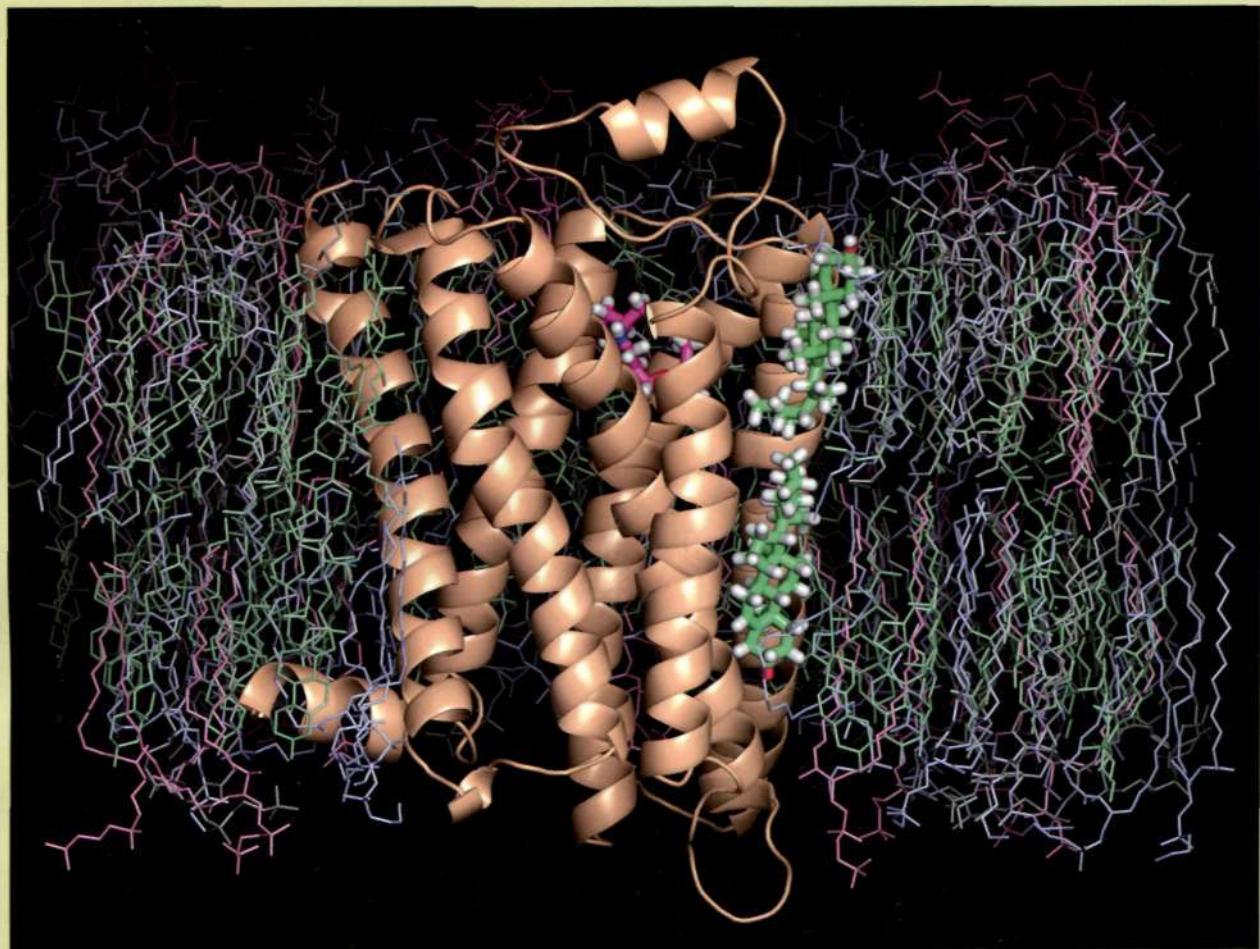


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Influence of Lipid Composition on the Structural Stability of G-Protein Coupled Receptor

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Regular Articles

Preparation and Evaluation of Sustained-Release Doxazosin Mesylate Pellets

J.-M. Ha, J.-Y. Kim, T.-O. Oh, Y.-S. Rhee, S.-C. Chi, H. Kuk, C.-W. Park, and E.-S. Park

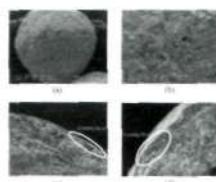


Figure A. Scanning electron micrographs of representative doxazosin mesylate pellets: (a) core pellet containing 50% MCE (x100); (b) surface of the pellet containing 50% MCE (x100); (c) cross-section of the pellet control with 2.5% Eudragit® RS PO (x400); (d) cross-section of the pellet control with 17.5% Eudragit® RS PO (x400).

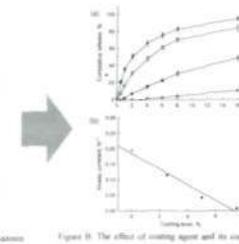


Figure B. The effect of coating agent and its coating level on dissolution rate of doxazosin mesylate from pellets. Dissolution profile (a) and kinetic constant K_d (b) of coated pellets with Eudragit® RS PO. (Mean±SD; n=3). ▲, 0%; ▽, 5%; ▼, 12.5%; ▾, 17.5%.

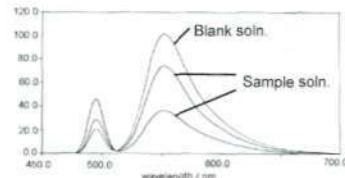
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Fluorophotometric Determination of Histone with 3,4,5,6-Tetrafluoro-2-carboxyphenylfluorone-Manganese(II) Complex and Its Characterization

K. Miyachi, M. Hoshino, H. Kadobayashi, K. Moriyama, M. Asano, T. Yamaguchi, and Y. Fujita

Standard Procedure	
Tris-HCl Buffer	1.0 mL
1.0% Triton X-100	1.0 mL
1.0×10^{-5} MTCFPF	1.0 mL
1.0×10^{-5} M Mn(II)	1.5 mL
Histone	~20 µg
↓ Total 10 mL	

Fluorescence emission spectra

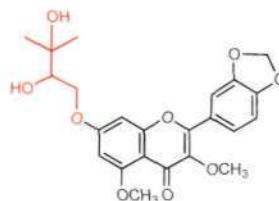


Excitation wavelength: 494 nm, Fluorescence wavelength: 552 nm

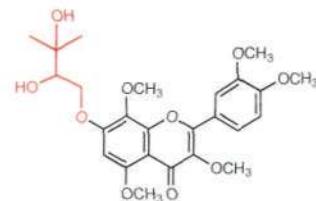
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Isolation of Five New Flavonoids from *Melicope triphylla*

M. Higa, M. Imamura, K. Ogihara, and T. Suzuka



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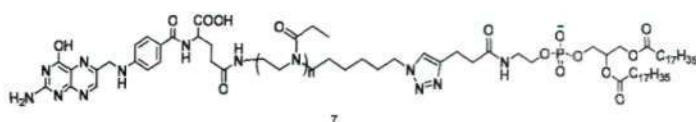


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Synthesis of a Novel Polymeric Material Folate-Poly(2-ethyl-2-oxazoline)-Distearoyl Phosphatidyl Ethanolamine Tri-Block Polymer for Dual Receptor and pH-Sensitive Targeting Liposome

G. Xia, Z. An, Y. Wang, C. Zhao, M. Li, Z. Li, and J. Ma

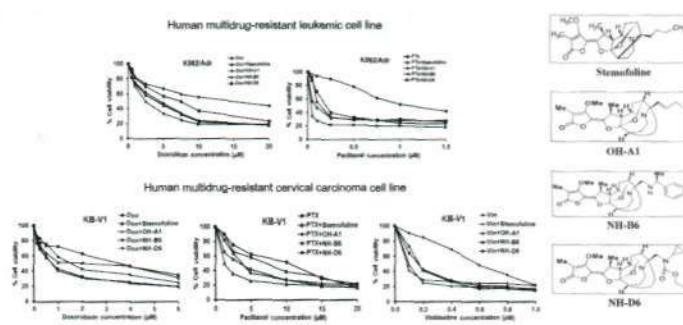


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Inhibition of P-Glycoprotein Mediated Multidrug Resistance by Stemofoline Derivatives

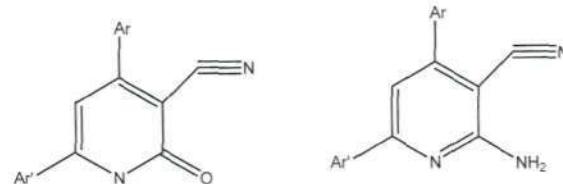
S. Umsumarng, K. Pintha, P. Pitchakarn, K. Sastraruji,
T. Sastraruji, A. T. Ung, A. Jatisatiern, S. G. Pyne, and
P. Limtrakul



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Modulating the Cyclic Guanosine Monophosphate Substrate Selectivity of the Phosphodiesterase 3 Inhibitors by Pyridine, Pyrido[2,3-*d*]pyrimidine Derivatives and Their Effects upon the Growth of HT-29 Cancer Cell Line

A. H. Abadi, M. S. Hany, S. A. Elsharif,
A. A. H. Eissa, B. D. Gary, H. N. Tinsley, and
G. A. Piazza



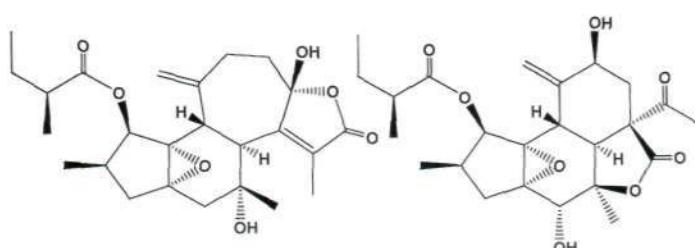
Potent PDE3 inhibitor both with cAMP/cGMPas substrates
More potent growth inhibitory to HT-29 cell lines

Potent PDE3 Inhibitor and cGMP selective
Less poetnet growth inhibitory agents to HT-29 cell line

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Eight New Diterpenoids and Two New Nor-Diterpenoids from the Stems of *Croton cascarilloides*

S. Kawakami, H. Toyoda, L. Harinantenaina,
K. Matsunami, H. Otsuka, T. Shinzato, Y. Takeda,
M. Kawahata, and K. Yamaguchi

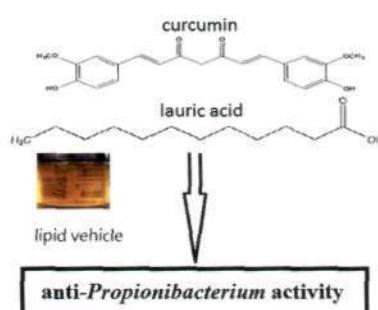


Crotocascarin A (1)

Crotocascarin α (**9**)

In Vitro Anti-*Propionibacterium* Activity by Curcumin Containing Vesicle System

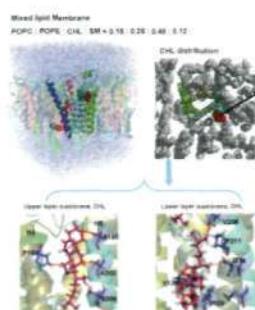
Carbamim Containing
C.-H. Liu and H.-Y. Huang



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Influence of Lipid Composition on the Structural Stability of G-Protein Coupled Receptor

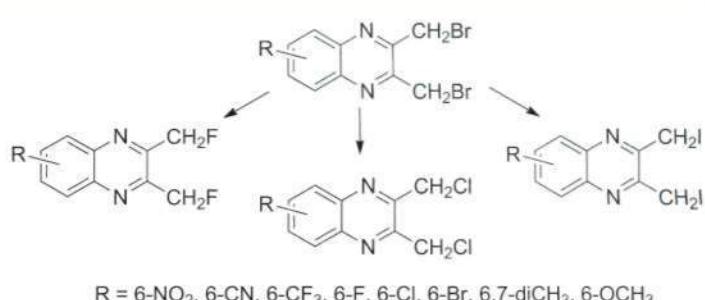
M. J. Mahmood, X. Liu, S. Neya, and T. Hoshino



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Synthesis of 2,3-Bis(halomethyl)quinoxaline Derivatives and Evaluation of Their Antibacterial and Antifungal Activities

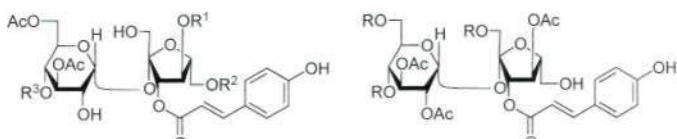
H. Ishikawa, T. Sugiyama, and A. Yokoyama



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Medicinal Flowers. XXXVIII. Structures of Acylated Sucroses and Inhibitory Effects of Constituents on Aldose Reducatase from the Flower Buds of *Prunus mume*

K. Fujimoto, S. Nakamura, T. Matsumoto, T. Ohta, K. Ogawa, H. Tamura, H. Matsuda, and M. Yoshikawa



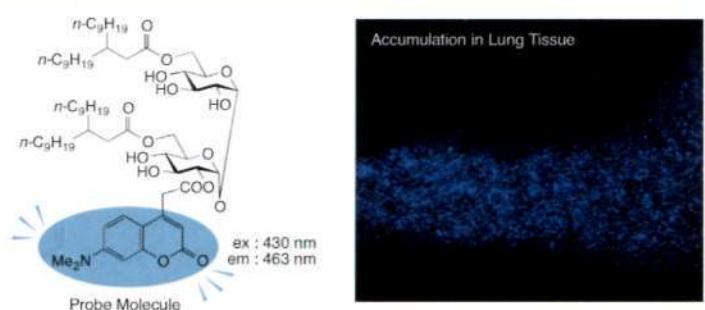
Mumeose F (1): $\text{R}^1 = \text{H}, \text{R}^2 = \text{H}, \text{R}^3 = \text{Ac}$
 Mumeose G (2): $\text{R}^1 = \text{Ac}, \text{R}^2 = \text{H}, \text{R}^3 = \text{H}$
 Mumeose I (4): $\text{R}^1 = \text{H}, \text{R}^2 = \text{Ac}, \text{R}^3 = \text{Ac}$

Mumeose H (3): $\text{R} = \text{H}$
 Mumeose J (5): $\text{R} = \text{Ac}$

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Concise Synthesis of a Probe Molecule Enabling Analysis and Imaging of Vizantin

H. Yamamoto, M. Oda, M. Nakano, K. Yabiku, M. Shibutani, T. Nakanishi, M. Suenaga, M. Inoue, H. Imagawa, M. Nagahama, Y. Matsunaga, S. Himeno, K. Setsu, J. Sakurai, and M. Nishizawa

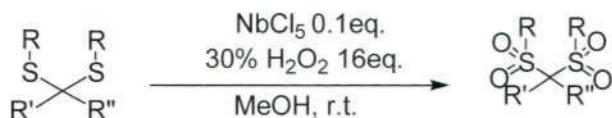


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Niobium(V) Chloride Catalyzed Oxidation of Dithioacetals with 30% Hydrogen Peroxide: A Concise Preparation of Bissulfonylmethylene Compounds

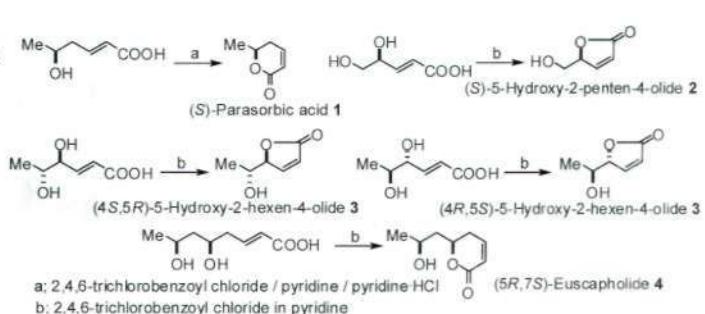
M. Kirihara, T. Goto, T. Noguchi, M. Suzuki, Y. Ishizuka, and S. Naito



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Synthesis of γ - and δ -Lactone Natural Products by Employing a *trans*–*cis* Isomerization/Lactonization Strategy

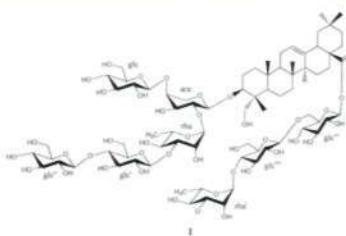
M. Ono, K. Kato, and H. Akita



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Triterpenoid Saponins of *Pulsatilla koreana* Root Have Inhibition Effects of Tumor Necrosis Factor- α Secretion in Lipopolysaccharide-Induced RAW264.7 Cells

W. Li, Y. Ding, Y. N. Sun, X. T. Yan, S. Y. Yang, C. W. Choi, J. Y. Cha, Y. M. Lee, and Y. H. Kim

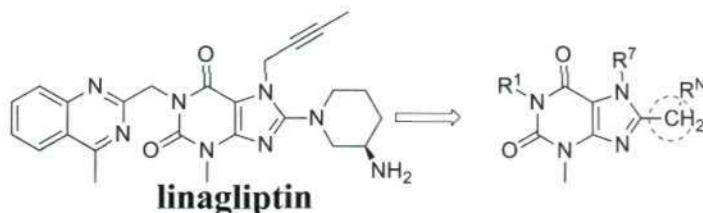


A new oleanane-type triterpenoid saponin, pulsatilloside F (I), along with 21 known triterpenoid saponins (2–22) were isolated from the root of *Pulsatilla koreana*. The anti-inflammatory effects of isolated compounds were evaluated in terms of inhibitory of TNF- α secretion in the lipopolysaccharide (LPS)-stimulated murine RAW264.7 macrophage cell line.

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Synthesis and Biological Evaluation of Xanthine Derivatives on Dipeptidyl Peptidase 4

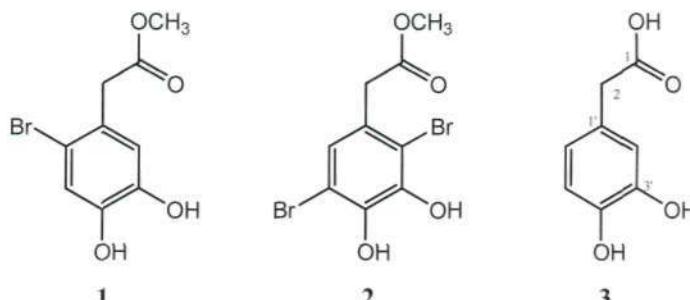
K. Lin, Z. Cai, F. Wang, W. Zhang, and W. Zhou



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Induced Production of Methyl Bromodihydroxyphenyl Acetates by the Marine-Derived Fungus *Aspergillus* sp.

A. S. Leutou, K. Yun, J. S. Kang, and B. W. Son



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Design, Synthesis and Antiviral Activity of 2-(3-Amino-4-piperazinylphenyl)chromone Derivatives

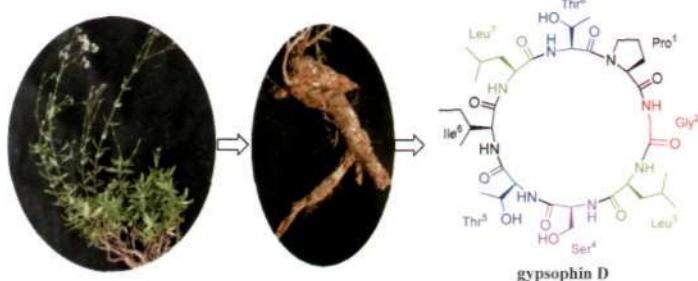
M. K. Kim, H. Yoon, D. L. Barnard, and Y. Chong

	Anti-HCV (μ M)	Anti-SARS-CoV (μ M)
1	>20	34
2	>20	51
4	1.5	42

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Six New Cyclic Peptides from the Roots of *Gypsophila oldhamiana*

G. Wang, J-G. Luo, M-H. Yang, X-B. Wang, and L-Y. Kong



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