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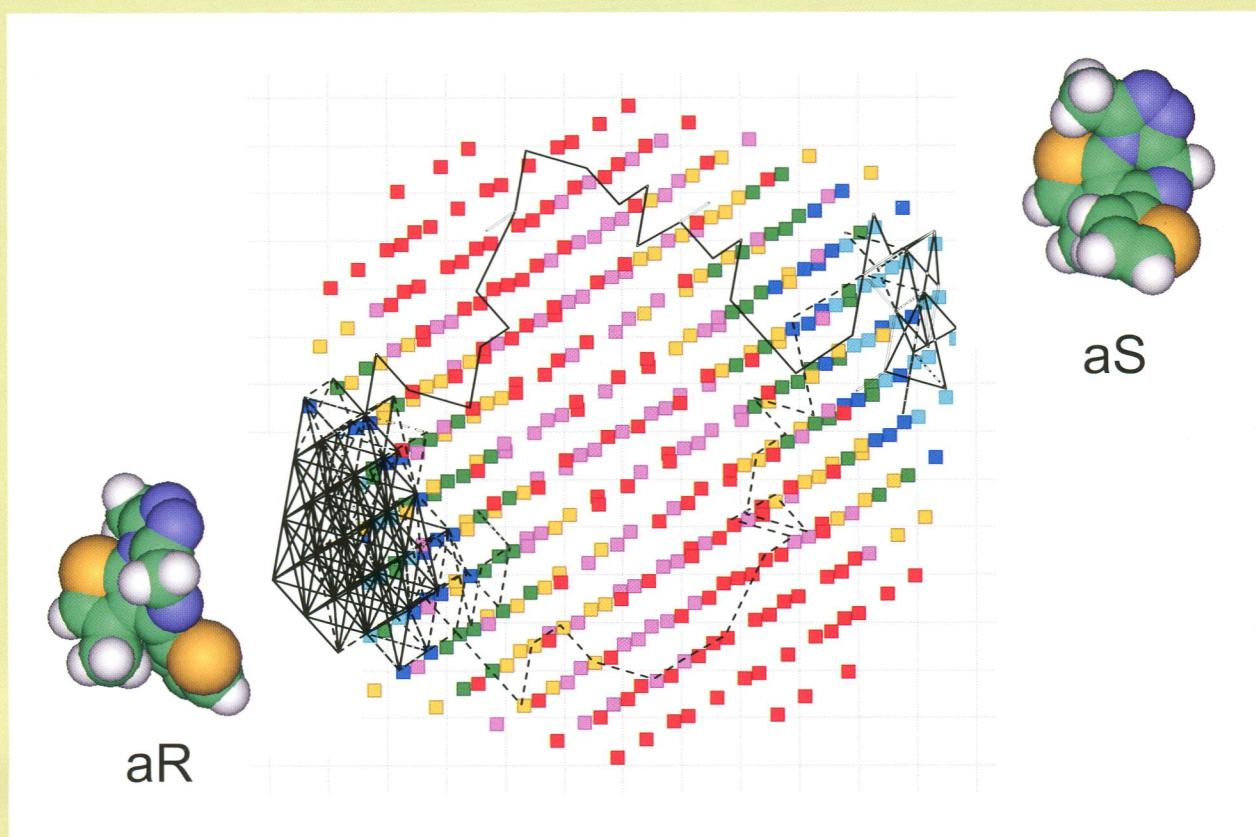
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Monte Carlo Simulations on Atropisomerism of Thienotriazolodiazepines
Applicable to Slow Transition Phenomena Using Potential Energy
Surfaces by *ab initio* Molecular Orbital Calculations

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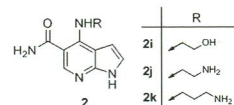
THE PHARMACEUTICAL SOCIETY OF JAPAN

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

Communication to the Editor

4-Amino-pyrrolopyridine-5-carboxamide: A Novel Scaffold for JAK1-Selective Inhibitors

H. Shin, M. K. Kim, and Y. Chong



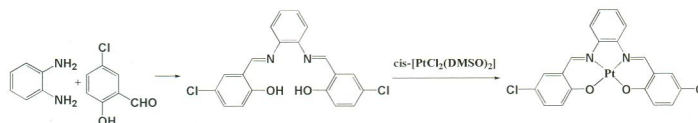
Compd	IC ₅₀ (μM)		Selectivity JAK1/JAK2
	JAK1	JAK2	
2i	2.4	49.2	20.5
2j	2.2	54.4	24.7
2k	2.6	59.4	22.8

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Regular Articles

A Planar Schiff Base Platinum(II) Complex: Crystal Structure, Cytotoxicity and Interaction with DNA

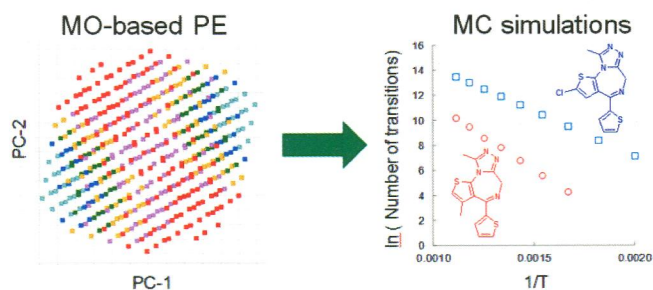
Y. Peng, H. Zhong, Z.-F. Chen, Y.-C. Liu, G.-H. Zhang, Q.-P. Qin, and H. Liang



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Monte Carlo Simulations on Atropisomerism of Thienotriazolodiazepines Applicable to Slow Transition Phenomena Using Potential Energy Surfaces by *ab initio* Molecular Orbital Calculations

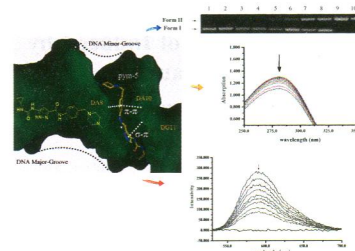
K. Morikami, Y. Itezono, M. Nishimoto, and M. Ohta



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Novel 1*H*-Pyrazole-3-carboxamide Derivatives: Synthesis, Anticancer Evaluation and Identification of Their DNA-Binding Interaction

Y. Lu, T. Ran, G. Lin, Q. Jin, J. Jin, H. Li, H. Guo, T. Lu, and Y. Wang

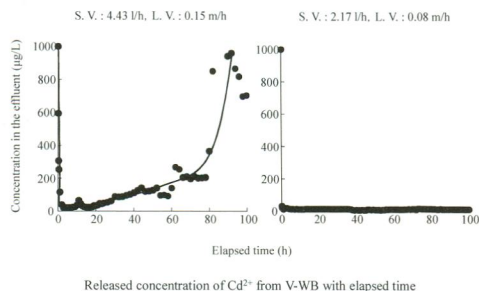


Four novel biologically active 1*H*-pyrazole-3-carboxamide derivatives have been synthesized and exhibit effective antitumor activities. The DNA interaction was investigated. Among them compound **pym-5** showed the most powerful DNA binding affinity.

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A Study on the Adsorption of Heavy Metals by Using Raw Wheat Bran Bioadsorbent in Aqueous Solution Phase

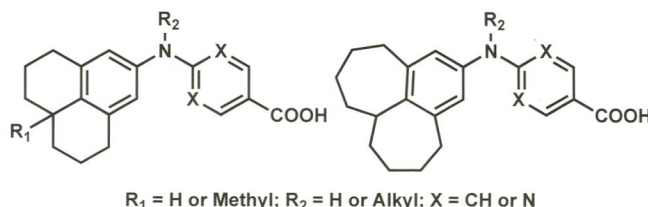
F. Ogata, M. Kangawa, Y. Iwata, A. Ueda, Y. Tanaka, and N. Kawasaki



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Diarylamines Incorporating Hexahydrophenalene or Octahydrobenzoheptalene as Retinoid X Receptor (RXR)-Specific Agonists

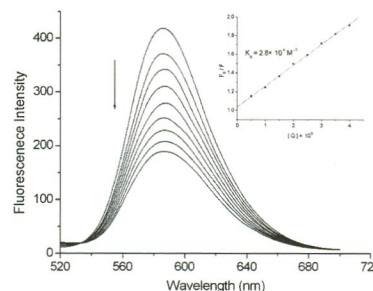
Y. Amano, M. Noguchi, and K. Shudo



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Cytotoxic Activity and DNA-Binding Properties of Isoeuxanthone Derivatives

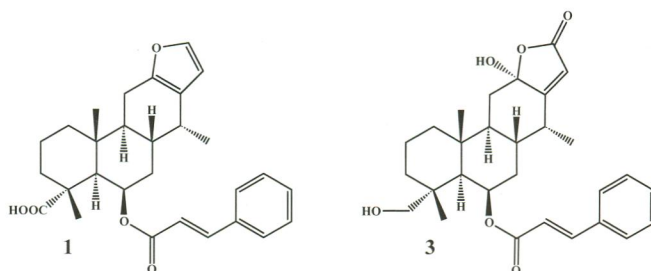
H. F. Wang, H. Yan, X. Gao, B. Niu, R. Guo, L. Wei, B. Xu, and N. Tang



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New Cassane-Type Diterpenoids of *Caesalpinia echinata* (Leguminosae) Exhibiting NF-κB Inhibitory Activities

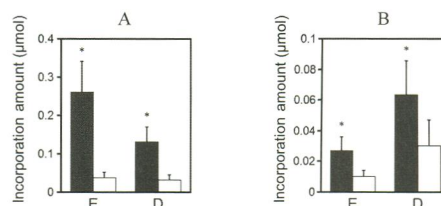
T. Mitsui, R. Ishihara, K. Hayashi, M. Sunadome, N. Matsuura, and H. Nozaki



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Efficient Delivery and Distribution in Skin of Chlorogenic Acid and Resveratrol Induced by Microemulsion Using Sucrose Laurate

R. Yutani, T. Kikuchi, R. Teraoka, and S. Kitagawa

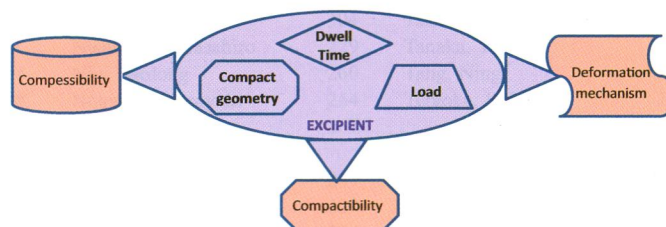


Incorporation Amount of Chlorogenic acid (A) and Resveratrol (B) in Epidermis (E) and Dermis (D) of Yucatan Micropig Skin at 40 h induced by Microemulsion using Sucrose Laurate (filled bars) and Microemulsion using Tween 80 (open bars)

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Effect of the Compaction Platform on the Densification Parameters of Tableting Excipients with Different Deformation Mechanisms

J. Rojas and S. Hernandez

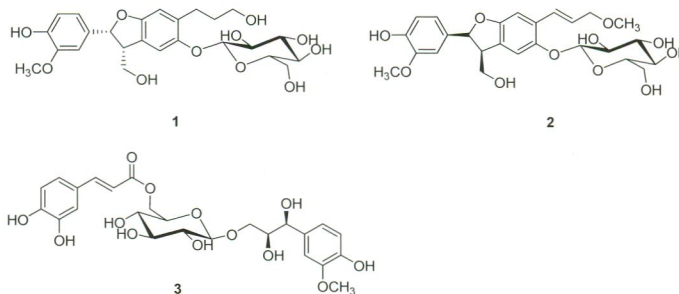


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Notes

Three New Lignan Glycosides with IL-6 Inhibitory Activity from *Akebia quinata*

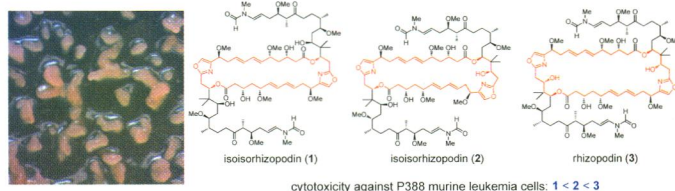
H.-G. Jin, A R. Kim, H. J. Ko, S. K. Lee, and E.-R. Woo



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Two New Ring-Contracted Congeners of Rhizopodin Illustrate Significance of the Ring Moiety of Macrolide Toxins on the Actin Disassembly-Mediated Cytotoxicity

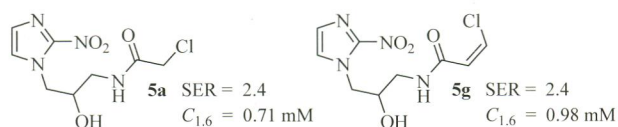
N. Oku, A. Matsumoto, T. Matsunaga, Y. Asano, H. Kasai, S. Matoba, and Y. Igarashi



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Design and Synthesis of 2-Nitroimidazoles with Variable Alkylating and Acylating Functionality

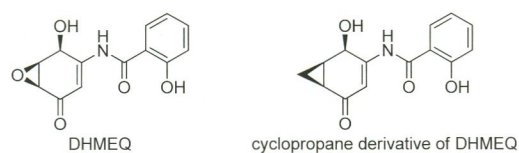
T. Winters, A. Sercel, C. Suto, W. Elliott, W. Leopold, J. Leopold, and H. Showalter



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Synthesis and Evaluation of a Cyclopropane Derivative of DHMEQ

E. Yasui, K. Takayama, T. Nakago, N. Takeda, Y. Imamura, and S. Nagumo



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