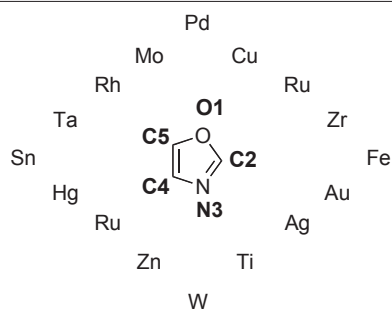


## ■ REVIEW

## 2479 Transition Metal-Mediated Synthesis of Oxazoles

Stefano Bresciani and Nicholas C. O. Tomkinson\*

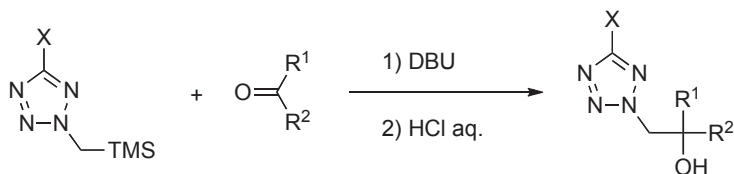


Oxazole    Transition Metal    Catalysis

## ■ PAPERS

 2545 The Reaction of 2-((Trimethylsilyl)methyl)-2*H*-tetrazoles with Aldehydes and Ketones in the Presence of 1,8-Diazabicyclo[5.4.0]undec-7-ene

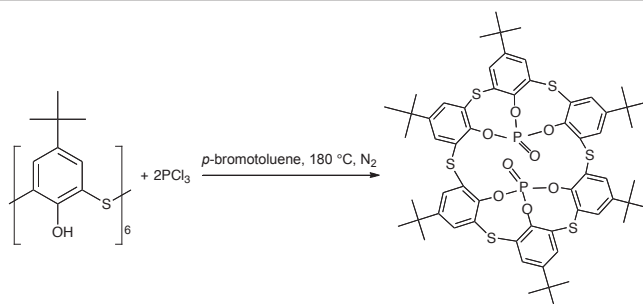
Hideaki Umemoto,\* Takuya Onaka, Yasuyoshi Miki, Akira Nakamura, and Tomohiro Maegawa\*



2-((Trimethylsilyl)methyl)tetrazole    (2-Hydroxyethyl)tetrazole    2-Alkyltetrazole    Aldehyde    1,8-Diazabicyclo[5.4.0]undec-7-ene

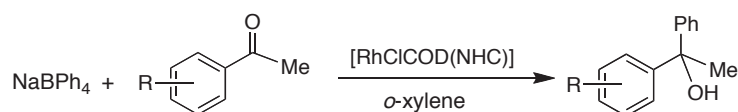
 2554 Phosphorylated Thiacalix[6]arene: Synthesis and Characterization of Host-Guest Complex of Selective Pd<sup>2+</sup> Ion Extraction

Munkhtuya Ulzii, Kunda Uma Maheswara Rao, Manabu Yamada, and Fumio Hamada\*


 Phosphorylated Thiacalix[6]arene    Pd<sup>2+</sup> Ion Extraction

## 2562 Rhodium(I)-N-Heterocyclic Carbene-Catalyzed Addition of Sodium Tetrphenylborate to Ketones to Form Tertiary Alcohols

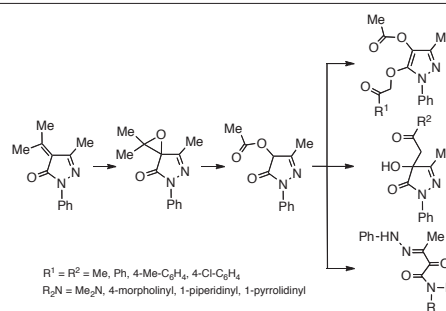
Beyhan Yiğit, Murat Yiğit,\* and İsmail Özdemir



Rhodium Complex    NHC Ligand    Arylation Reaction    Alcohol    Ketone

**2572 A Diversity-Oriented Approach to 1*H*-Pyrazole-4,5-diols, 4-Hydroxy-3*H*-pyrazol-3-ones, and Phenylhydrazones from Key Intermediate 4-Acetyloxy-3*H*-pyrazol-3-one**

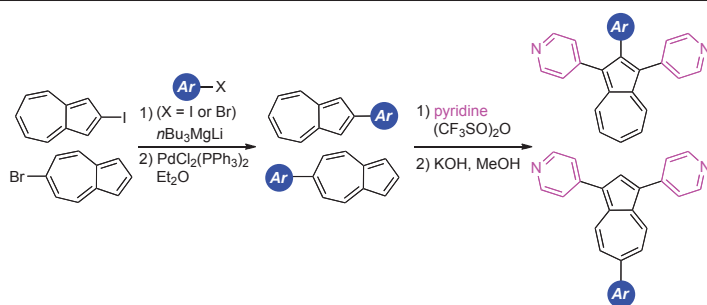
Eiichi Masumoto, Fumi Okabe, Toshihiro Fujioka, Kenji Yamagata, and Hiroshi Maruoka\*



Pyrazole    Epoxidation    Acylation    Hydrazone    Aldol Reaction

**2588 Synthesis of 2-Aryl- and 6-Heteroaryl-1,3-di(4-pyridyl)-azulenes by Katritzky's Pyridylation of 2-Aryl- and 6-Heteroarylazulenes**

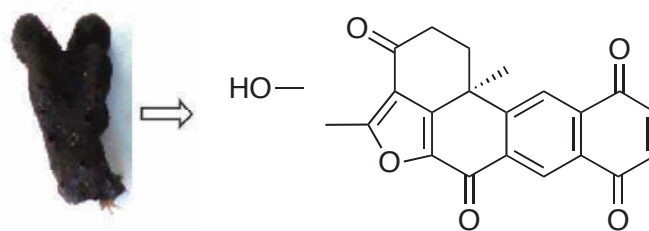
Taku Shoji,\* Akifumi Maruyama, Shunji Ito, Tetsuo Okujima, Masafumi Yasunami (the late), Junya Higashi, and Noboru Morita



Azulene    N-Containing Heterocycle    Cross-Coupling Reaction    Lithium Magnesium Ate Complex    UV-Vis Spectrum

**SHORT PAPERS**
**2605 1-Hydroxyethylhalenaquinone: A New Proteasome Inhibitor from the Marine Sponge *Xestospongia* sp.**

Michiko Yamakuma, Hikaru Kato, Kanae Matsuo, Ahmed H. El-Desoky, Tetsuro Kawabata, Fitje Losung, Remy E. P. Mangindaan, Nicole J. de Voogd, Hideyoshi Yokosawa, and Sachiko Tsukamoto\*

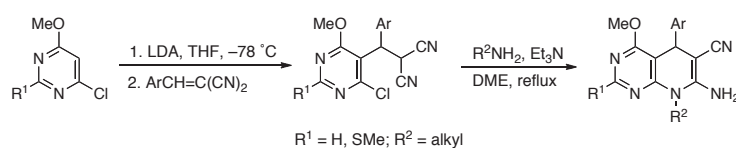

*Xestospongia* sp.

1-hydroxyethylhalenaquinone

 Proteasome Inhibitor    Halenaquinone    Marine Sponge    *Xestospongia* sp.

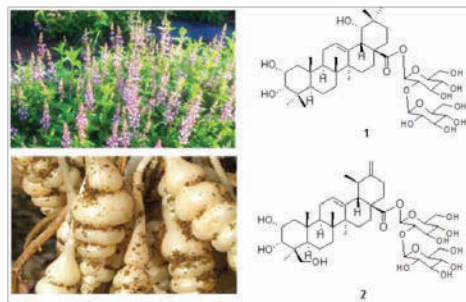
**2611 Synthesis of 7-Amino-5,8-dihydropyrido[2,3-*d*]-pyrimidine-6-carbonitrile Derivatives Based on the Reaction of 4-Chloro-5-lithio-6-methoxypyrimidines with 2-(Arylmethylidene)propanedinitriles**

Kazuhiro Kobayashi,\* Shohei Yuba, Aina Taniguchi, Hiroki Inouchi, Hidetaka Hiyoshi, and Kazuto Umezumi


 5,8-Dihydropyrido[4,5-*d*]pyrimidine    Enamino Nitrile    DCSMP    4-Chloro-5-lithio-6-methoxypyrimidine    2-(Arylmethylidene)propanedinitrile

**2619 Two New Triterpene Saponins from the Tubers of *Stachys sieboldii***

Hyeon Kyung Cho, Chung Sub Kim, Won Se Suh,  
Ki Hyun Kim, and Kang Ro Lee\*



*Stachys sieboldii* Labiatae Triterpene Saponin

■ NEW HETEROCYCLIC NATURAL PRODUCTS

- 2627 Polyketides
- 2630 Aromatics
- 2637 Terpenes
- 2651 Steroids
- 2654 Alkaloids
- 2658 Miscellaneous

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 2661 Polyketides
- 2663 Aromatics
- 2666 Terpenes
- 2667 Alkaloids
- 2675 Miscellaneous

■ BRUSH UP YOUR HETEROCYCLES

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2677 Brush Up Your Heterocycles

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## Contributors To This Issue

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 2588 Higashi, Junya  
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