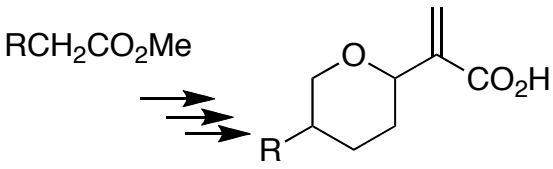
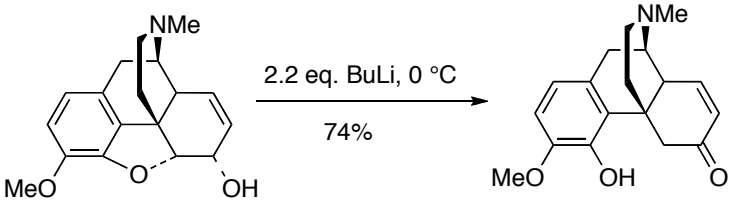
■ PREFACES

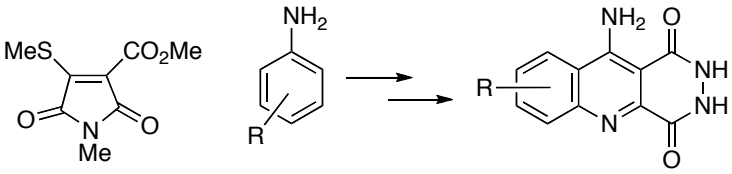
EDITOR'S REMARK

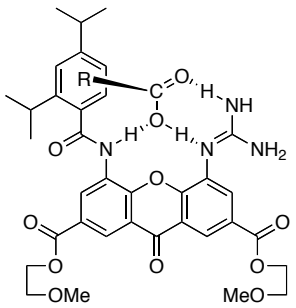
■ **COMMUNICATIONS**

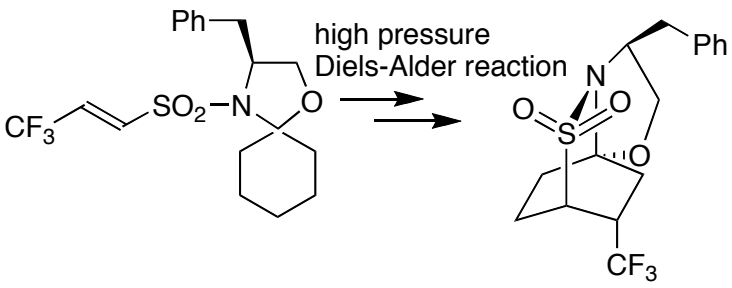


(2*S*,5*S*)-derivative: R = geranyl
(2*R*,5*R*)-derivative: R = geranyl
racemic *trans*-derivative: R = n-$C_{14}H_{29}$





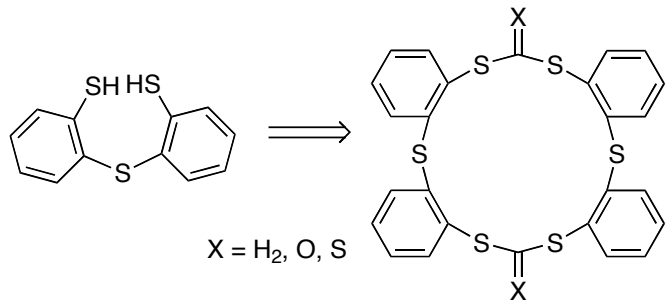




■ PAPERS

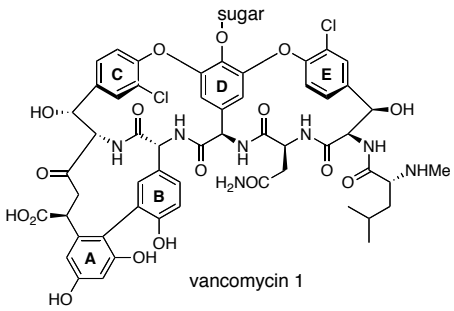
103 **Synthesis with Bis(*o*-mercapto)phenyl Sulfide: An Easy Access to Sulfurcontaining 16-Membered Heterocycles**

Akihiko Ishii, Yoshiaki Sugihara, Sanae Tanaka, and Juzo Nakayama*



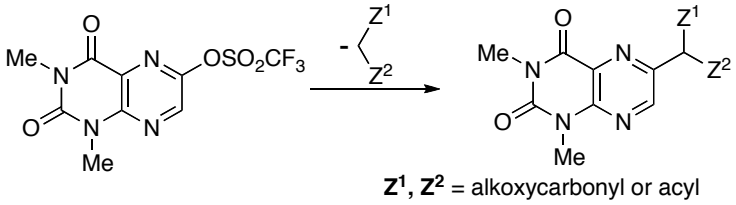
109 **A New Stereoselective Synthetic Strategy for β-Hydroxy-α-amino Acids of Vancomycin**

Debendra K. Mohapatra, Shashwati Pal, and Mukund K. Gurjar*



117 **A Novel Method for Introduction of Carbon Substituents into Pteridine**

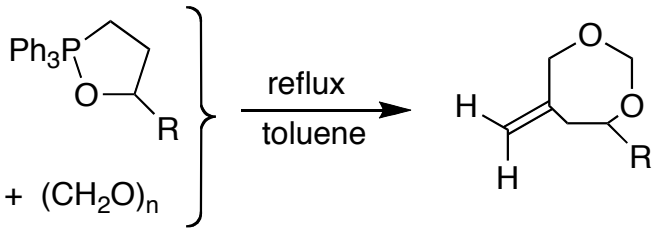
Chihiro Seo, Katsuhiko Murakami, Takashi Sugimoto, Masato Kujime, and Shizuaki Murata*



Z[1], **Z**[2] = alkoxycarbonyl or acyl

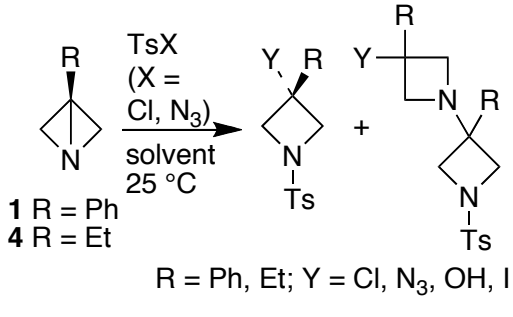
125 **Formation of 5-Methylene-1,3-dioxepanes by the Reaction of 2,2,2-Triphenyl-1,2l5-oxaphospholanes with Paraformaldehyde**

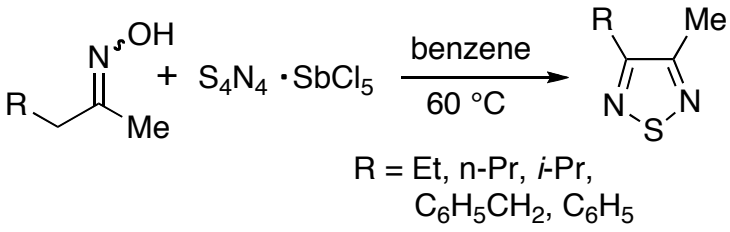
Kosei Shioji, Ichiro Shuzui, Yuichiro Tanaka, and Kentaro Okuma*

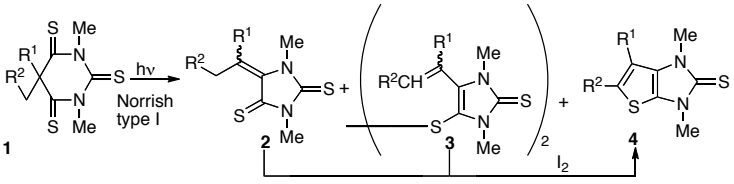


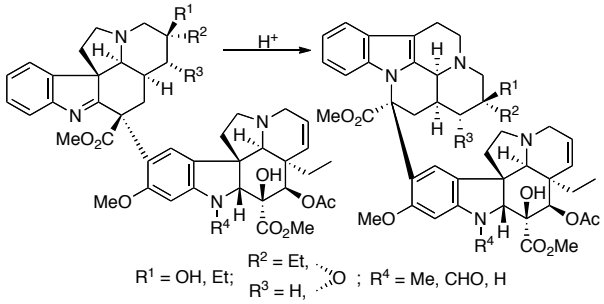
131 **Reactions of 3-Ethyl- and 3-Phenyl-1-azabicyclo-[1.1.0]butanes with Tosyl Chloride and Tosyl Azide**

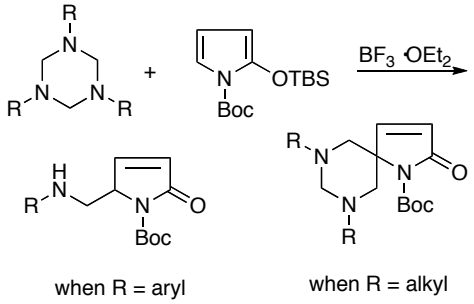
Grzegorz Mloston, Romuald Bartnik, Sulejman Alihodzic, and Alan P. Marchand*





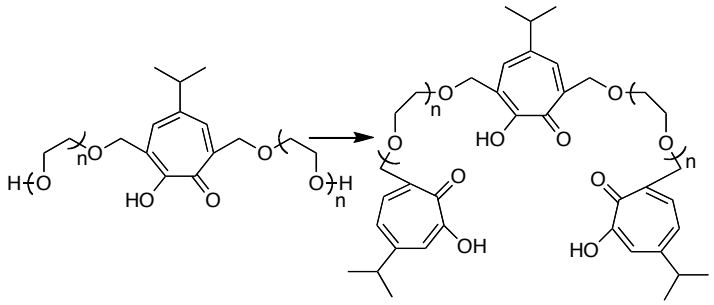






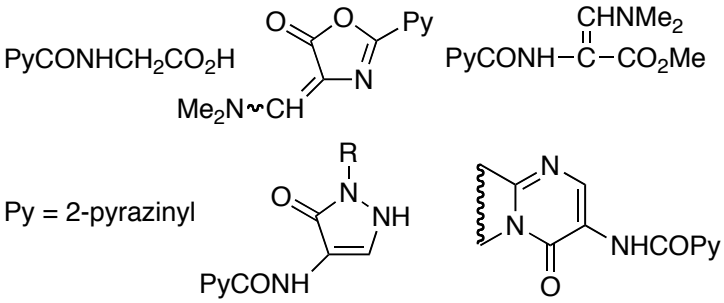
309 **Synthesis of New Podand Possessing Three Tropolonoids Connected by Two Oligoethylene Glycol Chains**

Shigeyuki Kikumoto, Yoshiko Tokuno, Takuro Kanbe, Takehisa Kato, and Tadahiro Kato*



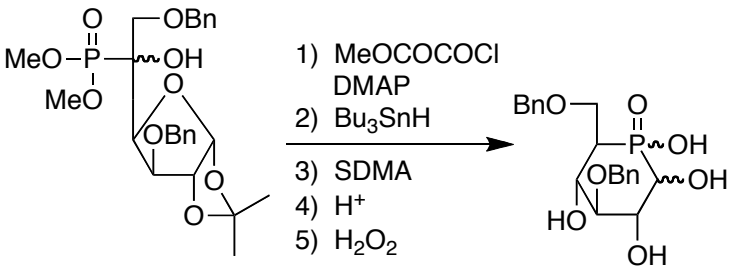
315 **4-Dimethylaminomethylene-2-pyrazinyl-5(4*H*)-oxazolone as a Synthon for the Synthesis of Various Pyrazoles and Fused Pyrimidines**

Slovenko Polanc, Viktor Kozjan, Vladimir Kepe, and Marijan Kočevar*



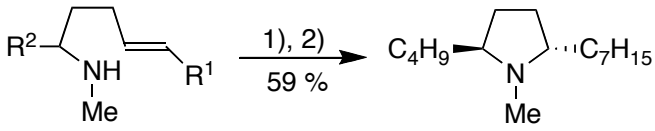
323 **A New Route for Preparation of 5-Deoxy-5-hydroxy-phosphinyl-D-gluco- and L-idopyranose Derivatives**

Satoru Ikejiri, Yasushi Fujii, Tadashi Hanaya, and Hiroshi Yamamoto*



333 **New Stereoselective Synthesis of (±)-*trans*-2-Butyl-5-heptyl-1-methylpyrrolidine, Ant Venom Alkaloid, by Aminyl Radical Cyclization**

Kazuhiko Orito, Hikaru Hasegawa, Hisanori Senboku, and Masao Tokuda*



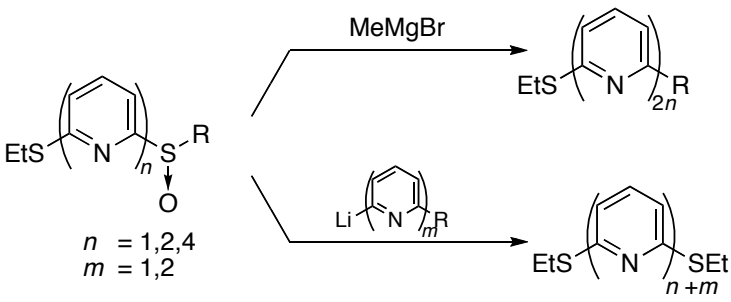
$R^1 = C_3H_7$; $R^2 = C_7H_{15}$
$R^1 = C_6H_{13}$; $R_2 = C_4H_9$

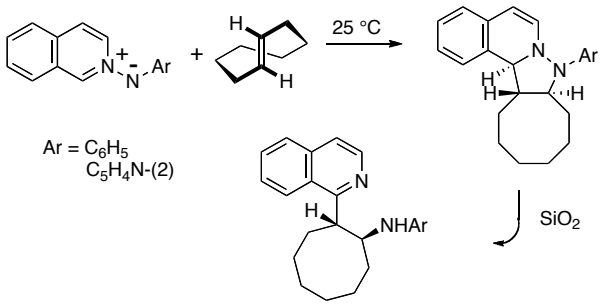
ant venom alkaloid

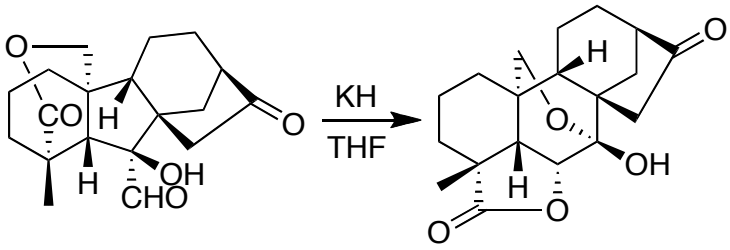
reagents and conditions;
1) NCS - toluene; 2) Bu_3SnH - AIBN - toluene, reflux

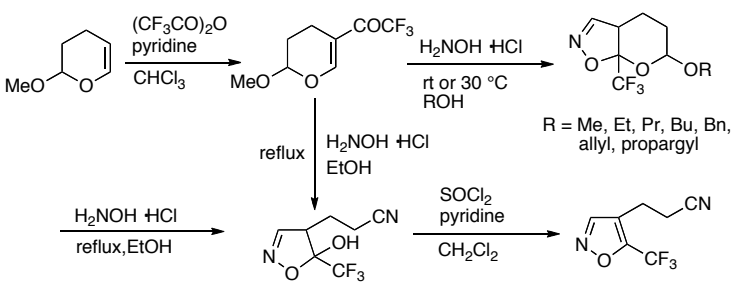
341 **Coupling of Consecutive Pyridine Ring Units for Oligopyridine Synthesis**

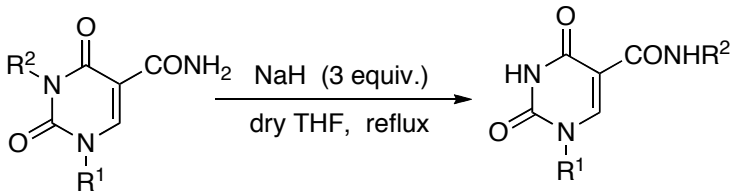
Shigeru Oae, Osamu Yonemitsu, Shoji Wakabayashi, Takakazu Tanaka, Kenji Nishiwaki, Sin'ichiro Hata, Tetsuya Ueno, and Jun'ichi Uenishi*

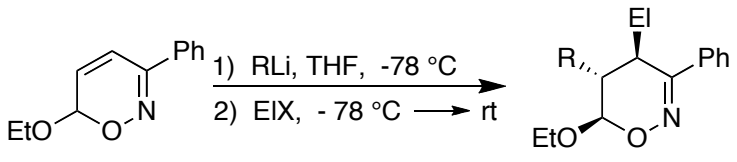


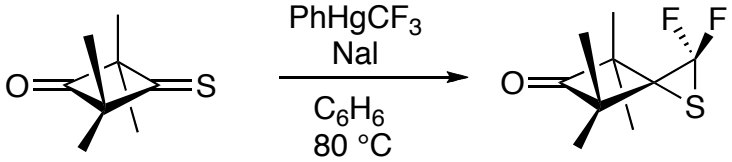


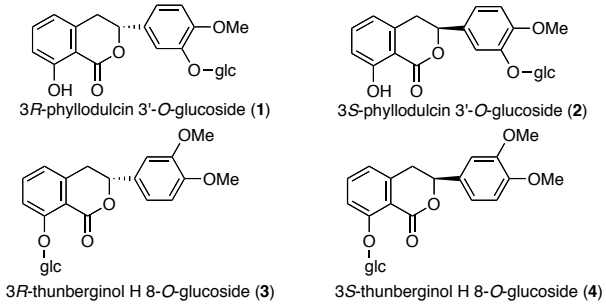




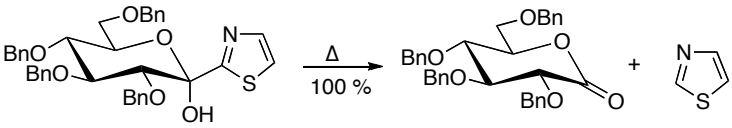


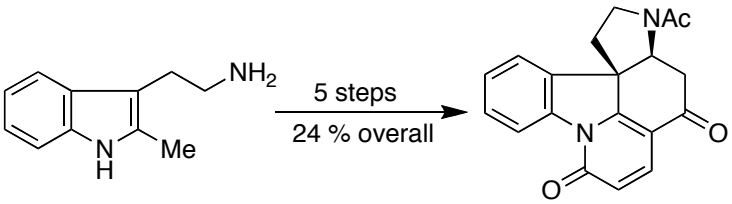


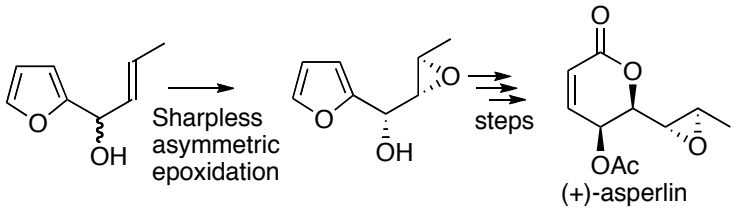


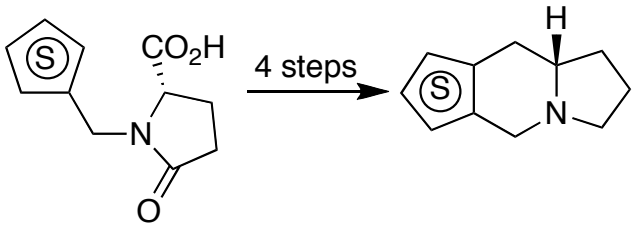


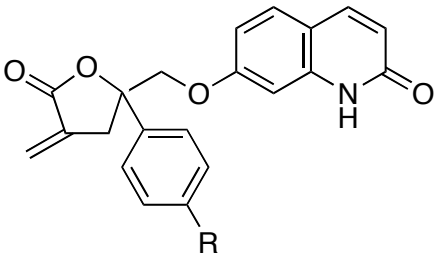
■ NOTES

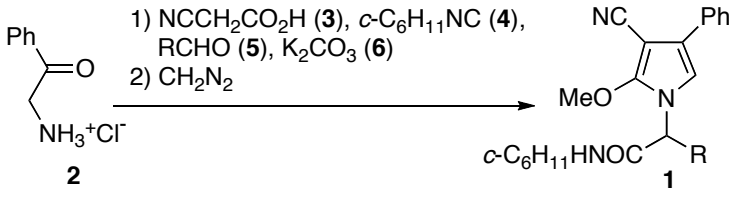


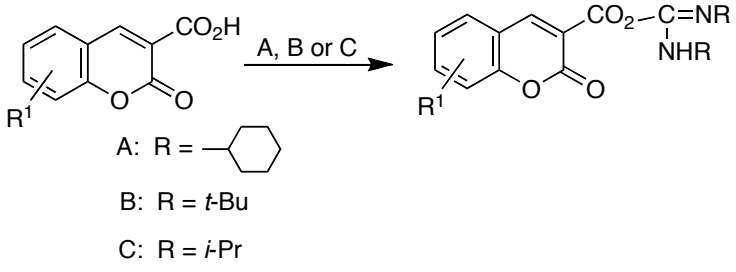






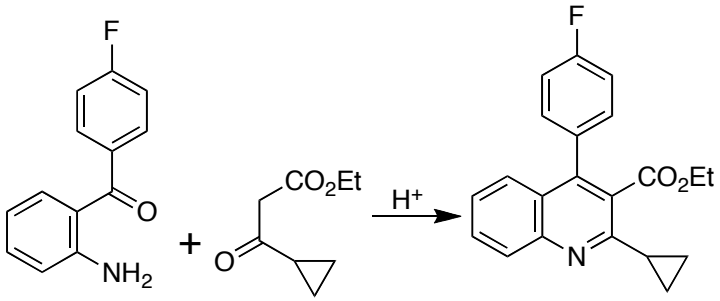






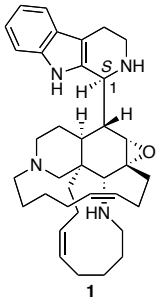
479 **Practical Synthesis of Quinoline Nucleus of NK-104**

Keizo Tanikawa, Mikio Suzuki, and Ryozo Sakoda*



485 **A New Manzamine Congener from Marine Sponge *Amphimedon* sp.**

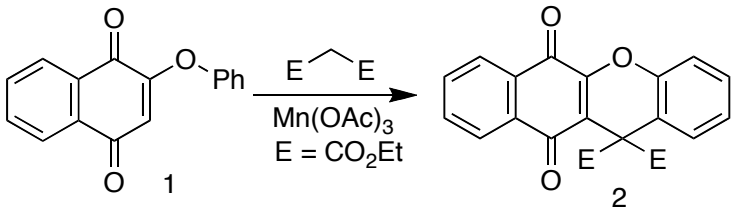
Daisuke Watanabe, Masashi Tsuda, and Jun'ichi Kobayashi*



1

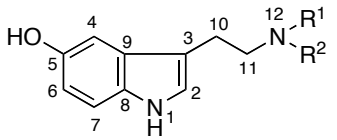
489 **Manganese(III) Acetate Initiated Oxidative Free Radical Reaction between 2-Aryloxy-1,4-naphthoquinones and Dialkyl Malonates**

Jia-Han Lee, Sheow-Fong Wang, and Che-Ping Chuang*

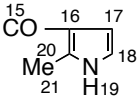


499 **Bufobutanoic Acid and Bufopyramide, Two New Indole Alkaloids from the Chinese Traditional Drug Ch'an Su**

George R. Pettit, Hideji Itokawa, Koichi Takeya, Hirohumi Hashima, Toshihiko Nogawa, Ayano Kotake, Rui Takano, Hiroshi Morita, and Yoshiaki Kamano*



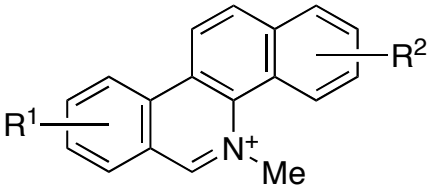
bufobutanoic acid $R^1 = \overset{13}{C}O\overset{14}{C}H_2\overset{15}{C}H_2\overset{16}{C}O_2H$; $R^2 = H$

bufopyramide $R^1 = \overset{13}{C}O\overset{14}{C}Me$; $R^2 = \overset{15}{C}O$ 

■ **REVIEWS**

627 **Recent Advances on Antitumor-active Benzo[*c*]-phenanthridine Alkaloids**

Hisashi Ishii and Tsutomu Ishikawa*



benzo[*c*]phenanthridines