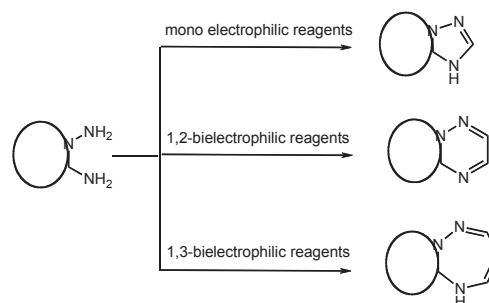


■ REVIEW

1125 Heterocyclization with Some Heterocyclic Diamines: Synthetic Approaches for Nitrogen Bridgehead Heterocyclic Systems

Magdy A. Ibrahim* and Nasser M. El-Gohary

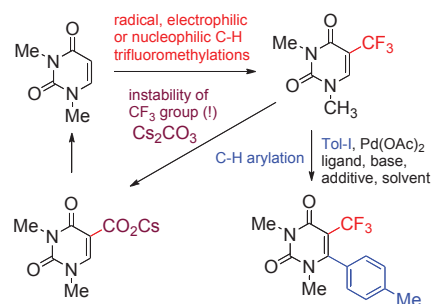


Heterocyclization Reaction Heterocyclic Diamine Nitrogen Bridgehead Heterocyclic System Electrophilic Reagent

■ PAPERS

1159 C-H Trifluoromethylations of 1,3-Dimethyluracil and Reactivity of the Products in C-H Arylations

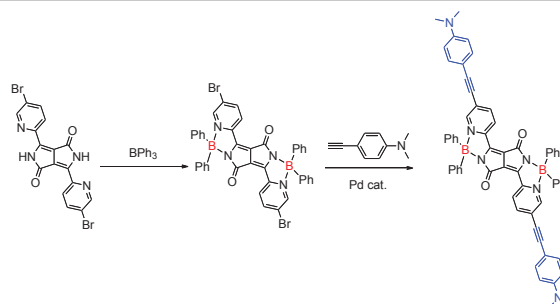
Miroslava Čerňová, Radek Pohl, Blanka Klepetářová, and Michal Hocek*



Pyrimidine Trifluoromethylation C-H Activation

1173 Synthesis and Photophysical Properties of Diketopyrrolopyrrole-Based Near-Infrared Dyes

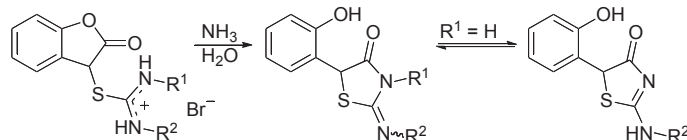
Takuya Yamagata, Junpei Kuwabara, and Takaki Kanbara*



Diketopyrrolopyrrole Boron Complex Emission Near-Infrared Dye

1183 Ring Transformation of the *S*-(2-Oxo-2,3-dihydro-1-benzofuran-3-yl)isothiuronium Bromides to 5-(2-Hydroxyphenyl)-2-imino-1,3-thiazolidin-4-ones

Richard Kammel and Jiří Hanusek*

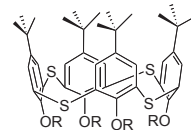


a: $R^1, R^2 = H$; b: $R^1 = H, R^2 = Me$; c: $R^1 = H, R^2 = CH(Me)_2$; d: $R^1 = H, R^2 = C(Me)_3$;
 e: $R^1 = H, R^2 = C_6H_5$; f: $R^1 = H, R^2 = 4-MeOC_6H_4$; g: $R^1 = H, R^2 = 4-MeC_6H_4$; h: $R^1 = H,$
 $R^2 = 4-BrC_6H_4$; i: $R^1 = H, R^2 = 2-C_5H_4N$; j: $R^1, R^2 = Me$; k: $R^1, R^2 = C_6H_5$; l: $R^1 = Me,$
 $R^2 = 4-MeOC_6H_4$; m: $R^1 - R^2 = CH_2CH_2$.

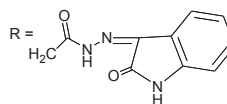
2-Iminothiazolidin-4-one Isothiuronium Salt Rearrangement Tautomerism Thermochromism

1195 Synthesis and Characterization of Di- and Tetrasubstituted *p*-*tert*-Butylthiacalix[4]arenes Containing Isatin Moiety at the Lower Rim

Siham Abd elrahman Lahsasni and Omran Abdellah Omran*


 R = H, CH₂CO₂Et

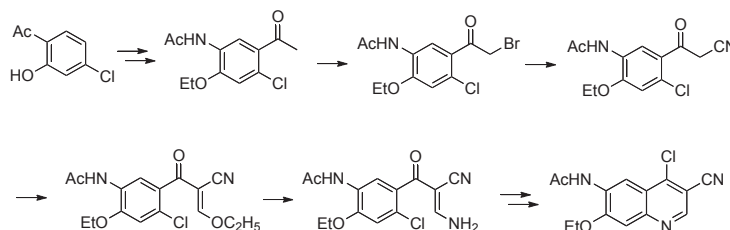
or,



p-*tert*-Butylthiacalix[4]arene Isatin Alkylation Synthesis Conformer

SHORT PAPERS
1203 New Synthesis of *N*-(4-Chloro-3-cyano-7-ethoxyquinolin-6-yl)acetamide

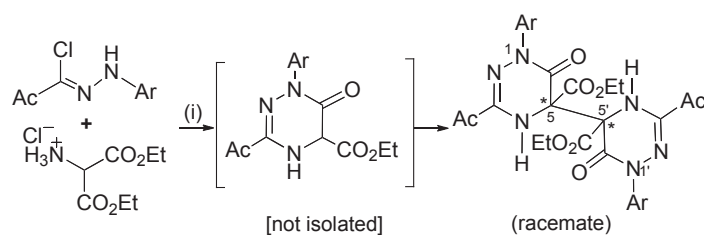
Yongjun Mao, Yang He, Fuqiang Zhu, Weiming Chen, Jingshan Shen, and Jianfeng Li*



N-(4-Chloro-3-cyano-7-ethoxyquinolin-6-yl)acetamide Organic Process EGFR Inhibitor Anticancer Agent

1211 A Facile One-Pot Synthesis of Model Diethyl 6,6'-Dioxotetrahydro-5,5'-bi(1,2,4-triazine)-5,5'-dicarboxylates

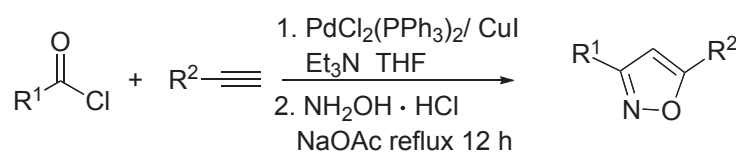
Mustafa M. El-Abadlah,* Hanan H. Mohammed, Mohammed M. Abadleh, Salim S. Sabri, and Firas F. Awwadi


 (i) NEt₃, EtOH / 0-2 °C, 2 h; then rt, 10 h. [Ar = ~C₆H₄Cl(*p*); ~C₆H₄Br(*p*)]

Nitrile Imine Diethyl Aminomalonate Tetrahydro-5,5'-bi(1,2,4-triazine)-5,5'-dicarboxylate Stereospecific Reaction X-Ray Analysis

1221 One-Pot Three-Component Synthesis of 3,5-Disubstituted Isoxazoles by a Coupling–Cyclocondensation Sequence

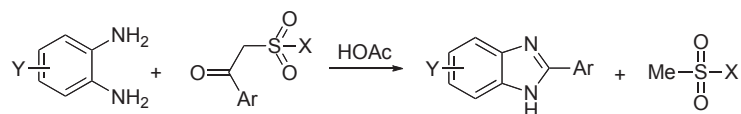
Hai-Ling Liu,* Zhu-Feng Geng, Si-Yu Zhang, and Jie Han



One-Pot Synthesis Isoxazole Ynone Hydroxylamine

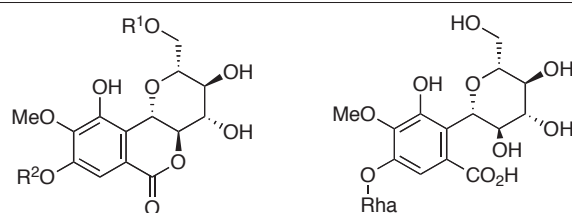
1229 Synthesis of 2-Arylbenzimidazole Analogues

Meng-Yang Chang,* Chieh-Kai Chan, and Yi-Chia Chen


 2-Arylbenzimidazole 1,2-Diaminobenzene β -Ketosulfone Condensation Reaction Pharmacophore

1237 New Gallic Acid Glycosides from *Mallotus plicatus*

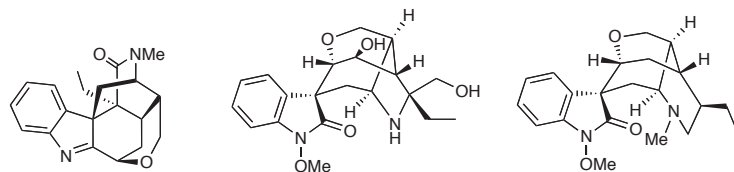
Kongsin Luangruangrong, Boonchoo Sritularak, Vimolmas Lipipun, and Kittisak Likhitwitayawuid*


 $R^1 = \text{H, Ac}$
 $R^2 = \text{Rha, H}$
 Rha = α -L-rhamnose

Mallotus plicatus Gallic Acid Herpes Simplex Glycoside

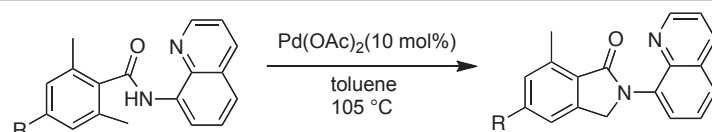
1245 New Monoterpenoid Indole Alkaloids from *Gelsemium elegans*

Wei Zhang, Sheng-Yuan Zhang, Zhi-Qi Yin, Lei Wang,* and Wen-Cai Ye*


Gelsemium elegans Monoterpenoid Indole Alkaloid

1255 Isoindolone Synthesis via Intramolecular Coupling of Benzylic C-H Bonds with Amide N-H Bonds

Ming Zhang,* Tianbao Chen, and Qinhua Liu


 $R = \text{Me}$
 $R = \text{H}$
 $R = \text{Br}$
 $R = \text{F}$
 $R = \text{Me, 98\%}^a$
 $R = \text{H, 90\%}^a$
 $R = \text{Br, 95\%}^a$
 $R = \text{F, 92\%}^a$
^aIsolated yield.

Amination Reaction Lactam Coupling Reaction Palladium Catalyst Cyclization Reaction

■ NEW HETEROCYCLIC NATURAL PRODUCTS

- 1261 Polyketides
 - 1264 Aromatics
 - 1272 Terpenes
 - 1296 Steroids
 - 1302 Alkaloids
-

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 1313 Polyketides
 - 1317 Aromatics
 - 1324 Terpenes
 - 1326 Alkaloids
-

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 1245 Yin, Zhi-Qi
 1255 Zhang, Ming
 1245 Zhang, Sheng-Yuan
 1221 Zhang, Si-Yu
 1245 Zhang, Wei
 1203 Zhu, Fuqiang