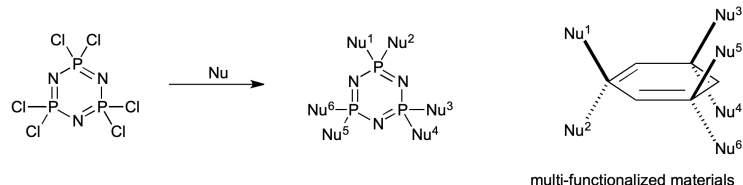


REVIEW

1513 New and Practical Applications of Functionalized Cyclotriphosphazene Core-Based Materials

Manabu Kuroboshi* and Hideo Tanaka

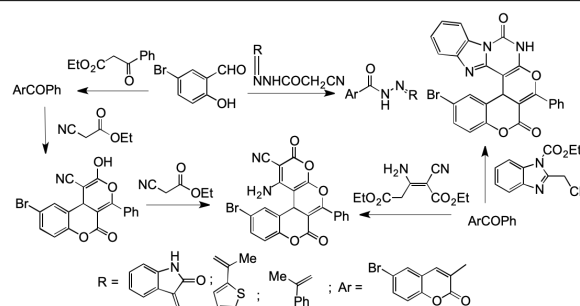


Cyclotriphosphazene Functionalized Material Nucleophilic Substitution

PAPERS

1579 An Efficient Synthesis of Some New Coumarin Hybrids Endowed with Expected Biological Activity

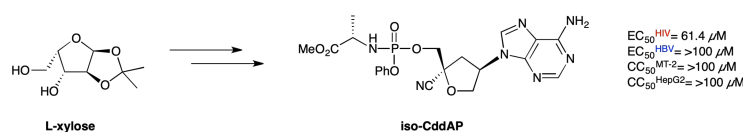
Mohamed A. Raslan,* Noura Sh. Hagaggi, Kamal M. Dawood, Hany A. Abdel Atty, and Ayman Nafady



Chromene Malononitrile Cyanoacetic Acid Hydrazide

1599 Design and Synthesis of 4'-Cyano Dideoxy Isonucleosides and Their Activity against HIV-1 and HBV

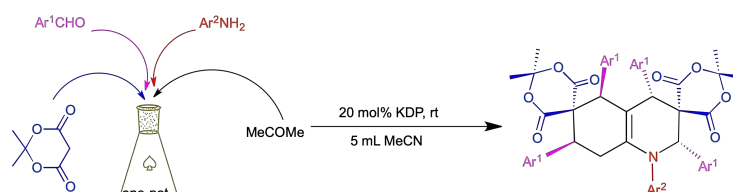
Kengo Onitsuka, Kakeru Yamaguchi, Ryoh Tokuda, Nobuyo Higashi-Kuwata, Shunsuke Kuwahara, Hiroki Kumamoto, Kenji Maeda, Kazuhiro Haraguchi, Hiroaki Mitsuya, and Shuhei Imoto*



Isonucleoside Analog Hepatitis B Virus (HBV) Human Immunodeficiency Virus Type 1 (HIV-1)

1613 A One-Pot Four-Component Procedure for the Synthesis of Spiro[tetrahydroquinoline-bis(2,2-dimethyl-1,3-dioxane-4,6-dione)] Derivatives

Zhaohui Xu,* Yexuan Tang, Qiang Xiao, and Chuanwen Liao*

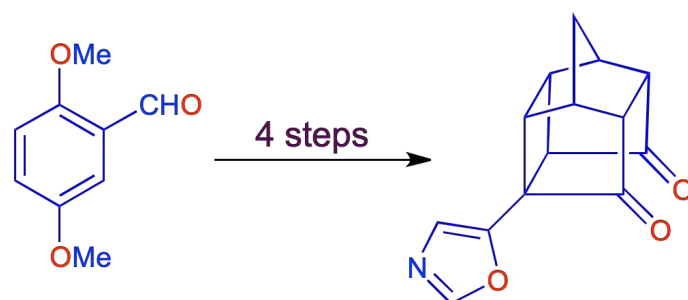


Spiro[tetrahydroquinoline-bis(2,2-dimethyl-1,3-dioxane-4,6-dione)] Derivative Four-Component Reaction 2,2-Dimethyl-1,3-dioxane-4,6-dione

■ SHORT PAPERS

1623 Design and Synthesis of Pentacycloundecane Cage Compound Containing Oxazole Moiety

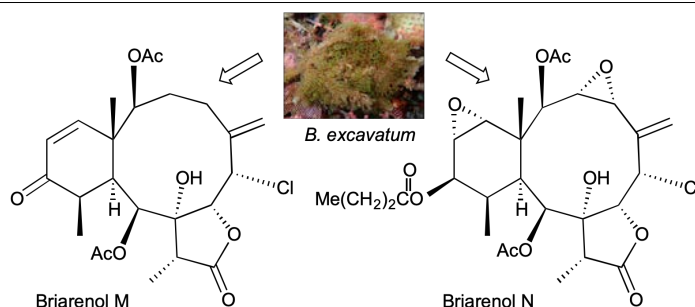
Sambasivarao Kotha* and Subba Rao Cheekatla



Van Leusen Oxazole Synthesis Cage Molecule Diels-Alder Reaction

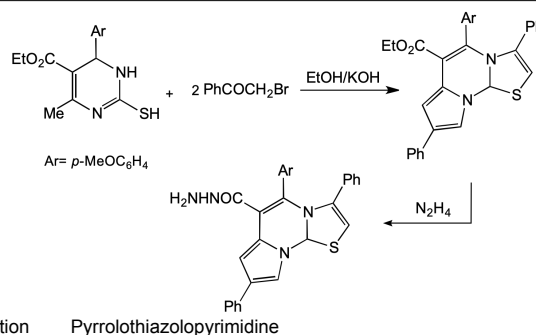
1633 Identification and Characterization of Chlorine-Containing Briaranes from a Cultured Octocoral *Briareum excavatum* (Briareidae)

Yi-Lin Zhang, Liang-Mou Kuo, Lo-Yun Chen, Gene-Hsiang Lee, Bo-Rong Peng, You-Ying Chen, Yu-Hsin Chen, Tsong-Long Hwang,* Jyh-Horng Sheu,* and Ping-Jyun Sung*


 Octocoral *Briareum* Briarane Briarenol X-Ray Crystallography

1645 Synthesis and Reactions of 3,8-Diphenyl-5-(4-methoxyphenyl)pyrrolo[1,2-c][1,3]thiazolo[3,2-a]pyrimidine-6-carbohydrazide

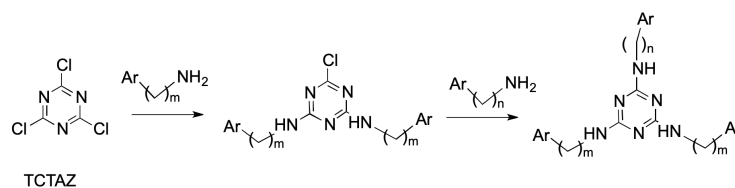
Kamelia M. El-mahdy and Azza M. El-kazak*



Mercaptoprimidine Phenacyl Bromide Carbohydrazide Heterocyclization Pyrrolothiazolopyrimidine

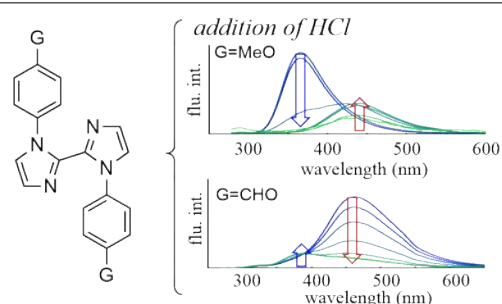
1657 Some New C₃- and C_s-Symmetrical Trialkylamino-substituted 1,3,5-Triazines and Their Biological Evaluation

Shunsuke Shimomura, Yusuke Inoue, Yuki Kawano, Yuka Fujita, Kanae Yamada, Yumemi Matsumoto, Kazumi Yokomizo, Jian-Rong Zhou, Kaori Ota, Nobuko Mibu, Makoto Furutachi, and Kunihiro Sumoto*


 1,3,5-Triazine C₃-Symmetrical Molecule C_s-Symmetrical Molecule Anti-HSV-1 Activity

1666 Change in the Fluorescence of 1,1'-Diaryl-2,2'-biimidazoles upon the Addition of Acid

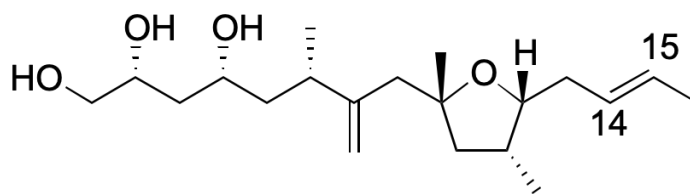
Shoji Matsumoto,* Seigi Tachibana, and Motohiro Akazome



Biimidazole Fluorescence Protonation Bathochromic Change Hypsochromic Change

1678 **Amphirionins-3 and -6, New Polyketides from the Cultured Marine Dinoflagellate *Amphidinium* Species**

Masashi Tsuda,* Ryui Makihara, Mika Minamida, Masayuki Tsuda, Mai Akakabe, Keiko Kumagai, Eri Fukushi, Jun Kawabata, and Takeyuki Suzuki



Amphirionin-3
Amphirionin-6 : 14,15-dihydro

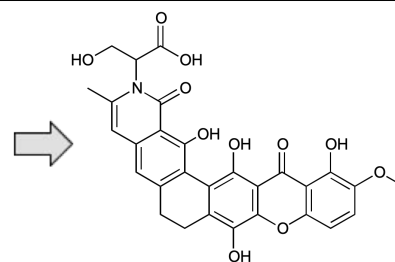
Dinoflagellate Polyketide

1686 **Ukixanthomycin A: A Hexacyclic Xanthone from the Mudflat-Derived Actinomycete *Streptomyces* sp.**

Yuhei Koyanagi, Teppei Kawahara, Yuki Hitora, and Sachiko Tsukamoto*



Streptomyces sp.
HGMA004



Ukixanthomycin A

Streptomyces sp. Mudflat-Derived Actinomycete Xanthone Structure Elucidation

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 1695 Polyketides
- 1699 Aromatics
- 1701 Terpenes
- 1704 Steroids
- 1705 Alkaloids
- 1716 Miscellaneous

■ BRUSH UP YOUR HETEROCYCLES

1719 Brush Up Your Heterocycles

**Contributors
To This Issue**

- 1579 Abdel Atty, Hany A.
1678 Akakabe, Mai
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1633 Zhang, Yi-Lin
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