

Subject Index (2012)

Reviews

Evidence-based research on traditional Japanese medicine, Kampo, in treatment of gastrointestinal cancer in Japan.

Gao JJ, Song PP, Qi FH, Kokudo N, Qu XJ, Tang W
2012; 6(1):1-8. (DOI: 10.5582/ddt.2012.v6.1.1)

Up-frameshift protein 1 (UPF1): Multitalented entertainer in RNA decay.

Imamachi N, Tani H, Akimitsu N
2012; 6(2):55-61. (DOI: 10.5582/ddt.2012.v6.2.55)

Monoamine oxidases in major depressive disorder and alcoholism.

Duncan J, Johnson S, Ou XM
2012; 6(3):112-122. (DOI: 10.5582/ddt.2012.v6.3.112)

Improved treatment of nicotine addiction and emerging pulmonary drug delivery.

Islam N, Rahman S
2012; 6(3):123-132. (DOI: 10.5582/ddt.2012.v6.3.123)

Research progress in the radioprotective effect of superoxide dismutase.

Huang XJ, Song CX, Zhong CQ, Wang FS
2012; 6(4):169-177. (DOI: 10.5582/ddt.2012.v6.4.169)

An overview on antiepileptic drugs.

Das N, Dhanawat M, Shrivastava SK
2012; 6(4):178-193. (DOI: 10.5582/ddt.2012.v6.4.178)

Topoisomerase II α , rather than II β , is a promising target in development of anti-cancer drugs.

Chen W, Qiu J, Shen YM
2012; 6(5):230-237. (DOI: 10.5582/ddt.2012.v6.5.230)

Review of drugs for Alzheimer's disease.

Sun XT, Jin L, Ling PX
2012; 6(6):285-290. (DOI: 10.5582/ddt.2012.v6.6.285)

Brief Reports

Synthesis of solasodine glycoside derivatives and evaluation of their cytotoxic effects on human cancer cells.

Cui CZ, Wen XS, Cui M, Gao J, Sun B, Lou HX
2012; 6(1):9-17. (DOI: 10.5582/ddt.2012.v6.1.9)

Identification and evaluation of agents isolated from traditionally used herbs against *Ophiophagus hannah* venom.

Salama R, Sattayasai J, Gande AK, Sattayasai N, Davis M, Lattmann E
2012; 6(1):18-23. (DOI: 10.5582/ddt.2012.v6.1.18)

Synthesis and anticancer activity of novel 5-(indole-2-yl)-3-substituted 1,2,4-oxadiazoles.

Wang P, Liu JZ, Xing HL, Liu Y, Xie WC, Zhao GS
2012; 6(3):133-139. (DOI: 10.5582/ddt.2012.v6.3.133)

Anti-inflammatory activities of fractions from *Geranium nepalense* and related polyphenols.

Lu CH, Li YY, Li LJ, Liang LY, Shen YM
2012; 6(4):194-197. (DOI: 10.5582/ddt.2012.v6.4.194)

A new boronic acid-based fluorescent sensor for L-dihydroxyphenylalanine.

Wu ZY, Yang XY, Xu WF, Wang BH, Fang H
2012; 6(5):238-241. (DOI: 10.5582/ddt.2012.v6.5.238)

Original Articles

LKB1, TP16, EGFR, and KRAS somatic mutations in lung adenocarcinomas from a Chiba Prefecture, Japan cohort.

Suzuki Y, Oonishi T, Kudo T, Doi H
2012; 6(1):24-30. (DOI: 10.5582/ddt.2012.v6.1.24)

Inhibition of morphine tolerance is mediated by painful stimuli *via* central mechanisms.

Iwai S, Kiguchi N, Kobayashi Y, Fukazawa Y, Saika F, Ueno K, Yamamoto C, Kishioka S
2012; 6(1):31-37. (DOI: 10.5582/ddt.2012.v6.1.31)

Comparison of antioxidant activity of compounds isolated from guava leaves and a stability study of the most active compound.

Nantitanon W, Okonogi S
2012; 6(1):38-43. (DOI: 10.5582/ddt.2012.v6.1.38)

A novel flow-injection analysis system for evaluation of antioxidants by using sodium dichloroisocyanurate as a source of hypochlorite anion.

Ichiba H, Hanami K, Yagasaki K, Tanaka M, Ito H, Fukushima T
2012; 6(1):44-48. (DOI: 10.5582/ddt.2012.v6.1.44)

Stability-indicating HPLC method for the determination of the stability of oxytocin parenteral solutions prepared in polyolefin bags.

Kaushal G, Sayre BE, Prettyman T
2012; 6(1):49-54. (DOI: 10.5582/ddt.2012.v6.1.49)

A facile method for the synthesis of *N*-(α -aminoacyl) sulfonamides.

Wu SL, Chen ML, Wang YT, Hou XB, Yang XY, Su L, Fang H
2012; 6(2):62-68. (DOI: 10.5582/ddt.2012.v6.2.62)

In silico ligand based design of indolylpiperidiny derivatives as novel histamine H₁ receptor antagonists.

Paliwal S, Singh S, Pal M
2012; 6(2):69-77. (DOI: 10.5582/ddt.2012.v6.2.69)

Synthesis, analgesic, anti-inflammatory and ulcerogenic properties of some novel *N'*-((1-(substituted amino)methyl)-2-oxoindolin-3-ylidene)-4-(2-(methyl/phenyl)-4-oxoquinazolin-3(4*H*)-yl)benzohydrazide derivatives.

Saravanan G, Alagarsamy V, Prakash CR
2012; 6(2):78-87. (DOI: 10.5582/ddt.2012.v6.2.78)

Evaluation of innate immune stimulating activity of polysaccharides using a silkworm (*Bombyx mori*) muscle contraction assay.

Fujiyuki T, Hamamoto H, Ishii K, Urai M, Kataoka K, Takeda T, Shibata S, Sekimizu K
2012; 6(2):88-93. (DOI: 10.5582/ddt.2012.v6.2.88)

Regulation of Janus-activated kinase-2 (JAK2) by diindolylmethane in ovarian cancer *in vitro* and *in vivo*.

Kandala PK, Srivastava SK
2012; 6(2):94-101. (DOI: 10.5582/ddt.2012.v6.2.94)

Analyzing global trends of biomarker use in drug interventional clinical studies.

Hayashi K, Masuda S, Kimura H
2012; 6(2):102-107. (DOI: 10.5582/ddt.2012.v6.2.102)

Time and dose-response effects of honokiol on UVB-induced skin cancer development.

Guillermo RF, Chilampalli C, Zhang X, Zeman D, Fahmy H, Dwivedi C
2012; 6(3):140-146. (DOI: 10.5582/ddt.2012.v6.3.140)

Ameliorating effect of DL- α -lipoic acid against cisplatin-induced nephrotoxicity and cardiotoxicity in experimental animals.

Hussein A, Ahmed AAE, Shouman SA, Sharawy S
2012; 6(3):147-156. (DOI: 10.5582/ddt.2012.v6.3.147)

Evaluation of skin surface hydration state and barrier function of stratum corneum of dorsa of hands and heels treated with PROTECT X2 skin protective cream.

Kubota T
2012; 6(3):157-162. (DOI: 10.5582/ddt.2012.v6.3.157)

Effect of surfactant on lycopene-loaded nanostructured lipid carriers.

Riangjanapatee P, Okonogi S
2012; 6(3):163-168. (DOI: 10.5582/ddt.2012.v6.3.163)

Synthesis and structure-activity relationship study of 2-(substituted benzylidene)-7-(4-fluorophenyl)-5-(furan-2-yl)-2H-thiazolo[3,2-a]pyrimidin-3(7H)-one derivatives as anticancer agents.

Selvam TP, Karthick V, Kumar PV, Ali MA
2012; 6(4):198-204. (DOI: 10.5582/ddt.2012.v6.4.198)

Antioxidant and hepatoprotective activity of an ethanol extract of *Syzygium jambos* (L.) leaves.

Islam MR, Parvin MS, Islam ME
2012; 6(4):205-211. (DOI: 10.5582/ddt.2012.v6.4.205)

Antimicrobial screening of some Egyptian plants and active flavones from *Lagerstroemia indica* leaves.

Diab Y, Atalla K, Elbanna K
2012; 6(4):212-217. (DOI: 10.5582/ddt.2012.v6.4.212)

Optimization of cell-wall skeleton derived from *Mycobacterium bovis* BCG Tokyo 172 (SMP-105) emulsion in delayed-type hypersensitivity and antitumor models.

Miyauchi M, Murata M, Fukushima A, Sato T, Nakagawa M, Fujii T, Koseki N, Chiba N, Kashiwazaki Y
2012; 6(4):218-225. (DOI: 10.5582/ddt.2012.v6.4.218)

Cloning and expression analysis of squalene synthase, a key enzyme involved in antifungal steroidal glycoalkaloids biosynthesis from *Solanum nigrum*.

Sun Y, Zhao Y, Wang L, Lou HX, Cheng AX
2012; 6(5):242-248. (DOI: 10.5582/ddt.2012.v6.5.242)

Enhancement of anti-cholinesterase activity of *Zingiber cassumunar* essential oil using a microemulsion technique.

Okonogi S, Chaiyana W
2012; 6(5):249-255. (DOI: 10.5582/ddt.2012.v6.5.249)

Subcutaneous concentrations following topical iontophoretic delivery of diclofenac.

Kasha PC, Anderson CR, Morris RL, Sembrowich WL, Chaturvedula A, Banga AK

2012; 6(5):256-262. (DOI: 10.5582/ddt.2012.v6.5.256)

Selection of generic preparations of famotidine orally disintegrating tablets for use in unit-dose packages.

Yamazaki N, Iizuka R, Miyazawa S, Wada Y, Shimokawa K, Ishii F
2012; 6(5):263-268. (DOI: 10.5582/ddt.2012.v6.5.263)

Development of an osmotic pump system for controlled delivery of diclofenac sodium.

Emara LH, Taha NF, Badr RM, Mursi NM
2012; 6(5):269-277. (DOI: 10.5582/ddt.2012.v6.5.269)

Role of NPxY motif in Draper-mediated apoptotic cell clearance in *Drosophila*.

Fujita Y, Nagaosa K, Shiratsuchi A, Nakanishi Y
2012; 6(6):291-297. (DOI: 10.5582/ddt.2012.v6.6.291)

***In vitro* free radical scavenging and anti-hyperglycemic activities of *Achyranthes aspera* extract in alloxan-induced diabetic mice.**

Talukder FZ, Khan KA, Uddin R, Jahan N, Alam MA
2012; 6(6):298-305. (DOI: 10.5582/ddt.2012.v6.6.298)

Neuroprotective and hepatoprotective effects of micronized purified flavonoid fraction (Daflon®) in lipopolysaccharide-treated rats.

Abdel-Salam OME, Youness ER, Mohammed NA, Abd-Elmoniem M, Omara E, Sleem AA
2012; 6(6):306-314. (DOI: 10.5582/ddt.2012.v6.6.306)

The synergistic effect of SaOS-2 cell extract and other bone-inducing agents on human bone cell cultivation.

Saif A, Wende K, Lindequist U
2012; 6(6):315-320. (DOI: 10.5582/ddt.2012.v6.6.315)

Separation of the enantiomers of naringenin and eriodictyol by amylase-based chiral reversed-phase high-performance liquid chromatography.

Guo XJ, Li C, Duan LL, Zhao LJ, Lou HX, Ren DM
2012; 6(6):321-326. (DOI: 10.5582/ddt.2012.v6.6.321)

Case Report

Aortopulmonary fistula caused by an infected thoracic aortic false aneurysm rupturing after endovascular stent placement.

Yamashita S, Dohi T, Shimizu Y, Momomura S
2012; 6(5):278-282. (DOI: 10.5582/ddt.2012.v6.5.278)

Commentary

Standardization of perioperative management on hepato-biliary-pancreatic surgery.

Gao JJ, Song PP, Tamura S, Hasegawa K, Sugawara Y, Kokudo N, Uchida K, Orii R, Qi FH, Dong JH, Tang W
2012; 6(2):108-111. (DOI: 10.5582/ddt.2012.v6.2.108)

Animal welfare and use of silkworm as a model animal.

Sekimizu N, Paudel A, Hamamoto H
2012; 6(4):226-229. (DOI: 10.5582/ddt.2012.v6.4.226)

Letters

A comment on: *Research progress in the radioprotective effect of superoxide dismutase.*

Bhandari PR

2012; 6(5):283-284. (DOI: 10.5582/ddt.2012.v6.5.283)

Attenuation of tumor growth by honokiol: An evolving role in oncology.

Kapoor S

2012; 6(6):327-328. (DOI: 10.5582/ddt.2012.v6.6.327)