohydrazide Hydrazinecarbothioamide

351 New Type Indole Diterpene, Eujindoles, from *Eupenicillium javanicum*

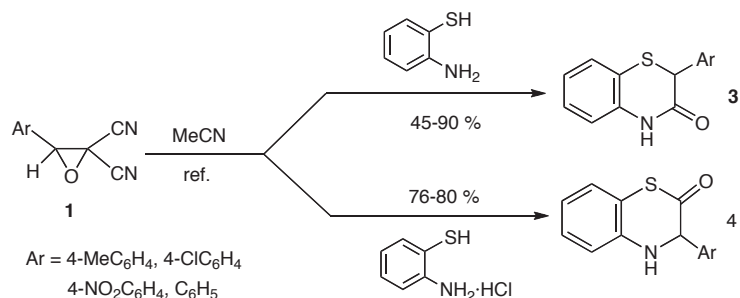
Shou Nakadate, Kohei Nozawa,* Hitoshi Horie, Yuichi Fujii, and Takashi Yaguchi



Eupenicillium javanicum Indole Diterpene Eujindole Nominine Aflavinine

357 Regio-Controlled Synthesis of 1,4-Benzothiazinones

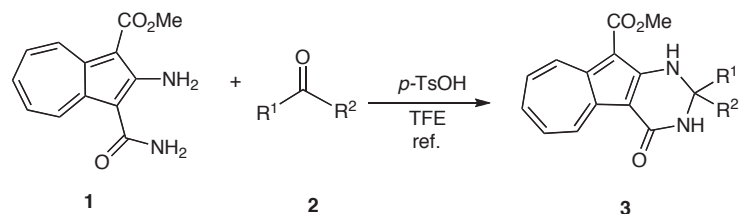
Touria Ghailane, Mohammed Saadouni, Said Boukhris, Nouzha Habbadi, Amina Hassikou, Abdelali Kerbal, Bernard Garrigues, and Abdelaziz Souizi*



Gem-dicyanoepoxide 2-Aminobenzenethiol 1,4-Benzothiazin-2-one 1,4-Benzothiazin-3-one

365 A Facile Synthesis of 2-Substituted 2,3-Dihydro-4(1*H*)-azuleno[1,2-*d*]pyrimidinones

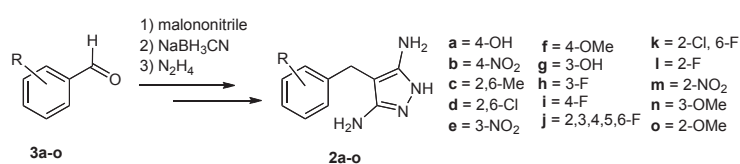
Dao-Lin Wang,* Yuan-Feng Li, Jiao Xu, Wei Li, Shao-Fei Li, and Li-Nan Lin



Azulene Azuleno[2,1-*d*]pyrimidinone Trifluoroethanol Fluorous Solvent

371 The Synthesis of Some Derivatives Based on the 4-Benzyl-1*H*-pyrazole-3,5-diamine Core

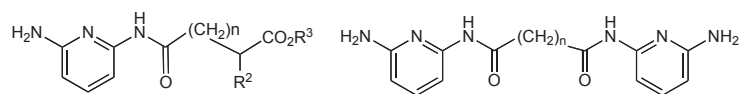
Lukáš Jedinák, Vladimír Kryštof, and Petr Cankař*



Knoevenagel Condensation Olefin Reduction CDK Hydrazine Cycloaddition Pyrazole-3,5-diamine

385 Synthesis and Biological Activities of Some *N*-Acyl-2,6-diaminopyridines and Related Linker Mode Identical Twin Drugs

Nobuko Mibu, Kazumi Yokomizo, Miyuki Saisho, Marumi Oishi, Hatsumi Aki, Takeshi Miyata, and Kunihiro Sumoto*



	n	R ²	R ³
3	1	H	H
4	2	H	H
5	1	(CH ₂) ₁₁ Me	H
6	1	H	CH ₂ CH(<i>n</i> -C ₈ H ₁₇) ₂

7 n=3
8 n=4

2,6-Diaminopyridine *N*-Acylation Twin Drug Anti-Herpes Simplex Virus Type Cytotoxicity

■ NEW HETEROCYCLIC NATURAL PRODUCTS

- 395 Polyketides
- 397 Aromatics
- 403 Terpenes
- 413 Steroids
- 417 Alkaloids
- 428 Miscellaneous

TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 431 Polyketides
- 436 Aromatics
- 438 Terpene
- 439 Alkaloids
- 445 Miscellaneous

Contributors To This Issue

385 Aki, Hatsumi
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 331 Hou, Rei-Sheu
 275 Ilia, Gheorghe
 247 Ishikura, Minoru
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 385 Yokomizo, Kazumi