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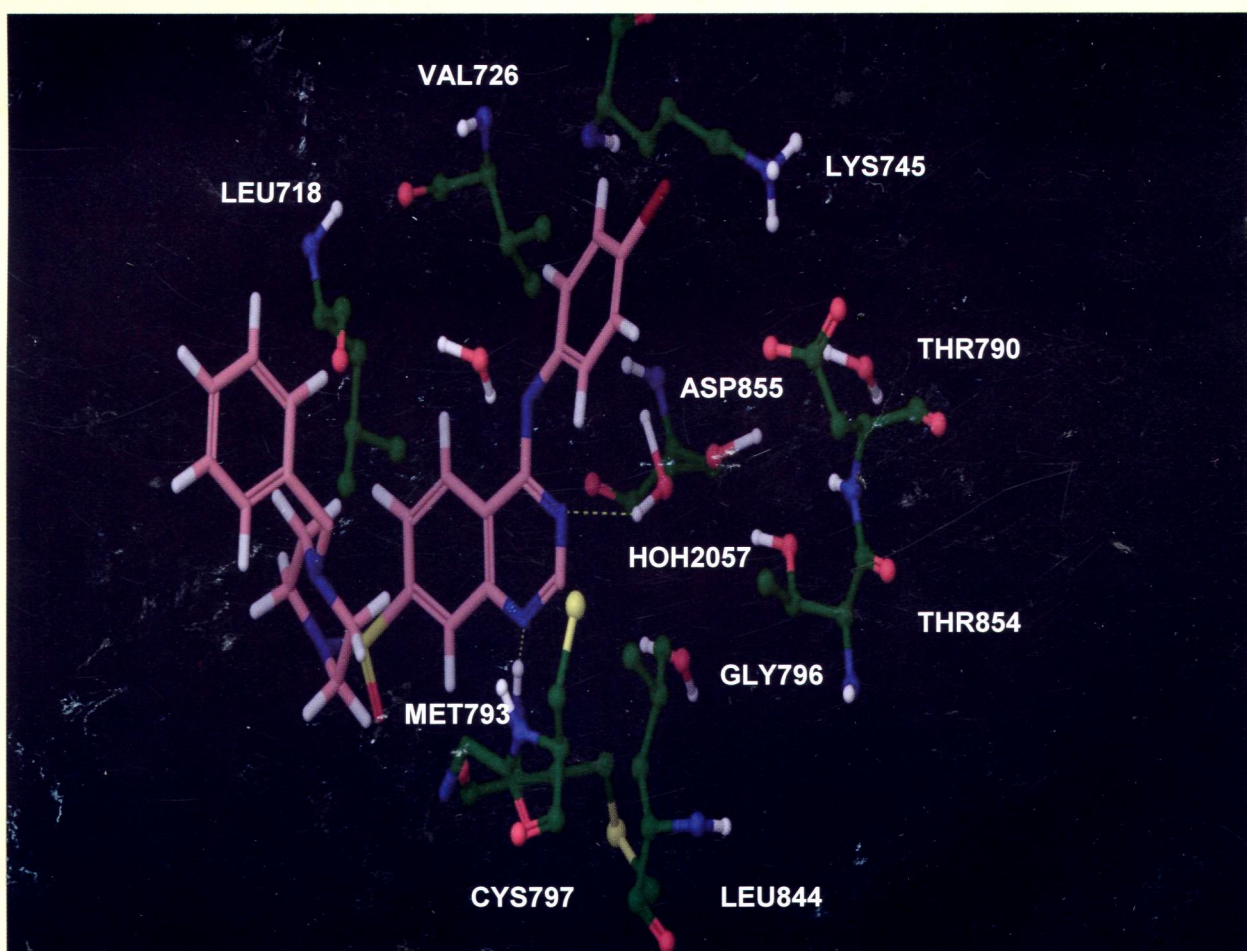
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Molecular Modelling and Synthesis of Quinazoline-Based Compounds as
Potential Antiproliferative Agents

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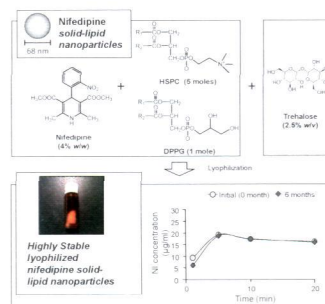
THE PHARMACEUTICAL SOCIETY OF JAPAN

<http://cpb.pharm.or.jp>

Regular Articles

Development of Highly Stable Nifedipine Solid-Lipid Nanoparticles

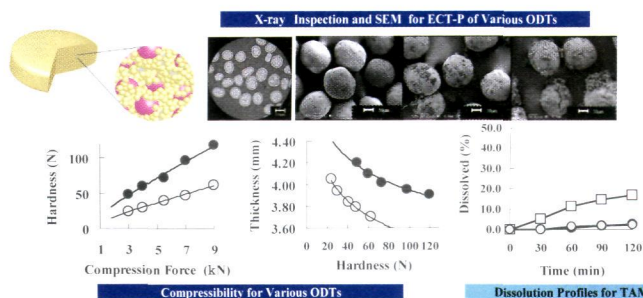
R. K. Barman, Y. Iwao, Y. Funakoshi, A.-H. Ranneh, S. Noguchi, M. I. I. Wahed, and S. Itai



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Formulation Design for Orally Disintegrating Tablets Containing Enteric-Coated Particles

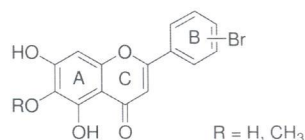
Y. Okuda, Y. Okamoto, Y. Irisawa, K. Okimoto, T. Osawa, and S. Yamashita



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Synthesis and Anti-influenza Activities of Novel Baicalein Analogs

S.-T. Chung, P.-Y. Chien, W.-H. Huang, C.-W. Yao, and A.-R. Lee



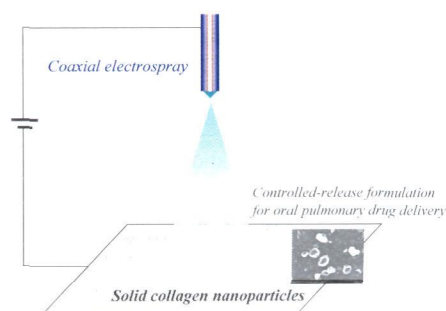
Anti-H1N1 Tamiflu-resistant virus

Selective index (SI = CC₅₀/EC₅₀) > 70.0

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Fabrication of Solid Collagen Nanoparticles Using Electro spray Deposition

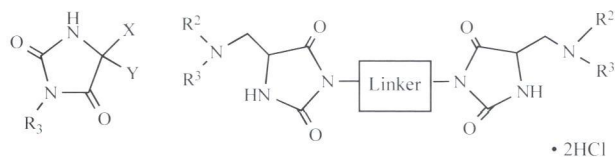
U. Nagarajan, K. Kawakami, S. Zhang, B. Chandrasekaran, and B. Unni Nair



pp. 422–428

Synthesis of New 5-Substituted Hydantoins and Symmetrical Twin-Drug Type Hydantoin Derivatives

F. Fujisaki, H. Aki, A. Naito, E. Fukami, N. Kashige, F. Miake, and K. Sumoto



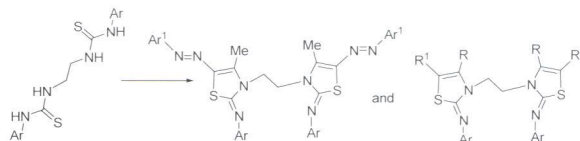
5—10
[X = Me, Y = -N(R²R³)]
11—14
[X = H, Y = -CH₂N(R²R³)]

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Synthesis and Antimicrobial Evaluation of Some New 1,2-Bis-(2-(N-arylimino)-1,3-thiazolidin-3-yl)ethane Derivatives

K. M. Dawood and H. K.-A. Abu-Deif

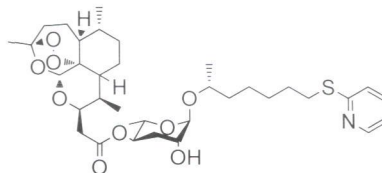
Several new 1,2-bis-[1,3-thiazolidin-3-yl]ethane derivatives have been conveniently synthesized and tested for their antimicrobial activity against eight microorganisms.



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Synthesis and Anticancer Activity of Novel Deoxyartemisinin–Glycolipid Hybrids

D. Min, M. Kim, J. Ricci, S. Jung, K. Kim, W.-Y. Chung, K.-K. Park, and M. Jung

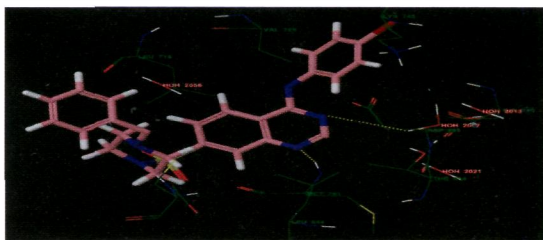


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Molecular Modelling and Synthesis of Quinazoline-Based Compounds as Potential Antiproliferative Agents

A. S. A. Yassen, H. E. A. E. A. Elshihawy, M. M. A. Said, and K. A. M. Abouzid

The molecular modelling, synthesis and *in vitro* assay study revealed that the compound 6-(4-Benzylpiperazin-1-ylsulfonyl)-4-(4-bromoanilino)quinazolin showed a meaningful antitumour activity against MCF-7 cell line.

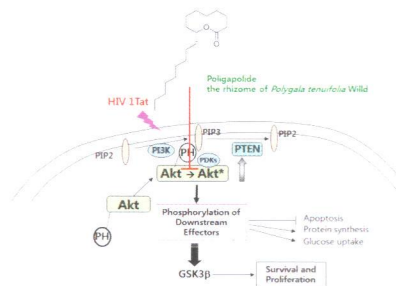


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Notes

Poligapolide, a PI3K/Akt Inhibitor in Immunodeficiency Virus Type 1 TAT-Transduced CHME5 Cells, Isolated from the Rhizome of *Polygala tenuifolia*

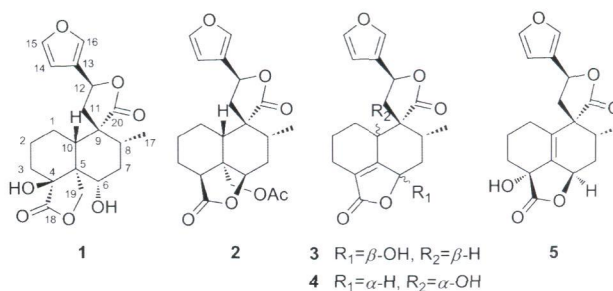
S.-Y. Yoo, T. K. V. Le, J. J. Jeong, and D.-H. Kim



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Teucvisins A–E, Five New *neo*-Clerodane Diterpenes from *Teucrium viscidum*

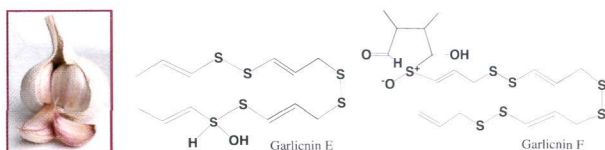
H. Lv, J. Luo, M. Zhu, S. Shan, and L. Kong



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Acylic Sulfides, Garlicinins L-1–L-4, E, and F, from *Allium sativum*

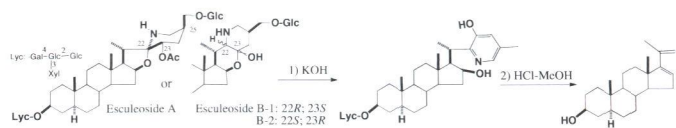
T. Nohara, Y. Fujiwara, T. Ikeda, K. Yamaguchi, H. Manabe, K. Murakami, M. Ono, D. Nakano, and J. Kinjo



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Conversion of Tomato Saponins to Pregnane Derivatives

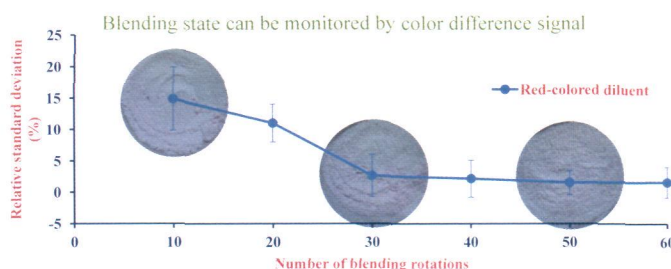
T. Nohara, H. Manabe, Y. Fujiwara, T. Ikeda, M. Ono, K. Murakami, D. Nakano, J. Kinjo, and T. Kajimoto



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Evaluation of Degree of Blending Colored Diluents Using Color Difference Signal Method

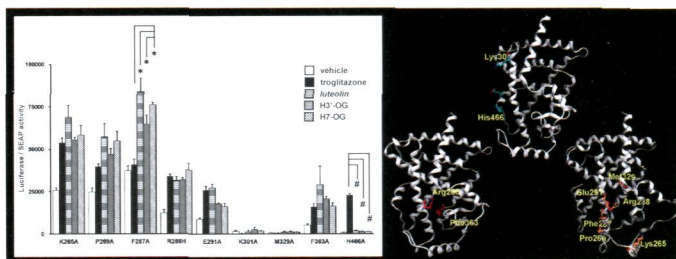
Y. Miyazaki, T. Uchino, and Y. Kagawa



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Mechanism of Peroxisome Proliferator-Activated Receptor Gamma (PPARγ) Transactivation by Hesperetin Glucuronides Is Distinct from That by a Thiazolidine-2,4-dione Agent

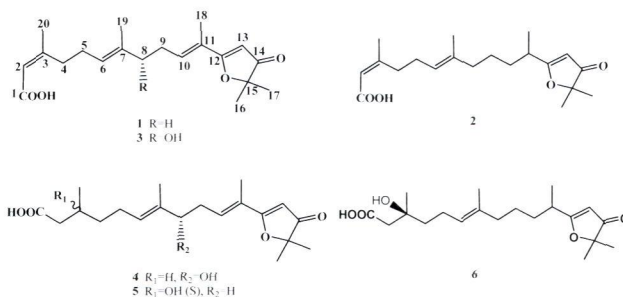
K. Gamo, T. Shiraki, N. Matsuura, and H. Miyachi



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Aphanamixins A–F, Acyclic Diterpenoids from the Stem Bark of *Aphanamixis polystachya*

X. Zhang, Y. Tan, Y. Li, L. Jin, N. Wei, H. Wu, G. Ma, Q. Zheng, Y. Tian, J. Yang, J. Zhang, and X. Xu

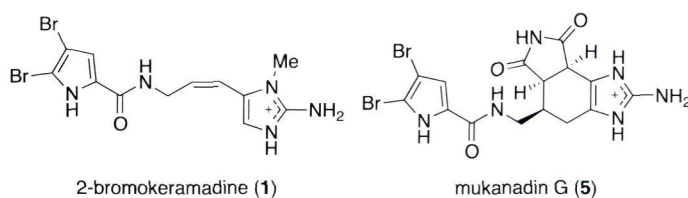


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Bromopyrrole Alkaloids from a Marine Sponge

Agelas sp.

T. Kusama, N. Tanaka, A. Takahashi-Nakaguchi, T. Gonoï, J. Fromont, and J. Kobayashi



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About the cover: Although development of novel targeted anticancer drugs has shown a great progress, cancer remains the major leading cause of death in the world. Therefore, selective blockade of EGFR, which has been overexpressed in numerous cancer types, has been shown to be an effective therapeutic approach against cancers. Four series of 4-anilinoquinazoline derivatives were designed and synthesized as potential anti-proliferative agents and eight cell lines were used to measure cytotoxic sensitivity. Compound (6-(4-benzylpiperazin-1-ylsulfonyl)-4-(4-bromoanilino)quinazoline) showed the most potent inhibitory activity against MCF-7 cell line and molecular docking studies supported its strong inhibitory activity and help to design novel potent inhibitors. See the article by Yassen *et al.* on page 454 of this issue.