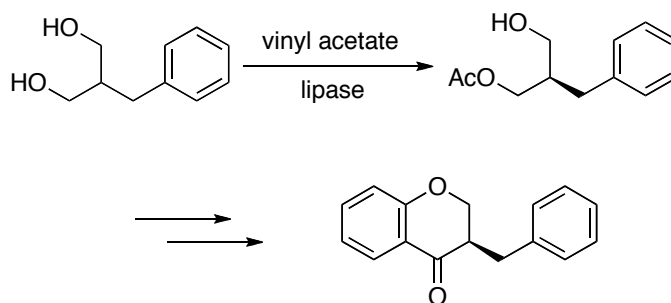


■ COMMUNICATION

761 **Asymmetric Synthesis of Homoisoflavanone Using Lipase-catalyzed Reaction**

Tadashi Kometani, Shigeki Kawabata, Hiroko Kakuda, Michimasa Goto, Akira Tanaka, Yoshinori Matsui, Naoki Toyooka, and Masashi Kawasaki\*

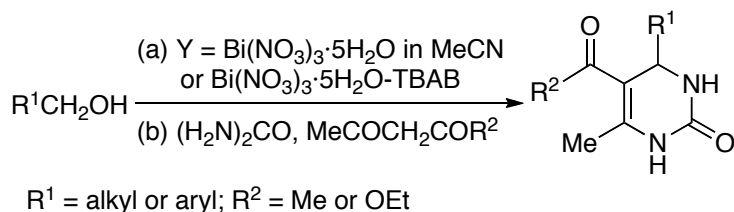


Homoisoflavanone    Asymmetric Synthesis    Lipase    Transesterification    Hydrolysis

■ PAPERS

767 **A One-Pot Synthesis of 3,4-Dihydropyrimidin-2-(1*H*)-ones from Primary Alcohols Promoted by  $\text{Bi}(\text{NO}_3)_3 \cdot 5\text{H}_2\text{O}$  in Two Different Media: Organic Solvent and Ionic Liquid**

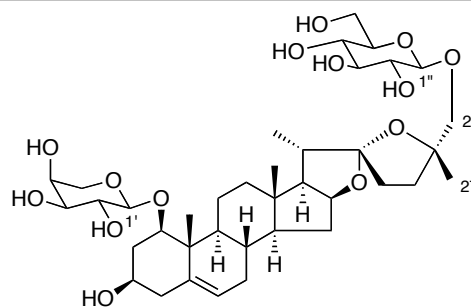
Mahbubeh Jokar, Mojtaba Beygzadeh, Mohamm M. Khodaei, Ahmad R. Khosropour, and Ahmad Reza Khosropour\*



Oxidation-Cyclocondensation    Dihydropyrimidinone    Alcohol    One-Pot Reaction     $\text{Bi}(\text{NO}_3)_3 \cdot 5\text{H}_2\text{O}$

775 **Four New Steroidal Saponins from the Rhizomes of *Helleborus orientalis***

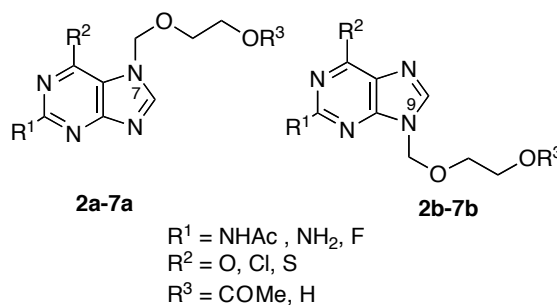
Hiroshi Sakagami, Kazuki Watanabe, and Yoshihiro Mimaki\*



*Helleborus orientalis*    Ranunculaceae    Steroidal Saponin    Cytotoxic Activity

787 **Synthesis and Comparative Cytostatic Activity of the New N-7 Acyclic Purine Nucleoside Analogues with Natural N-9 Regioisomers**

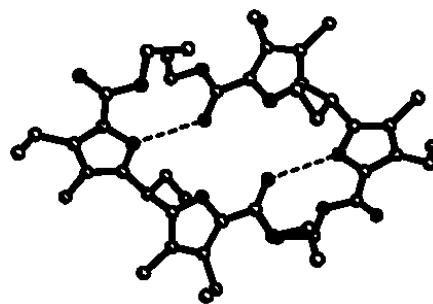
Mladen Mintas, Erik De Clercq, Kresimir Pavelic, Mira Grdisa, Blanka Kalokira, Sijetlana Prekupec, and Silvana Raic-Malic\*



Acyclic Nucleoside    Purine    Alkylation    N-7 and N-9 Regioisomer    Cytostatic Activity

797 **Hydrogen Bonding and Conformation of 5-Substituted Dipyrromethanes — A Solid State Study**

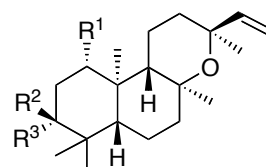
Mathias O. Senge\*



Pyrrrole    Crystal Structure    Dipyrromethane    Conformation    Hydrogen Bonding

809 **New Labdane-Type Diterpenoids from *Croton oblongifolius* and Their Cytotoxic Activity**

Toshiko Watanabe, Masatoshi Kawahata, Sophon Roengsumran, Songchan Puthong, Narongsak Chaichit, Nongnuj Muangsin, Pagorn Taweechoitipatr, Amorn Petsom, Chaiyo Chaichantipyuth, and Tsutomu Ishikawa\*

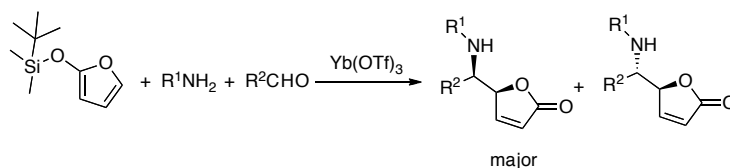


$R^1=H; R^2+R^3=O$   
 $R^1=R^3=H; R^2=OH$   
 $R^1=OH; R^2+R^3=O$   
 $R^1=R^2=OH; R^3=H$

*Croton oblongifolius*    Labdane Diterpenoid    Structure Determination    X-Ray Crystallographic Analysis    Cytotoxic Activity

823 **Yb(OTf)<sub>3</sub>-catalyzed Vinylogous Mannich Reaction of Trialkylsilyloxyfuran**

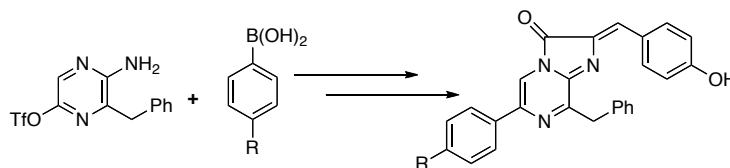
Bruno Dudot, Sylvain Oudeyer, and Jacques Royer\*



Vinylogous Mannich Reaction    Trialkylsilyloxyfuran    Ytterbium Triflate Catalyst    One-Pot Three-Component Reaction

843 **Novel Synthetic Route of Coelenterazines -2-: Synthesis of Various Dehydrocoelenterazine Analogs**

Nopporn Thasana, Thumnoon Mutarapat, Masaki Kuse, Nobuhiro Kondo, and Minoru Isobe\*

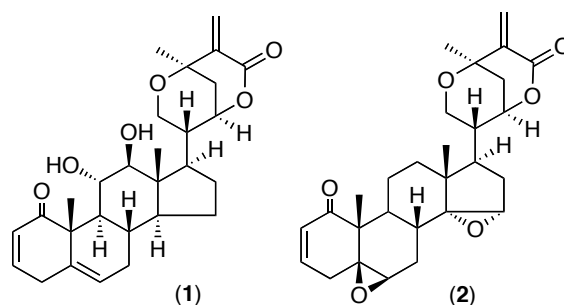


Symplectin    Aminopyrazine Triflate    Suzuki-Miyaura Coupling    Dehydrocoelenterazine    Sonogashira Coupling

## ■ NOTES

 857 Withanolides from *Datura innoxia*

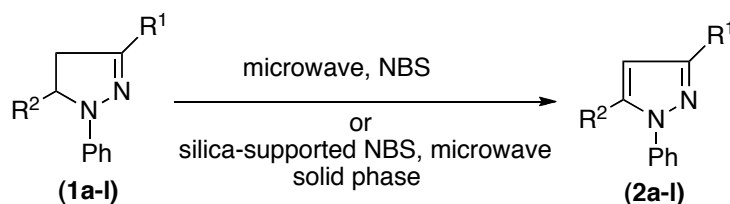
Sabira Begum, Farhana Afshan, Shamsul Arfeen,  
and Bina S. Siddiqui\*



Witharifeen    Daturalicin

 865 Microwave-assisted Aromatization of 1,3,5-Trisubstituted 2-Pyrazolines by Silica-supported *N*-Bromosuccinimide as a Useful Reagent under Solvent Free 'Dry' Condition

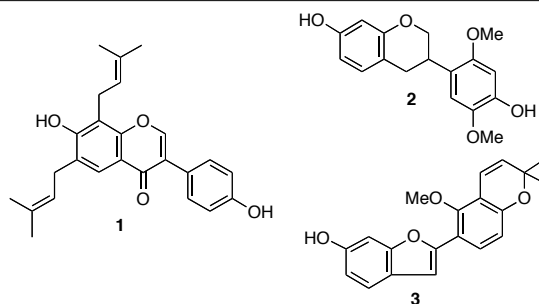
Behrooz Maleki and Davood Azarifar\*



Pyrazoline    Pyrazole    Aromatization    Silica-supported Reaction

 871 Two New Isoflavonoids and a New 2-Arylbenzofuran from the Roots of *Erythrina variegata*

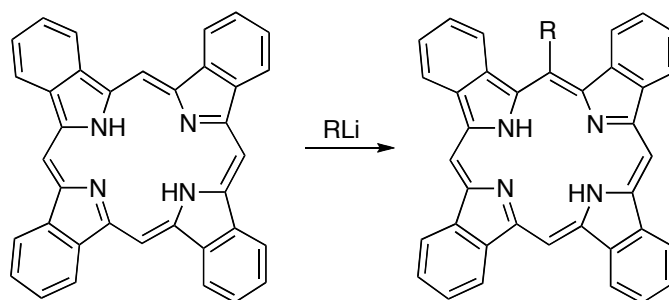
Toshio Fukai, Ih-Sheng Chen, Masaru Sato, Magoichi Sako,  
Miyuki Hirata, Masaru Sudo, and Hitoshi Tanaka\*



*Erythrina variegata*    Leguminosae    Isoflavonoid    Eryvarins    Antibacterial Activity

## 879 Synthesis of Benzoporphyrins with One or Two Meso-Substituents via Substitution Reactions

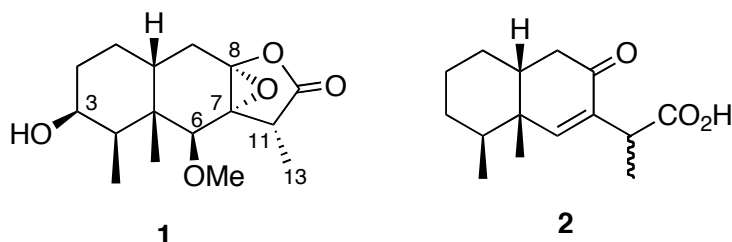
Ines Bischoff and Mathias O. Senge\*



Benzoporphyrin    Tetrapyrrole    Organolithium Reagent    Nucleophilic Aromatic Substitution    C-C Coupling

 887 Eremopetasitenin A<sub>3</sub> and 8-Oxoeremophil-6-en-12-oic Acid from *Petasites japonicus* ssp. *giganteus*

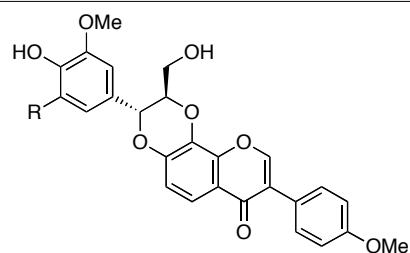
Masami Tanaka, Masakazu Sono, Katsuyuki Nakashima,  
Moeko Kume, and Motoo Tori\*



*Petasites japonicus* ssp. *giganteus*    Eremopetasitenin A<sub>3</sub>    8-Oxoeremophil-6-en-12-oic Acid    Terpenoid    Isolation

893 Isolation of New Isoflavonolignans, Butesuperins A and B, from a Thai Miracle Herb, *Butea superba*

Chaiyo Chaichantipyuth, Yoshihiro Higuchi, Shizuo Narimatsu, Hiroshi Ueki, Kazuo Furihata, Hiroko Seki, Kai Ma, and Tsutomu Ishikawa\*



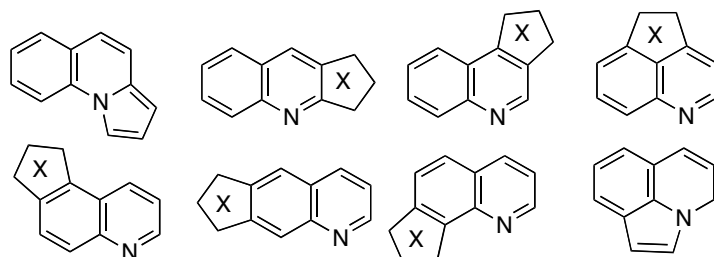
butesuperin A (R = H)  
butesuperin B (R = OMe)

*Butea superba*    Chemical Constituent    Isoflavone    Isoflavonolignan    PDE Inhibition

■ REVIEW

901 Fused Quinolines. Recent Synthetic Approaches to Azoloquinolines. A Review

Mohamed Abass\*



X = N, O, S

Azoloquinoline    Pyrroloquinoline    Furoquinoline    Thienoquinoline    Synthesis

■ NEW HETEROCYCLIC NATURAL PRODUCTS

- 967 Polyketides
- 974 Aromatics
- 994 Terpenes
- 1012 Steroids
- 1014 Alkaloids
- 1024 Miscellaneous