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## Originals in English

### *Analytical Chemistry*

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*Chemical & Pharmaceutical Bulletin*, **56**(10): 1406-1411, 2008

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**[T2] Studies on 1-alkylamine adduct formation in electrospray ionization mass spectrometry for quantitative analysis**

Koichiro Teshima, Tomoki Yoneyama and Takahiro Kondo

*Journal of Pharmaceutical and Biomedical Analysis*, **47**(4-5): 962-966, 2008

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### *Organic Chemistry*

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Shokyo Miki, Koji Nakamoto, Jun-ichi Kawakami, Syoji Handa and Shigeru Nuwa

*Synthesis*, **2008**(3): 409-412

三木正敬, 中本幸治, 川上淳一, 半田尚史, 怒和 蔚

### *Medicinal Chemistry*

**[T4] Catalytic Enantioselective Alkylation of Substituted Dioxanone Enol Ethers: Ready Access to C( $\alpha$ )-Tetrasubstituted Hydroxyketones, Acids, and Esters**

Masaki Seto, Jennifer L. Roizen<sup>a</sup> and Brian M. Stoltz<sup>a</sup>

*Angewandte Chemie. International edition in English*, **47**(36): 6873-6876, 2008

瀬戸雅樹

<sup>a</sup> California Institute of Technology, USA

**[T5] Discovery of sulfonylalkylamides: A new class of orally active factor Xa inhibitors**

Yasuhiro Imaeda, Toshio Miyawaki, Hiroki Sakamoto, Fumio Itoh, Noriko Konishi,

Katsuhiko Hiroe, Masaki Kawamura, Toshimasa Tanaka and Keiji Kubo

*Bioorganic & Medicinal Chemistry*, **16**(5): 2243-2260, 2008

今枝泰宏, 宮脇敏雄, 坂本博輝, 伊藤文雄, 小西典子, 廣江克彦, 川村正起, 田中稔祐,

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Yasuhiro Imaeda, Tetsuji Kawamoto, Mamoru Tobisu, Noriko Konishi, Katsuhiko Hiroe,

Masaki Kawamura, Toshimasa Tanaka and Keiji Kubo

*Bioorganic & Medicinal Chemistry*, **16**(6): 3125-3140, 2008

今枝泰宏, 川本哲治, 鷺巣 守, 小西典子, 廣江克彦, 川村正起, 田中稔祐, 久保恵司

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Manami Kaneko, Shota Ikeda, Hideki Igata, Tomohiro Kawamoto, Satoshi Sogabe,

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*Bioorganic & Medicinal Chemistry*, **16**(8): 4699-4714, 2008

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Shin-ichi Matsumoto, Masashi Yamaguchi, Hiroyuki Kimura and Fumio Itoh

*Bioorganic & Medicinal Chemistry*, **16**(8): 4715-4732, 2008

浅野恭臣, 北村周治, 邑楽泰一, 麻生和義, 井形英樹, 田村知子, 河本朋広, 田中稔祐,

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*Chemical & Pharmaceutical Bulletin*, **56**(8): 1126-1137, 2008

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*Current Topics in Medicinal Chemistry*, **8**(17): 1483-1507, 2008

長 展生, 百瀬 祐

**[T11] Discovery of Imidazo[1,5-*c*]imidazol-3-ones: Weakly Basic, Orally Active Factor Xa Inhibitors**

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Noriko Konishi, Katsuhiko Hiroe, Masaki Kawamura, Toshimasa Tanaka and Keiji Kubo

*Journal of Medicinal Chemistry*, **51**(12): 3422-3436, 2008

今枝泰宏, 黒板孝信, 坂本博輝, 川本哲治, 鷺巣 守, 小西典子, 廣江克彦, 川村正起, 田中稔祐,

久保恵司

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Yumi N. Imai, Yoshihisa Inoue, Isao Nakanishi and Kazuo Kitaura

*Protein Science*, **17**(7): 1129-1137, 2008

今井友美, 井上佳久, 仲西 功, 北浦和夫

***Biochemistry and Biotechnology*****[T13] Conformational switch of angiotensin II type 1 receptor underlying mechanical stress-induced activation**Noritaka Yasuda<sup>a</sup>, Shin-ichiro Miura<sup>b</sup>, Hiroshi Akazawa<sup>a</sup>, Toshimasa Tanaka, Yingjie Qin<sup>a</sup>,Yoshihiro Kiya<sup>b</sup>, Satoshi Imaizumi<sup>b</sup>, Masahiro Fujino<sup>b</sup>, Kaoru Ito<sup>a</sup>, Yunzeng Zou<sup>c</sup>,Shigetomo Fukuhara<sup>d</sup>, Satoshi Kunimoto<sup>d</sup>, Koichi Fukuzaki<sup>a</sup>, Toshiaki Sato<sup>a</sup>, Junbo Ge<sup>c</sup>,Naoki Mochizuki<sup>d</sup>, Haruaki Nakaya<sup>a</sup>, Keijiro Saku<sup>b</sup> and Issei Komuro<sup>a</sup>*EMBO reports*, **9**(2): 179-186, 2008康田典鷹<sup>a</sup>, 三浦伸一郎<sup>b</sup>, 赤澤 宏<sup>a</sup>, 田中稔祐, 木谷嘉博<sup>b</sup>, 今泉 聡<sup>b</sup>, 藤野正礼<sup>b</sup>, 伊藤 薫<sup>a</sup>,福原茂朋<sup>d</sup>, 國本 聡<sup>d</sup>, 福崎紘一<sup>a</sup>, 佐藤俊明<sup>a</sup>, 望月直樹<sup>d</sup>, 中谷晴昭<sup>a</sup>, 朔 啓二郎<sup>b</sup>,小室一成<sup>a</sup><sup>a</sup> Chiba University Graduate School of Medicine, Chiba<sup>b</sup> Fukuoka University School of Medicine, Fukuoka<sup>c</sup> Zhongshan Hospital, Fudan University, China<sup>d</sup> National Cardiovascular Center Research Institute, Osaka***Pharmacology*****[T14] TAK-242 selectively suppresses Toll-like receptor 4-signaling mediated by the intracellular domain**

Tomohiro Kawamoto, Masayuki Ii, Tomoyuki Kitazaki, Yuji Iizawa and Hiroyuki Kimura

*European Journal of Pharmacology*, **584**(1): 40-48, 2008

河本朋広, 伊井雅幸, 北崎智幸, 飯沢祐史, 木村宏之

**[T15] Chronic administration of alogliptin, a novel, potent, and highly selective dipeptidyl peptidase-4 inhibitor, improves glycemic control and beta-cell function in obese diabetic *ob/ob* mice**

Yusuke Moritoh, Koji Takeuchi, Tomoko Asakawa, Osamu Kataoka and Hiroyuki Odaka

*European Journal of Pharmacology*, **588**(2-3): 325-332, 2008

森藤雄亮, 武内浩二, 浅川智子, 片岡 修, 小高裕之

**[T16] Pharmacokinetic, pharmacodynamic, and efficacy profiles of alogliptin, a novel inhibitor of dipeptidyl peptidase-4, in rats, dogs, and monkeys**Bumsup Lee<sup>a</sup>, Lihong Shi<sup>a</sup>, Daniel B. Kassel<sup>a</sup>, Tomoko Asakawa,Koji Takeuchi and Ronald J. Christopher<sup>a</sup>*European Journal of Pharmacology*, **589**(1-3): 306-314, 2008

浅川智子, 武内浩二

<sup>a</sup> Takeda San Diego, Inc., USA

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## ***Basic Biology and Physiology***

### **[T17] Plasma Amyloid $\beta$ -Protein and C-reactive Protein in Relation to the Rate of Progression of Alzheimer Disease**

Joseph J. Locascio<sup>a</sup>, Hiroaki Fukumoto, Liang Yap<sup>a</sup>, Tedoro Bottiglieri<sup>b</sup>,  
John H. Growdon<sup>a</sup>, Bradley T. Hyman<sup>a</sup> and Michael C. Irizarry<sup>a</sup>

*Archives of Neurology*, **65**(6): 776-785, 2008

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<sup>a</sup> Massachusetts Alzheimer's Disease Research Center, Massachusetts General Hospital, Boston

<sup>b</sup> Baylor Institute of Metabolic Disease, Dallas, Texas

### **[T18] Androgen Receptor and Invasion in Prostate Cancer**

Takahito Hara<sup>1,3</sup>, Hideyo Miyazaki<sup>1,4</sup>, Aram Lee<sup>1,5</sup>, Chau P. Tran<sup>1,2</sup> and Robert E. Reiter<sup>1,2</sup>

*Cancer Research*, **68**(4): 1128-1135, 2008

原 隆人<sup>1,3</sup>, 宮寄英世<sup>1,4</sup>

<sup>1</sup> Department of Urology and <sup>2</sup> Molecular Biology Institute and Jonsson Comprehensive Cancer Center, University of California-Los Angeles, Los Angeles, California; <sup>3</sup> Pharmacology Research Laboratories II, Takeda Pharmaceutical Company Limited, Osaka, Japan; <sup>4</sup> Department of Medicine, University of Tokyo, Tokyo, Japan; and <sup>5</sup> Department of Medicine, Yale University, New Haven, Connecticut

### **[T19] Spatial and temporal role of the apelin/APJ system in the caliber size regulation of blood vessels during angiogenesis**

Hiroyasu Kidoya<sup>1</sup>, Masaya Ueno<sup>1</sup>, Yoshihiro Yamada<sup>1</sup>, Naoki Mochizuki<sup>2</sup>,

Mitsugu Nakata, Takashi Yano, Ryo Fujii and Nobuyuki Takakura<sup>1</sup>

*EMBO Journal*, **27**(3): 522-534, 2008

木戸屋浩康<sup>1</sup>, 上野将也<sup>1</sup>, 山田賢裕<sup>1</sup>, 望月直樹<sup>2</sup>, 中田 貢, 矢野 隆, 藤井 亮, 高倉伸幸<sup>1</sup>

<sup>1</sup> Research Institute for Microbial Diseases, Osaka University, Suita, Osaka

<sup>2</sup> National Cardiovascular Center Research Institute, Suita, Osaka

### **[T20] Oestrogen-Dependent Stimulation of Luteinising Hormone Release by Galanin-Like Peptide in Female Rats**

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Vutha Pheng<sup>a</sup>, Somchai Sajapitak<sup>a</sup>, Mototsugu Sakakibara<sup>a</sup>, Tetsuya Ohtaki,

Hirokazu Matsumoto and Kei-ichiro Maeda<sup>a</sup>

*Journal of Neuroendocrinology*, **20**(5): 626-631, 2008

上野山賀久<sup>a</sup>, 束村博子<sup>a</sup>, 木下美香<sup>a</sup>, 山田俊二<sup>a</sup>, 岩田衣世<sup>a</sup>, 榊原基嗣<sup>a</sup>, 大瀧徹也, 松本寛和, 前多敬一郎<sup>a</sup>

<sup>a</sup> Graduate School of Bioagricultural Sciences, Nagoya University

### **[T21] Ontogeny of a new enteric peptide, neuropeptide W (NPW), in the developing rat stomach**

Muhtashan S. Mondal<sup>a</sup>, Hideki Yamaguchi<sup>a</sup>, Yukari Date<sup>a</sup>, Tomoko Tsuruta<sup>a</sup>, Takuya Shimbara<sup>a</sup>,  
Koji Toshinai<sup>a</sup>, Yukio Shimomura, Masaaki Mori and Masamitsu Nakazato<sup>a</sup>

*Regulatory peptides*, **145**(1-3): 141-146, 2008

山口秀樹<sup>a</sup>, 伊達 紫<sup>a</sup>, 鶴田智子<sup>a</sup>, 新原琢也<sup>a</sup>, 十枝内厚次<sup>a</sup>, 下村行生, 森 正明, 中里雅光<sup>a</sup>

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## ***Pharmacokinetics and Drug Metabolism***

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Toshiyuki Takeuchi, Masami Nonaka, Sumie Yoshitomi, Tomoaki Higuchi, Takuya Ebihara,  
Yoshihiro Maeshiba, Masahiro Kawase, Satoru Asahi

*Biopharmaceutics & drug disposition*, **29**(6): 311-323, 2008

竹内敏之, 野中雅美, 吉富純枝, 樋口智明, 蛭原卓哉, 前芝良宏, 川瀬雅弘, 朝日 知

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Koichiro Teshima and Takahiro Kondo

*Journal of Pharmaceutical and Biomedical Analysis*, **47**(3): 560-566, 2008

手島浩一郎, 近藤孝浩

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Tomohiro Nishimura<sup>a</sup>, Yukio Kato<sup>a</sup>, Nobuyuki Amano, Midori Ono, Yoshiyuki Kubo<sup>a</sup>,  
Yoshiaki Kimura, Hisashi Fujita and Akira Tsuji<sup>a</sup>

*Pharmaceutical Research*, **25**(11): 2467-2476, 2008

西村友宏<sup>a</sup>, 加藤将夫<sup>a</sup>, 天野信之, 小野みどり, 久保義行<sup>a</sup>, 木村義昭, 藤田 央, 辻 彰<sup>a</sup>

<sup>a</sup> Graduate School of Natural Science and Technology, Kanazawa University

## ***Drug Safety Evaluation***

### **[T25] Drug-induced Phospholipidosis -Pathological Aspects and Its Prediction**

Takashi Nonoyama<sup>a</sup> and Ryo Fukuda

*Journal of Toxicologic Pathology*, **21**(1): 9-24, 2008

野々山 孝<sup>a</sup>, 福田 良

<sup>a</sup> TAKEDA RABICS, LTD.

### **[T26] Topological Mapping of the Asymmetric Drug Binding to the Human *Ether-à-go-go*-Related Gene Product (HERG) Potassium Channel by Use of Tandem Dimers**

Toshihiko Myokai, Sunghi Ryu, Hirofumi Shimizu<sup>a</sup> and Shigetoshi Oiki<sup>a</sup>

*Molecular Pharmacology*, **73**(6): 1643-1651, 2008

明貝俊彦, 柳 承希, 清水啓史<sup>a</sup>, 老木成稔<sup>a</sup>

<sup>a</sup> Faculty of Medical Sciences, University of Fukui

### **[T27] Detection of Cell-Free, Liver-Specific mRNAs in Peripheral Blood from Rats with Hepatotoxicity: A Potential Toxicological Biomarker for Safety Evaluation**

Makoto Miyamoto, Mariko Yanai, Shingo Ookubo, Naoko Awasaki,

Kenji Takami and Ryoetsu Imai

*Toxicological Sciences*, **106**(2): 538-545, 2008

宮本 実, 柳井真理子, 大久保慎吾, 粟崎奈緒子, 高見健治, 今井良悦

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**[T28] Gene expression profiling in rat liver treated with compounds inducing phospholipidosis**

Mitsuhiro Hirode, Atsushi Ono<sup>a,b</sup>, Toshikazu Miyagishima<sup>a</sup>, Taku Nagao<sup>c</sup>,  
Yasuo Ohno<sup>b</sup> and Tetsuro Urushidani<sup>a,d</sup>

*Toxicology and Applied Pharmacology*, **229**(3): 290-299, 2008

廣出充洋, 小野 敦<sup>a,b</sup>, 宮城島利一<sup>a</sup>, 長尾 拓<sup>c</sup>, 大野泰雄<sup>b</sup>, 漆谷徹郎<sup>a,d</sup>

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<sup>c</sup>Food Safety Commission of Japan, Tokyo

<sup>d</sup>Department of Pathophysiology, Doshisha Women's College of Liberal Arts, Kyoto

***Clinical Research*****[T29] A functional SNP in *EDG2* increases susceptibility to knee osteoarthritis in Japanese**

Hideyuki Mototani, Aritoshi Iida<sup>b</sup>, Masahiro Nakajima<sup>a</sup>, Tatsuya Furuichi<sup>a</sup>,

Yoshinari Miyamoto<sup>a</sup>, Tatsuhiko Tsunoda<sup>b</sup>, Akihiro Sudo<sup>c</sup>, Akihiro Kotani<sup>d</sup>,

Atsumasa Uchida<sup>c</sup>, Kouichi Ozaki<sup>a</sup>, Yoshiya Tanaka<sup>e</sup>, Yusuke Nakamura<sup>a,e</sup>,

Toshihiro Tanaka<sup>a</sup>, Kohei Notoya and Shiro Ikegawa<sup>a</sup>

*Human Molecular Genetics*, **17**(12): 1790-1797, 2008

本谷英之, 飯田有俊<sup>a</sup>, 中島正宏<sup>a</sup>, 古市達哉<sup>a</sup>, 宮本恵成<sup>a</sup>, 角田辰彦<sup>b</sup>, 須藤啓広<sup>c</sup>, 小谷明弘<sup>d</sup>,

内田淳正<sup>c</sup>, 尾崎浩一<sup>a</sup>, 田中良哉<sup>e</sup>, 中村祐輔<sup>a,e</sup>, 田中敏博<sup>a</sup>, 能登谷浩平, 池川志郎<sup>a</sup>

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<sup>e</sup>Institute of Medical Science, The University of Tokyo, Tokyo

***Technology Development*****[T30] Photoinduced antiviral carbon nanohorns**

Eijiro Miyako<sup>a</sup>, Hideya Nagata<sup>a</sup>, Ken Hirano<sup>a</sup>, Kotaro Sakamoto, Yoji Makita<sup>a</sup>,

Ken-ichi Nakayama<sup>a</sup> and Takahiro Hirotsu<sup>a</sup>

*Nanotechnology*, **19**(7): 1-6, 2008

都 英次郎<sup>a</sup>, 長田英也<sup>a</sup>, 平野 研<sup>a</sup>, 坂元孝太郎, 榎田洋二<sup>a</sup>, 仲山賢一<sup>a</sup>, 廣津孝弘<sup>a</sup>

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## Originals in Japanese

### *Organic Chemistry*

[T31] 2 kcal に導かれて

山野光久, 山野 徹

触媒, **50**(5): 444-445, 2008

#### **Guided by 2 kcal**

Mitsuhisa Yamano and Toru Yamano

*Catalysts & Catalysis*, **50**(5): 444-445, 2008

### *Pharmacology*

[T32] 不眠症治療薬と QOL:MT<sub>1</sub>/MT<sub>2</sub> 受容体作動薬ラメルテオンの研究開発

宮本政臣

日本薬理学雑誌, **131**(1): 16-21, 2008

#### **Drugs for insomnia and improving quality of life (QOL): research and development of ramelteon, an MT<sub>1</sub>/MT<sub>2</sub>-receptor agonist**

Masaomi Miyamoto

*Folia Pharmacologica Japonica*, **131**(1): 16-21, 2008

[T33] 静注用胃酸分泌抑制薬ランソプラゾール(タケプロン®静注用 30mg)の薬理学的特性および臨床効果

稲富信博, 新田勝之, 櫻井祐一

日本薬理学雑誌, **131**(2): 149-156, 2008

#### **Pharmacological and clinical profile of lansoprazole (Takepron® IV injection 30 mg)**

Nobuhiro Inatomi, Katsuyuki Nitta and Yuichi Sakurai

*Folia Pharmacologica Japonica*, **131**(2): 149-156, 2008

[T34] 脳卒中易発症系高血圧自然発症ラット(SHRSP)を用いた血管障害合併症の薬効評価試験系

渚 康貴

日本薬理学雑誌, **132**(4): 207-212, 2008

#### **Vascular complication models using stroke-prone spontaneously hypertensive rats**

Yasutaka Nagisa

*Folia Pharmacologica Japonica*, **132**(4): 207-212, 2008

[T35] 肥満 2 型糖尿病モデル動物  
武内浩二, 波佐間正聡  
日本臨牀, 66(増刊号 3): 616-620, 2008

**Animal models of type 2 diabetes with obesity**

Koji Takeuchi and Masatoshi Hazama  
*Japanese Journal of Clinical Medicine*, 66(Suppl. 3): 616-620, 2008

**Pharmaceutics**

[T36] 腸溶性粒を用いた製剤設計 カプセルから口腔内崩壊錠へ  
田畑哲朗  
ファームテク ジャパン, 24(1): 157-162, 2008

**Formulation Development using Enteric Coated Granules  
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Tetsuro Tabata  
*PHARM TECH JAPAN*, 24(1): 157-162, 2008

**Drug Safety Evaluation**

[T37] ICR 系マウスにおける自然発生性網膜機能異常のタイプ及びその発生頻度に関する検討  
川崎一哉, 宮本 実, 青木正美, 杉本眞次, 中下富雄, 繁田真樹, 今井良悦  
比較眼科研究, 27: 23-29, 2008

**Characterization and incidence of spontaneous retinal dysfunction in ICR mice**

Kazuya Kawasaki, Makoto Miyamoto, Masami Aoki, Shinji Sugimoto,  
Tomio Nakashita, Masaki Shigeta and Ryoetsu Imai  
*Animal Eye Research*, 27: 23-29, 2008

[T38] Computational Toxicology の現状  
苗代一郎

ファルマシア, 44(9): 890-894, 2008

**Current status of computational toxicology**

Ichiro Naeshiro  
*Farumashia*, 44(9): 890-894, 2008

[T39] 視覚毒性

佐藤秀蔵  
日本薬理学会誌, 131(1): 50-54, 2008

**Evaluation of ophthalmic toxicity**

Shuzo Sato  
*Folia Pharmacologica Japonica*, 131(1): 50-54, 2008

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***Clinical Research***

[T40] アルツハイマー病の診断  
生物学的マーカー検査 血液

**A**

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**Diagnosis of Alzheimer's Diseases**

**Biomarkers in plasma: A $\beta$**

Asano Asami and Hiroaki Fukumoto

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## Supplement

### Originals in English(2007)

#### *Basic Biology and Physiology*

#### **[T41] Specification of germ layer identity in the chick gastrula**

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