

## Subject Index (2007-2008)

### Editorial

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**Editorial.**

Sekimizu K

2007; 1(1):1.

### News

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**China-Japan enhance joint research cooperation for drug discoveries and development: News from CJMWDDT 2007 in Jinan, China.**

Liu XY, Qu XJ, Tang W

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**China's new drug R&D is steadily advancing.**

Xu WF

2007; 1(1):3.

**China's efforts to shed its title of "Leader in liver disease".**

Li X, Xu WF

2007; 1(2):84-85.

**Tes, a potential Mena-related cancer therapy target.**

Li X

2008; 2(1):1.

**Japan-China Joint Medical Workshop on Drug Discoveries and Therapeutics 2008: The need of Asian pharmaceutical researchers' cooperation.**

Nakata M, Tang W

2008; 2(5):262-263.

### Policy Forums

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**Dynamic of modernizing traditional Chinese medicine and the standards system for its development.**

Gai RY, Xu HL, Qu XJ, Wang FS, Lou HX, Han JX, Nakata M, Kokudo N, Sugawara Y, Kuroiwa C, Tang W

2008; 2(1):2-4.

**Three decades of GMP implementation in Thailand: Hardships and success.**

Chanprapaph S

2008; 2(1):5-6.

### Reviews

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**Viral infectious disease and natural products with antiviral activity.**

Kitazato K, Wang Y, Kobayashi N

2007; 1(1):14-22.

**Target validation: A door to drug discovery.**

Chen XP, Du GH

2007; 1(1):23-29.

**Therapeutic potential of heat-processed *Panax ginseng* with respect to oxidative tissue damage.**

Yokozawa T, Kang KS, Yamabe N, Kim HY  
2007; 1(1):30-44.

**Secondary metabolites from higher fungi in China and their biological activity.**

Liu JK  
2007; 1(2):94-103.

**Progress in cell membrane chromatography.**

He LC, Wang SC, Yang GD, Zhang YM, Wang CH, Yuan BX, Hou XF  
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**Derivatization reagents in liquid chromatography/electrospray ionization tandem mass spectrometry for biomedical analysis.**

SantaT, Al-Dirbashi OY, Fukushima T  
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**Sensing and reacting to dangers by caspases: Caspase activation *via* inflammasomes.**

Takeishi A, Kuranaga E, Miura M  
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**Roles of the Duffy antigen and glycophorin A in malaria infection and erythrocyte.**

Hamamoto H, Akimitsu N, Arimitsu N, Sekimizu K  
2008; 2(2):58-63.

**Dermal drug delivery: Revisited.**

Khandavilli S, Panchagnula R  
2008; 2(2):64-73.

**S-II mediated gene regulation.**

Tano K, Nagata M, Akimitsu N  
2008; 2(3):136-139.

**Microfabrication-derived DDS: From batch to individual production.**

Takada K  
2008; 2(3): 140-155.

**Spermicidal agents.**

Shah HC, Tatke P, Singh KK  
2008; 2(4):200-210.

**Pulmonary drug delivery: Implication for new strategy for pharmacotherapy for neurodegenerative disorders.**

Islam N, Rahman S  
2008; 2(5):264-276.

**Role of multidrug resistance associated proteins in drug development.**

Zhou SF  
2008; 2(6):305-332.

**Pharmacogenomics-based clinical studies using a novel, fully automated genotyping system.**

Hasegawa S, Kimura S, Kobayashi A, Imanishi N  
2008; 2(6):333-338.

## Brief Reports

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**Analysis on productivity of clinical studies across — Asian countries a case comparison.**

Takahashi K, Sengoku S, Kimura H  
2007; 1(1):4-8.

**Lack of polymorphisms in the coding region of the highly conserved gene encoding transcription elongation factor S-II (TCEAI).**

Ito T, Doi K, Matsumoto N, Kakihara F, Noiri E, Hasegawa S, Tokunaga K, Sekimizu K  
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**GMP implementation in China: A double-edged sword for the pharmaceutical industry.**

Gai RY, Qu XJ, Lou HX, Han JX, Cui SX, Nakata M, Kokudo N, Sugawara Y, Kuroiwa C, Tang W  
2007; 1(1):12-13.

**Study of drug resistance among 78 antiretroviral treatment-naïve patients with HIV-1 subtype B infection in central China.**

Wang JQ, Huang XJ, Zhang HW, Li ZC, Wang XC, Li HY, Shen CL, Guo CP, Wei FL, Zhang T, Wu H  
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**A silkworm model of pathogenic bacterial infection.**

Kaito C, Sekimizu K  
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**Establishment of a new cell line for performing sensitive screening of nuclear export inhibitors.**

Watanabe K, Noda S, Kobayashi N  
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**Localization of glucagon-like peptide-2 receptor mRNA expression at different sites in the small intestine of rats.**

Ikeda K, Myotoku M, Kurokawa N, Hirotsu Y  
2008; 2(1):10-13.

**On the temperature dependence of the unbound drug fraction in plasma: Ultrafiltration method may considerably underestimate the true value for highly bound drugs.**

Berezhkovskiy LM  
2008; 2(2):74-76.

**Novel N-hydroxybenzamide histone deacetylase inhibitors as potential anti-cancer agents.**

Jiao J, Fang H, Xu WF  
2008; 2(4):211-215.

**Synthesis and antifungal activity of 3-substituted thiochromanones.**

Liu Y, Luo W, Sun L, Guo C  
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**Effect of drug-polymer binary mixtures on the *in-vitro* release of ibuprofen from transdermal drug-in-adhesive layers.**

Ho KY, Ord M, Dodou K  
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**Effect of benzyl-N-acetyl- $\alpha$ -galactosaminide on KL-6 mucin expression and invasive properties of a human pancreatic carcinoma cell line.**

Xu HL, Inagaki Y, Wang FS, Kokudo N, Nakata M, Tang W  
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**Antioxidant activity of wild plants collected in Beni-Sueif governorate, Upper Egypt.**

Abouzid S, Elshahaat A, Ali S, Choudhary MI  
2008; 2(5):286-288.

**Apoptosis-inducing effect of cinobufacini, *Bufo bufo gargarizans* Cantor skin extract, on human hepatoma cell line BEL-7402.**

Qi FH, Li AY, Lv H, Zhao L, Li JJ, Gao B, Tang W  
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## Original Articles

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**Anti-depressant and anti-nociceptive effects of 1,4-benzodiazepine-2-ones based cholecystokinin (CCK<sub>2</sub>) antagonists.**

Lattmann E, Sattayasai J, Lattmann P, Billington DC, Schwalbe CH, Boonprakob J, Airarat W, Singh H, Offel M, Staaf A  
2007; 1(1):45-56.

**ONIOM DFT/PM3 calculations on the interaction between dapivirine and HIV-1 reverse transcriptase, a theoretical study.**

Liang YH, Chen FE  
2007; 1(1):57-60.

**Studies on the development of rapidly disintegrating hyoscine butylbromide tablets.**

Khattab IS, Zaghloul AA, Afouna MI  
2007; 1(1):61-64.

**Investigation of the binding behaviors of isonucleoside-incorporated oligonucleotides with complementary sequences.**

Guan Z, Jin HW, Yang ZJ, Zhang LR, Zhang LH.  
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**Modification of 15-akylidene andrographolide derivatives as alpha-glucosidase inhibitor.**

Xu HW, Liu GZ, Dai GF, Wu CL, Liu HM  
2007; 1(1):73-77.

**Evaluation of transdermal permeability of pentoxifylline gel: *in vitro* skin permeation and *in vivo* microdialysis using Wistar rats.**

Yan KS, Yan TX, Guo H, Li JZ, Wei LL, Wang C, Nie SF, Pan WS.  
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**Synthesis and cytotoxic activity of 3-phenyl-2-thio-quinoxaline 1,4-dioxide derivatives in hypoxia and in normoxia.**

Sheng R, Xu Y, Weng QJ, Xia Q, He QJ, Yang B, Hu YZ  
2007; 1(2):119-123.

**A novel method to suppress the dispersal of Japanese cedar pollen by inducing morphologic changes with weak alkaline solutions.**

Ishii K, Hamamoto H, Sekimizu K  
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**The effects of antidepressant drug on ethanol-induced cell death.**

Johnson S, Williams AN, Johnson C, Ou XM  
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**A simple and rapid high performance liquid chromatography method to determine levofloxacin in human plasma and its use in a bioequivalence study.**

Gao XX, Yao GC, Guo N, An F, Guo XJ  
2007; 1(2):136-140.

**Pharmacologic action of oseltamivir on the nervous system.**

Ishii K, Hamamoto H, Sasaki T, Ikegaya Y, Yamatsugu K, Kanai M, Shibasaki M, Sekimizu K  
2008; 2(1):24-34.

**Immunosuppressive effect of ER-38925, a retinoic acid receptor subtype  $\alpha$ -selective agonist, in mouse models of human graft-*vs*-host disease.**

Hida T, Shikata K, Tokuhara N, Ishibashi A, Nagai M, Yamauchi T, Kobayashi S  
2008; 2(1):35-44.

**A new method of preparing TRH derivative-loaded poly(dl-lactide-coglycolide) microspheres based on a solid solution system.**

Matsumoto A, Matsukawa Y, Nishioka Y, Harada M, Horikiri Y, Yamahara H  
2008; 2(1):45-51.

**3D-QSAR study with pharmacophore-based molecular alignment of hydroxamic acid-related phosphinates that are aminopeptidase N inhibitors.**

Zhu HW, Fang H, Wang L, Hu WX, Xu WF  
2008; 2(1):52-57.

**Hsc70 regulates the nuclear export but not the import of influenza viral RNP: A possible target for the development of anti-influenza virus drugs.**

Watanabe K, Takizawa N, Noda S, Tsukahara F, Maru Y, Kobayashi N  
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**UVB-dependent generation of reactive oxygen species by catalase and IgG under UVB light: Inhibition by antioxidants and anti-inflammatory drugs.**

Murakami M, Taniguchi M, Takama M, Cui JH, Oyanagui Y  
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**Formulation and hypoglycemic activity of pioglitazone-cyclodextrin inclusion complexes.**

Elbary AA, Kassem MA, Abou Samra MM, Khalil RM  
2008; 2(2):94-107.

**Reconstituted powder for suspension of antitubercular drugs formulated as microspheres for pediatric use.**

Samad A, Sultana Y, Khar RK, Aqil M, Chuttani K, Mishra AK  
2008; 2(2):108-114.

**Synthesis and biological evaluation of substituted phenylpyrazole[4,5-*b*]oleanane derivatives as inhibitors of glycogen phosphorylase.**

Chen J, Gong YC, Liu J, Zhang LY, Hua WY, Sun HB  
2008; 2(2):115-121.

**Using factorial design to improve the solubility and *in-vitro* dissolution of nimesulide hydrophilic polymer binary systems.**

Khattab IS, Al-Saidan SM, Nada AH, Zaghoul AA  
2008; 2(2):122-127.

**Iontophoretic delivery of 5-fluorouracil through excised human stratum corneum.**

Singh BN, Jayaswal SB  
2008; 2(2):128-135.

**Cholecystokinin antagonists (part 1): Antinociceptive, anxiolytic and antidepressant effects of *N*-(5-methyl-3-oxo-1,2-diphenyl-2,3-dihydro-1*H*-pyrazol-4-yl)-*N'*-phenylureas and carboxamides.**

Lattmann E, Sattayasai J, Boonprakob Y, Singh H, Lattmann P, Dunn S  
2008; 2(3):156-167.

**Injection of cell-wall skeleton of *Mycobacterium bovis* BCG draining to a sentinel lymph node eliminates both lymph node metastases and the primary transplanted tumor.**

Kashiwazaki Y, Murata M, Sato T, Miyauchi M, Nakagawa M, Fukushima A, Chiba N, Azuma I, Yamaoka T  
2008; 2(3):168-177.

**Immune response against cell-wall skeleton of *Mycobacterium bovis* BCG at the inoculation site and peripheral lymphoid organs.**

Kashiwazaki Y, Murata M, Fujii T, Nakagawa M, Fukushima A, Chiba N, Azuma I, Yamaoka T  
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**Preliminary research on abating rat testicle toxicity due to triptolide after oral polymer nanoparticle delivery.**

Liu MX, Dong J, Yang YJ, Yang XL, Xu HB  
2008; 2(3):188-193.

**Questionnaire on the awareness of generic drugs among outpatients and medical staff.**

Hoshi S, Kimura H  
2008; 2(3):194-199.

**Transdermal patch incorporating salbutamol sulphate: *In vitro* and clinical characterization.**

El-Gendy NA, Sabry NA, El-Attar M, Omar E, Mahmoud M  
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**Establishment of a cell-based assay to screen insulin-like hypoglycemic drugs.**

Zhang L, Hu JJ, Du GH  
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**Inhibition of *in vivo* angiogenesis by *Anacardium occidentale* L. involves repression of the cytokine VEGF gene expression.**

Lingaraju SM, Keshavaiah K, Salimath BP  
2008; 2(4):234-244.

**Production of a human antibody fragment against the insulin-like growth factor I receptor as a fusion protein.**

Kusada Y, Morizono T, Sakai K, Takayanagi A, Shimizu N, Fujita-Yamaguchi Y  
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**The effects of dietary obesity on protein expressions of insulin signaling pathway in rat aorta.**

Fatani SH, Naderali EK, Panchiani S, Shah F, Wong C  
2008; 2(4):254-261.

**The neuroprotective effect of antidepressant drug *via* inhibition of TIEG2-MAO B mediated cell death.**

Lu D, Johnson C, Johnson S, Tazik S, Ou XM  
2008; 2(5):289-295.

**Regulation of the nitric oxide synthesis pathway and cytokine balance contributes to the healing action of *Myristica malabarica* against indomethacin-induced gastric ulceration in mice.**

Maity B, Banerjee D, Bandyopadhyay SK, Chattopadhyay S  
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**Part 2. Long term *in vivo/in vitro* evaluation of the Cholecystokinin antagonists: *N*-(5-methyl-3-oxo-1,2-diphenyl-2,3-dihydro-1*H*-pyrazol-4-yl)-*N'*-phenylurea MPP and carboxamide MPM.**

Lattmann E, Boonprakob Y, Sattayasai J

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**Pioglitazone attenuates tactile allodynia and microglial activation in mice with peripheral nerve injury.**

Iwai S, Maeda T, Kiguchi N, Kobayashi Y, Fukazawa Y, Ozaki M, Kishioka S

2008; 2(6):353-356.

**Phenolphthalein treatment in pregnant women and congenital abnormalities in their offspring: A population-based case-control study.**

Bánhidly F, Ács N, Puhó EH, Czeizel AE

2008; 2(6):357-367.