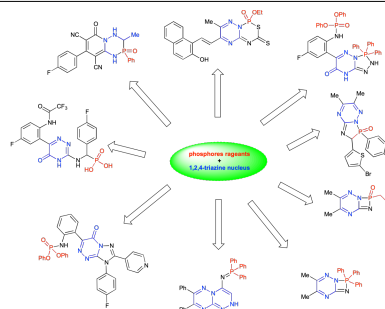


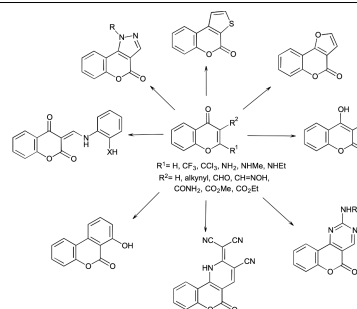
■ REVIEWS

- 2247 **Synthesis and Chemistry of Phosphorus Compounds Substituted by 1,2,4-Triazine Moieties as Medicinal Probes**
Abdulrahman S. Alharbi* and Reda M. Abdel-Rahman



Phosphorus Atom 1,2,4-Triazine Moiety Biological Activity

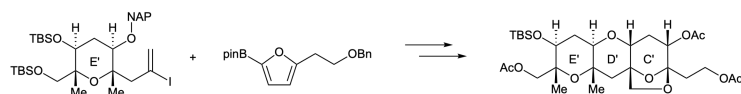
- 2277 **Chemical Transformation of Chromones into Coumarins**
Aya Ahmed, Magdy A. Ibrahim, and Al-Shimaa Badran*



Coumarin Chemical Transformation RORC Nitrogen Nucleophile Carbon Nucleophile

■ COMMUNICATION

- 2313 **Synthetic Study of the C'D'E' Ring System of Maitotoxin via Furan Based Strategy**
Yuta Watanabe, Kohei Torikai, Yoko Yasuno, and Tohru Oishi*

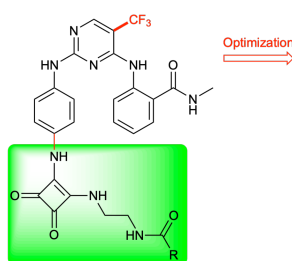


Maitotoxin Polyether Natural Product C'D'E' Ring Furan Based Strategy Achmatowicz Reaction

■ PAPERS

2319 Synthesis and Biological Evaluation of New Pyrimidine Derivatives as FAK Inhibitors for Development of Antitumor Agents

Di Zhang, Qin Wang, Jing Yang, Qing Zhang, Yi Le, Li Liu, and Longjia Yan*

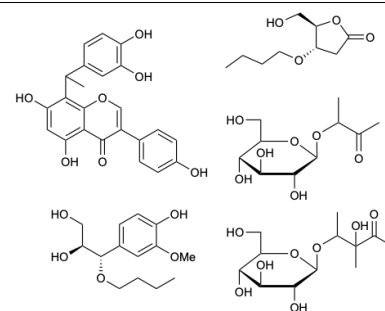


U-87 MG	IC ₅₀ = 2.16 ± 0.14 μM
MDA-MB-231	IC ₅₀ = 2.03 ± 0.15 μM
PC-3	IC ₅₀ = 6.19 ± 0.75 μM
MCF-7	IC ₅₀ = 21.31 ± 4.83 μM
FAK	IC ₅₀ = 0.0059 ± 0.0014 μM

Pyrimidine Focal Adhesion Kinase (FAK) FAK Inhibitor Antitumor Activity

2331 Five New Compounds from *Arenga pinnata* (Wurmb.) Merr. Fruits

Ji-Fei Liu, Xin Cai, Feng-Jin Li, Chang Wang, Jin-Hai Huo,* and Wei-Ming Wang*



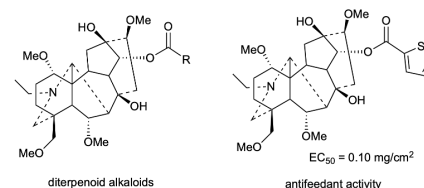
Arenga pinnata (Wurmb.) Merr. Natural Product Flavone N-Containing Compound Alkaloid

2341 Semi-Synthetic Chasmanthinine Analogues with Antifeedant Effects against *Spodoptera exigua*

Ziyu Song, Ke Xu, Jing Li, Yayun Xie, Xiang Li, Shuai Huang, Feng Gao, Lin Chen, and Xianli Zhou*



Aconitum franchetii var. *villosulum*

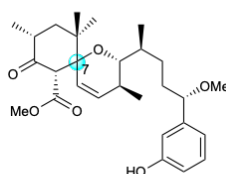


Synthesis Chasmanthinine Derivative *Spodoptera exigua* Antifeedant Activity

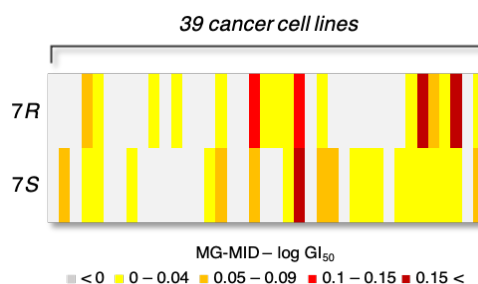
■ SHORT PAPERS

2353 Oscillatoxin E and Its C7 Epimer Show Distinct Growth Inhibition Profiles against Several Cancer Cell Lines

Yusuke Hanaki,* Yusuke Araki, Toshio Nishikawa, and Ryo C. Yanagita

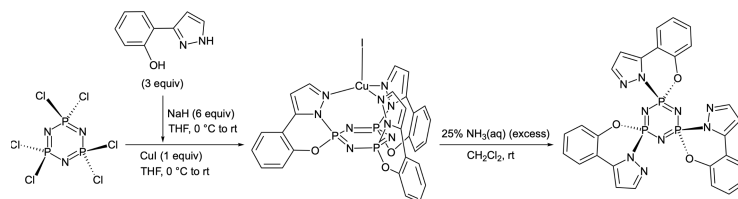


7R: Oscillatoxin E
7S: C7 epimer



Oscillatoxin Structure-Activity Relationship Growth Inhibition

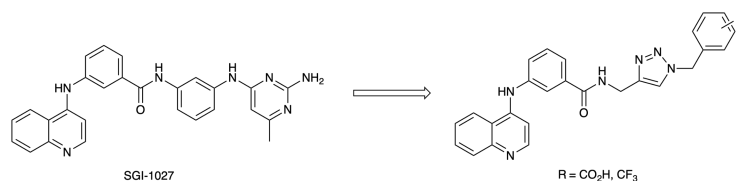
2363 Efficient Synthesis of Cyclotriphosphazene Tripodal Tridentate Ligand via the Copper(I)-Template Method
 Kazumasa Kajiyama,* Junpei Iwanami, and Hidetaka Yuge



Cyclotriphosphazene Tripodal Tridentate Ligand Copper(I)-Template Method Single-Crystal X-Ray Structural Analysis

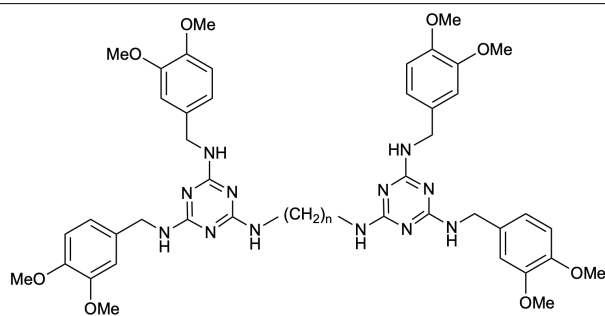
2372 Inverted Positioning of DNMT1 Inhibitor in the Active Site of DNMT1 Caused by Hydrophobicity/Hydrophilicity of the Terminal Structure

Toshifumi Tojo,* Yuhei Kubo, Takeshi Kondo, and Makoto Yuasa



DNA (cytosine-5)-methyltransferase 1 Inhibitor Drug Design Binding Simulation

2379 Hybrid Linker Mode C₂-Symmetrical 1,3,5-Triazine Derivatives and Their Biological Evaluation
 Shunsuke Shimomura, Kazumi Yokomizo, Jian-Rong Zhou, Kaori Ota, Nobuko Mibu, Makoto Furutachi, and Kunihiro Sumoto*



1,3,5-Triazine Antiviral Activity C₂-Symmetrical Molecule Multivalent Molecule

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 2391 Polyketides
- 2393 Aromatics
- 2401 Terpenes
- 2405 Steroids
- 2406 Alkaloids
- 2419 Miscellaneous

■ BRUSH UP YOUR HETEROCYCLES

2421 Brush Up Your Heterocycles

Contributors To This Issue

2247 Abdel-Rahman, Reda M.
2277 Ahmed, Aya
2247 Alharbi, Abdulrahman S.
2353 Araki, Yusuke
2277 Badran, Al-Shimaa
2331 Cai, Xin
2341 Chen, Lin
2379 Furutachi, Makoto
2341 Gao, Feng
2353 Hanaki, Yusuke
2341 Huang, Shuai
2331 Huo, Jin-Hai
2277 Ibrahim, Magdy A.
2363 Iwanami, Junpei
2363 Kajiyama, Kazumasa
2372 Kondo, Takeshi
2372 Kubo, Yuhei
2319 Le, Yi
2331 Li, Feng-Jin
2341 Li, Jing
2341 Li, Xiang
2331 Liu, Ji-Fei
2319 Liu, Li
2379 Mibu, Nobuko
2353 Nishikawa, Toshio
2313 Oishi, Tohru
2379 Ota, Kaori
2379 Shimomura, Shunsuke
2341 Song, Ziyu
2379 Sumoto, Kunihiro
2372 Tojo, Toshifumi
2313 Torikai, Kohei
2331 Wang, Chang
2319 Wang, Qin
2331 Wang, Wei-Ming
2313 Watanabe, Yuta
2341 Xie, Yayun
2341 Xu, Ke
2319 Yan, Longjia
2353 Yanagita, Ryo C.
2319 Yang, Jing
2313 Yasuno, Yoko
2379 Yokomizo, Kazumi
2372 Yuasa, Makoto
2363 Yuge, Hidetaka
2319 Zhang, Di
2319 Zhang, Qing
2379 Zhou, Jian-Rong
2341 Zhou, Xianli