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Originals in English

Analytical Chemistry

[T1] A fully automated amino acid analyzer using NBD-F as a fluorescent derivatization reagent

Chiaki Aoyama^a, Tomofumi Santa^a, Makoto Tsunoda^a, Takeshi Fukushima^{a,b}, Chieko Kitada and Kazuhiro Imai^{a,c}

Biomedical Chromatography, **18**(9): 630-636, 2004

青山千顕^a, 三田智文^a, 角田 誠^a, 福島 健^{a,b}, 北田千恵子, 今井一洋^{a,c}

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^c Research Institute of Pharmaceutical Sciences, Musashino University, Tokyo

[T2] Matrix media selection for the determination of residual solvents in pharmaceuticals by static headspace gas chromatography

Koji Urakami, Atsuya Higashi, Kazuichi Umemoto and Masayuki Godo

Journal of Chromatography A, **1057**(1-2); 203-210, 2004

浦上康司, 東 篤也, 梅本和一, 神戸正幸

[T3] A method to reduce the equilibration time prior to data capture in ampoule-based isothermal microcalorimetric studies

Koji Urakami and Anthony E. Beezer^a

Thermochimica Acta, **410**(1-2): 109-117, 2004

浦上康司

^a Medway Sciences, NRI University of Greenwich, Medway University Campus, UK

[T4] Pharmaceutical microcalorimetry: recent advances in the study of solid state materials

Anthony E. Beezer^a, Michael A. A. O'Neill^a, Koji Urakami, Joseph A. Connor^a and John Tetteh^a

Thermochimica Acta, **420**(1-2); 19-22, 2004

浦上康司

^a Medway Sciences, Greenwich University at Medway, UK

[T5] Calorimetry and liquid chromatography: determination of enthalpies of transfer from mobile phase to stationary phase

Koji Urakami, Ken Hosoya^a and Anthony E. Beezer^b

Thermochimica Acta, **424**(1-2); 157-163, 2004

浦上康司, 細矢 憲^a

^a Department of Polymer Science, Kyoto Institute of Technology, Kyoto

^b Medway Sciences, University of Greenwich at Medway, UK

Organic Chemistry

[T6] Readily Available Biaryl P,N Ligands for Asymmetric Catalysis

Thomas F. Knöpfel^a, Patrick Aschwanden^a, Takashi Ichikawa,

Takumi Watanabe^a and Erick M. Carreira^a

Angewandte Chemie International Edition, **43**(44); 5971-5973, 2004

一川隆史, 渡辺 匠^a

^aLaboratorium für Organische Chemie, ETH Hönggerberg, Switzerland

[T7] Synthetic Studies on (+)-Naphthyridinomycin: Stereoselective Synthesis of the Tetracyclic Core Framework

Kazuki Mori^a, Kentaro Rikimaru^{a,b}, Toshiyuki Kan^a and Tohru Fukuyama^a

Organic Letters, **6**(18); 3095-3097, 2004

森 一樹^a, 力丸健太郎^{a,b}, 菅 敏幸^a, 福山 透^a

^aGraduate School of Pharmaceutical Sciences, University of Tokyo, Tokyo

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[T8] Generation of Alkoxy-carbenium Ion Pools from Thioacetals and Applications to Glycosylation Chemistry

Shinkichi Suzuki^{a,b}, Kouichi Matsumoto^a, Kohsuke Kawamura^a, Seiji Suga^a and Jun-ichi Yoshida^a

Organic Letters, **6**(21); 3755-3758, 2004

鈴木新吉^{a,b}, 松本浩一^a, 河村浩輔^a, 菅 誠治^a, 吉田潤一^a

^aGraduate School of Engineering, Kyoto University, Kyoto

^bPresent address: Takeda Pharmaceutical Company Limited, Osaka

[T9] Intramolecular Nucleophilic Aromatic Substitution Reaction of 2-Carboxamido-3-arylquinazolin-4-ones and its Application to the Synthesis of Secondary Aryl Amines

Haruhiko Fuwa^a, Toshitake Kobayashi, Takashi Tokitoh^a, Yukiko Torii^a and Hideaki Natsugari^a

SYNLETT, **2004**(14); 2497-2500

不破春彦^a, 小林俊威, 時任貴志^a, 鳥井由紀子^a, 夏苺英昭^a

^aGraduate School of Pharmaceutical Sciences, University of Tokyo, Tokyo

[T10] A New Approach to the Synthesis of 2-Aryl-4-halomethyl-5-methyl-1,3-oxazoles by Highly Regioselective Direct Halogenation with NBS or NCS/MeCN

Taihei Yamane, Hiroyuki Mitsudera and Takatsugu Shundoh

Synthesis, **2004**(17): 2825-2832

山根太平, 光寺弘幸, 春堂卓嗣

[T11] A convenient ring formation of 3-aryl-2,2-dialkyl-2,3-dihydrobenzofurans from phenols and 2-aryl-2,2-dialkylacetaldehydes

Makoto Yamashita, Yujirou Ono and Hiroyuki Tawada

Tetrahedron, **60**(12): 2843-2849, 2004

山下 誠, 小野祐二郎, 多和田紘之

[T12] Amide-based atropisomers in tachykinin NK₁-receptor antagonists: synthesis and antagonistic activity of axially chiral *N*-benzylcarboxamide derivatives of 2,3,4,5-tetrahydro-6*H*-pyrido[2,3-*b*][1,5]oxazocin-6-one

Yuji Ishichi, Yoshinori Ikeura and Hideaki Natsugari ^a

Tetrahedron, **60**(20): 4481-4490, 2004

石地雄二, 池浦義典, 夏苺英昭 ^a

^a Graduate School of Pharmaceutical Sciences, The University of Tokyo, Tokyo

[T13] Efficient synthesis of CCR5 antagonist, 2,3-dihydro-1-benzothiepine derivatives by improved intramolecular Claisen type reaction using dialkylcarbonate

Tomomi Ikemoto, Tatsuya Ito, Atsuko Nishiguchi and Kiminori Tomimatsu

Tetrahedron, **60**(48): 10851-10857, 2004

池本朋己, 伊藤達也, 西口敦子, 富松公典

[T14] Highly regioselective direct halogenation: a simple and efficient method for preparing 4-halomethyl-5-methyl-2-aryl-1,3-thiazoles

Taihei Yamane, Hiroyuki Mitsudera and Takatsugu Shundoh

Tetrahedron Letters, **45**(1): 69-73, 2004

山根太平, 光寺弘幸, 春堂卓嗣

[T15] Asymmetric synthesis of (*R*)-(+)-6-(1,4-dimethoxy-3-methyl-2-naphthyl)-6-(4-hydroxyphenyl)hexanoic acid as a key intermediate for a neurodegenerative disease agent

Tomomi Ikemoto, Toshiaki Nagata, Mitsuhsa Yamano, Tatsuya Ito, Yukio Mizuno and Kiminori Tomimatsu

Tetrahedron Letters, **45**(41): 7757-7760, 2004

池本朋己, 長田敏明, 山野光久, 伊藤達也, 水野行雄, 富松公典

[T16] Facile synthesis of (–)-tabtoxinine-β-lactam and its (3′*R*)-isomer

Hiromasa Kiyota ^a, Takafumi Takai ^{a,b}, Masatoshi Saitoh ^a, Osamu Nakayama ^a, Takayuki Oritani ^a and Shigefumi Kuwahara ^a

Tetrahedron Letters, **45**(44): 8191-8194, 2004

清田洋正 ^a, 高井隆文 ^{a,b}, 斎藤正年 ^a, 中山 修 ^a, 折谷隆之 ^a, 桑原重文 ^a

^a Graduate School of Agricultural Science, Tohoku University, Sendai

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[T17] Facile synthesis of 7–10 membered rings by intramolecular condensation using dialkylcarbonate as solvent

Tomomi Ikemoto, Tatsuya Ito, Atsuko Nishiguchi and Kiminori Tomimatsu

Tetrahedron Letters, **45**(51): 9335-9339, 2004

池本朋己, 伊藤達也, 西口敦子, 富松公典

[T18] Stereocontrolled synthesis of (1S)-1-(1H-imidazol-4-yl)-1-(6-methoxy-2-naphthyl)-2-methylpropan-1-ol as a potent C_{17,20}-lyase inhibitor

Akio Ojida^a, Nobuyuki Matsunaga, Tomohiro Kaku and Akihiro Tasaka

Tetrahedron: Asymmetry, **15**(10): 1555-1559, 2004

王子田彰夫^a, 松永伸之, 加来智弘, 田坂昭弘

^a Present address: Graduate School of Engineering, Kyushu University, Fukuoka

[T19] Synthetic studies on (1S)-1-(6,7-dimethoxy-2-naphthyl)-1-(1H-imidazol-4-yl)-2-methylpropan-1-ol as a selective C_{17,20}-lyase inhibitor

Nobuyuki Matsunaga, Tomohiro Kaku, Akio Ojida^a and Akihiro Tasaka

Tetrahedron: Asymmetry, **15**(13): 2021-2028, 2004

松永伸之, 加来智弘, 王子田彰夫^a, 田坂昭弘

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Natural Product Chemistry

[T20] Total Synthesis of Norzoanthamine

Masaaki Miyashita^a, Minoru Sasaki^{a,b}, Izumi Hattori^a, Mio Sakai^a and Keiji Tanino^a

Science, **305**(5683): 495-499, 2004

宮下正昭^a, 佐々木 実^{a,b}, 服部 泉^a, 酒井未緒^a, 谷野圭持^a

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Medicinal Chemistry

[T21] C_{17,20}-Lyase inhibitors I. Structure-based de novo design and SAR study of C_{17,20}-lyase inhibitors

Nobuyuki Matsunaga, Tomohiro Kaku, Fumio Itoh, Toshimasa Tanaka, Takahito Hara, Hiroshi Miki, Masahiko Iwasaki, Tetsuya Aono, Masuo Yamaoka, Masami Kusaka and Akihiro Tasaka

Bioorganic and Medicinal Chemistry, **12**(9): 2251-2273, 2004

松永伸之, 加来智弘, 伊藤文雄, 田中稔祐, 原 隆人, 三木啓司, 岩崎正彦, 青野哲也, 山岡万寿夫, 日下雅美, 田坂昭弘

[T22] CCR5 antagonists as anti-HIV-1 agents. Part 2: Synthesis and biological evaluation of N-[3-(4-benzylpiperidin-1-yl)propyl]-N,N'-diphenylureas

Shinichi Imamura, Osamu Kurasawa, Yoshi Nara, Takashi Ichikawa, Youichi Nishikawa, Takehiro Iida, Shohei Hashiguchi, Naoyuki Kanzaki, Yuji Iizawa, Masanori Baba^a and Yoshihiro Sugihara

Bioorganic and Medicinal Chemistry, **12**(9): 2295-2306, 2004

今村真一, 倉澤 修, 奈良 禎, 一川隆史, 西川洋一, 飯田剛広, 橋口昌平, 神崎直之, 飯沢祐史, 馬場昌範^a, 杉原芳博

^a Faculty of Medicine, Kagoshima University, Kagoshima

[T23] C_{17,20}-lyase inhibitors. Part 2: Design, synthesis and structure–activity relationships of (2-naphthylmethyl)-1*H*-imidazoles as novel C_{17,20}-lyase inhibitors

Nobuyuki Matsunaga, Tomohiro Kaku, Akio Ojida ^a, Toshimasa Tanaka, Takahito Hara, Masuo Yamaoka, Masami Kusaka and Akihiro Tasaka

Bioorganic and Medicinal Chemistry, **12**(16): 4313-4336, 2004

松永伸之, 加来智弘, 王子田彰夫 ^a, 田中稔祐, 原 隆人, 山岡万寿夫, 日下雅美, 田坂昭弘

^a Present address: Graduate School of Engineering, Kyushu University, Fukuoka

[T24] CCR5 Antagonists as Anti-HIV-1 Agents. 1. Synthesis and Biological Evaluation of 5-Oxopyrrolidine-3-carboxamide Derivatives

Shinichi Imamura, Yuji Ishihara, Taeko Hattori, Osamu Kurasawa, Yoshihiro Matsushita, Yoshihiro Sugihara, Naoyuki Kanzaki, Yuji Iizawa, Masanori Baba ^a and Shohei Hashiguchi

Chemical and Pharmaceutical Bulletin, **52**(1): 63-73, 2004

今村真一, 石原雄二, 服部多恵子, 倉澤 修, 松下義弘, 杉原芳博, 神崎直之, 飯沢祐史, 馬場昌範 ^a, 橋口昌平

^a Faculty of Medicine, Kagoshima University, Kagoshima

[T25] Studies on Non-Thiazolidinedione Antidiabetic Agents. 3. Preparation and Biological Activity of the Metabolites of TAK-559

Hiroshi Imoto, Mitsuharu Matsumoto, Hiroyuki Odaka, Junichi Sakamoto, Hiroyuki Kimura, Masami Nonaka, Yutaka Kiyota and Yu Momose

Chemical and Pharmaceutical Bulletin, **52**(1): 120-124, 2004

井元広士, 松本光晴, 小高裕之, 坂本潤一, 木村宏之, 野中雅美, 清田 裕, 百瀬 祐

[T26] Synthesis of 1-Benzothiepine and 1-Benzazepine Derivatives as Orally Active CCR5 Antagonists

Yoshio Aramaki, Masaki Seto, Tomohiro Okawa, Tsuneo Oda, Naoyuki Kanzaki and Mitsuru Shiraishi

Chemical and Pharmaceutical Bulletin, **52**(2): 254-258, 2004

荒牧慶夫, 瀬戸雅樹, 大川友洋, 小田恒夫, 神崎直之, 白石 充

[T27] Orally Active CCR5 Antagonists as Anti-HIV-1 Agents: Synthesis and Biological Activity of 1-Benzothiepine 1,1-Dioxide and 1-Benzazepine Derivatives Containing a Tertiary Amine Moiety

Masaki Seto, Yoshio Aramaki, Tomohiro Okawa, Naoki Miyamoto, Katsuji Aikawa, Naoyuki Kanzaki, Shin-ichi Niwa, Yuji Iizawa, Masanori Baba ^a and Mitsuru Shiraishi

Chemical and Pharmaceutical Bulletin, **52**(5): 577-590, 2004

瀬戸雅樹, 荒牧慶夫, 大川友洋, 宮本直樹, 合川勝二, 神崎直之, 丹羽真一, 飯沢祐史, 馬場昌範 ^a, 白石 充

^a Faculty of Medicine, Kagoshima University, Kagoshima

[T28] Orally Active CCR5 Antagonists as Anti-HIV-1 Agents 2: Synthesis and Biological Activities of Anilide Derivatives Containing a Pyridine N-Oxide Moiety

Masaki Seto, Yoshio Aramaki, Hiroshi Imoto, Katsuji Aikawa, Tsuneo Oda, Naoyuki Kanzaki, Yuji Iizawa, Masanori Baba^a and Mitsuru Shiraishi

Chemical and Pharmaceutical Bulletin, **52**(7): 818-829, 2004

瀬戸雅樹, 荒牧慶夫, 井元広士, 合川勝二, 小田恒夫, 神崎直之, 飯沢祐史, 馬場昌範^a, 白石 充

^a Faculty of Medicine, Kagoshima University, Kagoshima

Biochemistry and Biotechnology**[T29] N-Formylated humanin activates both formyl peptide receptor-like 1 and 2**

Masataka Harada, Yugo Habata, Masaki Hosoya, Kazunori Nishi, Ryo Fujii, Makoto Kobayashi and Shuji Hinuma

Biochemical and Biophysical Research Communications, **324**(1): 255-261, 2004

原田征隆, 羽畑祐吾, 細谷昌樹, 西 一紀, 藤井 亮, 小林 真, 日沼州司

[T30] Expression of *KiSS-1*, a metastasis suppressor gene, in trophoblast giant cells of the rat placenta

Yasuko Terao, Satoshi Kumano, Yoshihiro Takatsu, Masahiko Hattori, Atsushi Nishimura, Tetsuya Ohtaki and Yasushi Shintani

Biochimica et Biophysica Acta, **1678**(2-3): 102-110, 2004

寺尾寧子, 熊野 聡, 高津吉広, 服部正彦, 西村 篤, 大瀧徹也, 新谷 靖

[T31] Musclin, a Novel Skeletal Muscle-derived Secretory Factor

Hitoshi Nishizawa^{a,d}, Morihito Matsuda^{a,d}, Yukio Yamada, Kenichiro Kawai^a, Emi Suzuki^{a,c}, Makoto Makishima^a, Toshio Kitamura^b and Ichiro Shimomura^{a,c}

Journal of Biological Chemistry, **279**(19): 19391-19395, 2004

西澤 均^{a,d}, 松田守弘^{a,d}, 山田幸男, 河合健一郎^a, 鈴木恵美^{a,c}, 槇島 誠^a, 北村俊雄^b, 下村伊一郎^{a,c}

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^b Department of Hematopoietic Factors, Institute of Medical Science, University of Tokyo, Tokyo

^c PREST, Japan Science and Technology Agency, Saitama

^d 21st Century COE Program, the Japan Society for the Promotion of Science, Tokyo

[T32] Identification of a G Protein-coupled Receptor Specifically Responsive to β -Alanine

Tokuyuki Shinohara, Masataka Harada, Kazuhiro Ogi, Minoru Maruyama, Ryo Fujii, Hideyuki Tanaka, Shoji Fukusumi, Hidetoshi Komatsu, Masaki Hosoya, Yuko Noguchi, Takuya Watanabe, Takeo Moriya, Yasuaki Itoh and Shuji Hinuma

Journal of Biological Chemistry, **279**(22): 23559-23564, 2004

篠原徳之, 原田征隆, 大儀和宏, 丸山 穰, 藤井 亮, 田中秀幸, 福住昌司, 小松秀俊, 細谷昌樹, 野口優子, 渡辺卓也, 守谷岳郎, 伊藤康明, 日沼州司

Microbiology

[T33] *In vitro* antimicrobial activity of T-91825, a novel anti-MRSA cephalosporin, and *in vivo* anti-MRSA activity of its prodrug, TAK-599

Yuji Iizawa, Junko Nagai, Tomoyasu Ishikawa, Shohei Hashiguchi, Masafumi Nakao, Akio Miyake and Kenji Okonogi

Journal of Infection and Chemotherapy, **10**(3); 146-156, 2004

飯沢祐史, 永井純子, 石川智康, 橋口昌平, 中尾雅文, 三宅昭夫, 小此木研二

Pharmacology

[T34] Comparison of the effects of pioglitazone and rosiglitazone on macrophage foam cell formation

Masao Hirakata, Ryuichi Tozawa, Yoshimi Imura and Yasuo Sugiyama

Biochemical and Biophysical Research Communications, **323**(3); 782-788, 2004

(Corrigendum: *Biochemical and Biophysical Research Communications*, **327**(3); 967-968, 2005)

平形昌夫, 兎澤隆一, 井村良視, 杉山泰雄

[T35] Effects of ramelteon (TAK-375) on nocturnal sleep in freely moving monkeys

Nobuhito Yukuhiro, Hiroyuki Kimura, Hisao Nishikawa, Shigenori Ohkawa, Shin-ichi Yoshikubo and Masaomi Miyamoto

Brain Research, **1027**(1-2): 59-66, 2004

行弘信仁, 木村浩之, 西川久夫, 大川滋紀, 吉久保真一, 宮本政臣

[T36] Effects of TAK-802, a novel acetylcholinesterase inhibitor, on distension-induced rhythmic bladder contractions in rats and guinea pigs

Hiroshi Nagabukuro, Satoshi Okanishi, Shigemitsu Imai, Yuji Ishichi, Yuji Ishihara and Takayuki Doi

European Journal of Pharmacology, **485**(1-3): 299-305, 2004

長袋 洋, 岡西 聡, 今井重光, 石地雄二, 石原雄二, 土居孝行

[T37] Effects of TAK-802, a novel acetylcholinesterase inhibitor, and various cholinomimetics on the urodynamic characteristics in anesthetized guinea pigs

Hiroshi Nagabukuro, Satoshi Okanishi and Takayuki Doi

European Journal of Pharmacology, **494**(2-3): 225-232, 2004

長袋 洋, 岡西 聡, 土居孝行

[T38] A novel oxyiminoalkanoic acid derivative, TAK-559, activates human peroxisome proliferator-activated receptor subtypes

Junichi Sakamoto, Hiroyuki Kimura, Shinji Moriyama, Hiroshi Imoto, Yu Momose, Hiroyuki Odaka and Hidekazu Sawada

European Journal of Pharmacology, **495**(1): 17-26, 2004

坂本潤一, 木村宏之, 森山真次, 井元広士, 百瀬 祐, 小高裕之, 澤田秀和

[T39] Identification of a CXCR4 antagonist, a T140 analog, as an anti-rheumatoid arthritis agentHirokazu Tamamura^a, Miho Fujisawa, Kenichi Hiramatsu^a, Makiko Mizumoto^a, Hideki Nakashima^b, Naoki Yamamoto^c, Akira Otaka^a and Nobutaka Fujii^a*FEBS Letters*, **569**(1-3): 99-104, 2004玉村啓和^a, 藤澤美穂, 平松健一^a, 水本真紀子^a, 中島秀喜^b, 山本直樹^c, 大高 章^a, 藤井信孝^a^a Graduate School of Pharmaceutical Sciences, Kyoto University^b School of Medicine, St. Marianna University^c School of Medicine, Tokyo Medical and Dental University**[T40] Differential roles of peripheral and spinal endothelin receptors in the micturition reflex in rats**Teruyuki Ogawa^{a,b}, Izumi Kamo, Beth R. Pflug^a, Joel B. Nelson^a, Satoshi Seki^b, Yasuhiko Igawa^b, Osamu Nishizawa^b, William C. de Groat^a, Michael B. Chancellor^a and Naoki Yoshimura^a*Journal of Urology*, **172**(4, Part 1 of 2): 1533- 1537, 2004小川輝之^{a,b}, 加茂 泉, 関 聡^b, 井川靖彦^b, 西澤 理^b, 吉村直樹^a^a University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, USA^b Shinshu University School of Medicine, Nagano**[T41] The Sleep-Promoting Action of Ramelteon (TAK-375) in Freely Moving Cats**

Masaomi Miyamoto, Hisao Nishikawa, Yayoi Doken, Keisuke Hirai, Osamu Uchikawa and Shigenori Ohkawa

SLEEP, **27**(7): 1319-1325, 2004

宮本政臣, 西川久夫, 道券弥生, 平井圭介, 内川 治, 大川滋紀

Basic Biology and Physiology

[T42] The role of bladder-to-urethral reflexes in urinary continence mechanisms in rats

Izumi Kamo, Tracy W. Cannon^a, Deirdre A. Conway^a, Kazumasa Torimoto^a, Michael B. Chancellor^a, William C. de Groat^a and Naoki Yoshimura^a

American Journal of Physiology – Renal Physiology, **287**(3): F434- F441, 2004

加茂 泉, 鳥本一匡^a, 吉村直樹^a

^a University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, USA

[T43] Peripheral administration of metastin induces marked gonadotropin release and ovulation in the rat

Hisanori Matsui, Yoshihiro Takatsu, Satoshi Kumano, Hirokazu Matsumoto and Tetsuya Ohtaki

Biochemical and Biophysical Research Communications, **320**(2), 383-388, 2004

松井久典, 高津吉広, 熊野 聡, 松本寛和, 大瀧徹也

[T44] Apelin is a novel angiogenic factor in retinal endothelial cells

Atsushi Kasai^a, Norihito Shintani^a, Maki Oda^a, Michiya Kakuda^a, Hitoshi Hashimoto^a,

Toshio Matsuda^b, Shuji Hinuma and Akemichi Baba^a

Biochemical and Biophysical Research Communications, **325**(2): 395-400, 2004

笠井淳司^a, 新谷紀人^a, 織田麻希^a, 角田享也^a, 橋本 均^a, 松田敏夫^b, 日沼州司, 馬場明道^a

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^bLaboratory of Medicinal Pharmacology, Graduate School of Pharmaceutical Sciences, Osaka University

[T45] Emotional disorders and memory deficits in senescence-accelerated mice, SAMP8 and SAMP10

Masaomi Miyamoto

International Congress Series, **1260**: 99-106, 2004

宮本政臣

[T46] Involvement of the glutamatergic system in behavioral disorders in senescence-accelerated mice (SAMP8)

Yuu Fujiwara, Hideki Takahashi, Keisuke Hirai and Masaomi Miyamoto

International Congress Series, **1260**: 303-308, 2004

藤原 優, 高橋秀樹, 平井圭介, 宮本政臣

[T47] Adult cardiac Sca-1-positive cells differentiate into beating cardiomyocytes

Katsuhisa Matsuura^{a,b}, Toshio Nagai^a, Nobuhiro Nishigaki, Tomomi Oyama^a, Junichiro Nishi^a, Hiroshi Wada^a, Masanori Sano^a, Haruhiro Toko^a, Hiroshi Akazawa^a, Toshiaki Sato^a, Haruaki Nakaya^a, Hiroshi Kasanuki^b and Issei Komuro^a

Journal of Biological Chemistry, **279**(12): 11384-11391, 2004

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[T48] Structural Basis of Biopterin-induced Inhibition of GTP Cyclohydrolase I by GFRP, Its Feedback Regulatory Protein

Nobuo Maita^a, Kazuyuki Hatakeyama^c, Kengo Okada^{a,d} and Toshio Hakoshima^{a,b}

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[T49] Matrix extracellular phosphoglycoprotein (MEPE) is highly expressed in osteocytes in human bone

Akihide Nampei^a, Jun Hashimoto^a, Kenji Hayashida^a, Hideki Tsuboi^a, Kenrin Shi^a, Isamu Tsuji, Hideaki Miyashita, Takao Yamada, Naomichi Matsukawa^a, Masayuki Matsumoto^b, Shigeto Morimoto^b, Toshio Ogihara^a, Takahiro Ochi^a and Hideki Yoshikawa^a

Journal of Bone and Mineral Metabolism, **22**(3): 176-184, 2004

南平昭豪^a, 橋本 淳^a, 林田賢治^a, 坪井秀規^a, 史 賢林^a, 辻 勇, 宮下英昭, 山田隆央, 松川直道^a, 松本正幸^b, 森本茂人^b, 荻原俊男^a, 越智隆弘^a, 吉川秀樹^a

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[T50] Kazrin, a novel periplakin-interacting protein associated with desmosomes and the keratinocyte plasma membrane

Karen R. Groot^a, Lisa M. Sevilla^a, Kazunori Nishi, Teresa DiColandrea^{a,b} and Fiona M. Watt^a

Journal of Cell Biology, **166**(5): 653-659, 2004

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[T51] Increased oxidative stress in obesity and its impact on metabolic syndrome

Shigetada Furukawa^a, Takuya Fujita^a, Michio Shimabukuro^b, Masanori Iwaki^a, Yukio Yamada, Yoshimitsu Nakajima^c, Osamu Nakayama^c, Makoto Makishima^a, Morihiko Matsuda^a and Iichiro Shimomura^{a,d,e}

Journal of Clinical Investigation, **114**(12): 1752-1761, 2004

古川重忠^a, ふじた たくや^a, 島袋充生^b, 岩城正典^a, 山田幸男, なかじま よしみつ^c, なかやま おさむ^c, 榎島 誠^a, 松田守弘^a, 下村伊一郎^{a,d,e}

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[T52] Functional Hypophysectomy Simply by Neck-Strangulation in the Rat: Applications for ACTH and LH Assays

Ryo Nakayama^{a,c}, Reiko Fujiwara^a, Michio Masuoka^{a,b}, Chiharu Higashiyama^c and Takashi Nonoyama

Journal of Pharmacological Sciences, **96**(2): 101-105, 2004

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[T53] Intracerebroventricular administration of urotensin II promotes anxiogenic-like behaviors in rodents

Yoshio Matsumoto, Michiko Abe, Takuya Watanabe, Yuka Adachi, Takahiko Yano, Hideki Takahashi, Tsukasa Sugo, Masaaki Mori, Chieko Kitada, Tsutomu Kurokawa and Masahiko Fujino

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[T54] Urotensin II-related peptide, the endogenous ligand for the urotensin II receptor in the rat brain

Masaaki Mori and Masahiko Fujino

Peptides, **25**(10): 1815-1818, 2004

森 正明, 藤野政彦

[T55] Phage-induced change in the stability of mRNAs

Hiroyuki Ueno^{a,b} and Tetsuro Yonesaki^a

Virology, **329**(1): 134-141, 2004

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Pharmaceutics

[T56] Improvement of impact toughness of sugar-coated tablets manufactured by the dusting method

Shinji Ohmori, Yasuo Ohno, Tadashi Makino and Toshio Kashihara

Chemical and Pharmaceutical Bulletin, **52**(3): 322-328, 2004

大森真治, 大野泰雄, 槇野 正, 柏原俊夫

[T57] Effect of moisture on impact toughness of sugar-coated tablets manufactured by the dusting method

Shinji Ohmori, Yasuo Ohno, Tadashi Makino and Toshio Kashihara

Chemical and Pharmaceutical Bulletin, **52**(3): 329-334, 2004

大森真治, 大野泰雄, 槇野 正, 柏原俊夫

[T58] Characteristics of erythritol and formulation of a novel coating with erythritol termed thin-layer sugarless coating

Shinji Ohmori, Yasuo Ohno, Tadashi Makino and Toshio Kashihara

International Journal of Pharmaceutics, **278**(2): 447-457, 2004

大森真治, 大野泰雄, 槇野 正, 柏原俊夫

[T59] Development and evaluation of the tablets coated with the novel formulation termed thin-layer sugarless coated tablets

Shinji Ohmori, Yasuo Ohno, Tadashi Makino and Toshio Kashihara

International Journal of Pharmaceutics, **278**(2): 459-469, 2004

大森真治, 大野泰雄, 槇野 正, 柏原俊夫

Pharmacokinetics and Drug Metabolism

[T60] Characterization of the CYP3A4 Active Site by Homology Modeling

Toshimasa Tanaka, Teruaki Okuda and Yoshio Yamamoto

Chemical and Pharmaceutical Bulletin, **52**(7): 830-835, 2004

田中稔祐, 奥田照明, 山本善雄

[T61] Characterization of the CYP2C8 Active Site by Homology Modeling

Toshimasa Tanaka, Naomi Kamiguchi, Teruaki Okuda and Yoshio Yamamoto

Chemical and Pharmaceutical Bulletin, **52**(7): 836-841, 2004

田中稔祐, 上口直美, 奥田照明, 山本善雄

[T62] Functional characterization of single nucleotide polymorphisms with amino acid substitution in *CYP1A2*, *CYP2A6*, and *CYP2B6* found in the Japanese population

Masahiko Iwasaki^{1,3}, Yoshinobu Yoshimura², Satoru Asahi³, Kimitoshi Saito⁴, Shuichi Sakai⁴, Shigemichi Morita⁵, Osamu Takenaka⁶, Toshio Inoda⁷, Eiji Kashiyama⁸, Akinori Aoyama⁹, Takeshi Nakabayashi¹⁰, Satoshi Omori¹¹, Takashi Kuwabara¹², Takashi Izumi¹³, Kouichi Nakamura¹³, Kaoru Takanaka¹³, Yukiharu Nakayama¹⁴, Mitsuaki Takeuchi¹⁴, Hideki Nakamura¹⁵, Shun-ichi Kametani¹⁶, Yoshiaki Terauchi¹⁷, Takanori Hashizume¹⁷, Sekio Nagayama¹⁸, Toshiyuki Kume¹⁹, Meguru Achira¹⁹, Hiroyuki Kawai²⁰, Takashi kawashiro²¹, Akio Nakamura²², Yasuhiro Nakai²³, Akira Kagayama²⁴, Toshifumi Shiraga²⁴, Takuro Niwa²⁵, Takuya Yoshimura²⁵, Jun Morita²⁶, Fukuichi Osawa²⁶, Masato Tani²⁶, Nobuo Osawa²⁷, Keiichi Ida²⁷ and Kiyoshi Noguchi²⁸

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Clinical Research

[T63] Large-scale single-nucleotide polymorphism (SNP) and haplotype analyses, using dense SNP maps, of 199 drug-related genes in 752 subjects: The analysis of the association between uncommon SNPs within haplotype blocks and the haplotypes constructed with haplotype-tagging SNPs

Naoyuki Kamatani^a, Akihiro Sekine^b, Takuya Kitamoto^b, Aritoshi Iida^b, Susumu Saito^b, Akifumi Kogame, Eisuke Inoue^a, Manabu Kawamoto^a, Masayoshi Harigai^a and Yusuke Nakamura^b

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^b Laboratory of Genotyping, RIKEN SNP Research Center, Riken Yokohama Institute, Kanagawa

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Biochemistry and Biotechnology

[T64] 遊離脂肪酸受容体 GPR40 の同定と機能解析

小林 真, 伊藤康明, 日沼州司

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Identification and a functional analysis of free fatty acid receptor GPR40

Makoto Kobayashi, Yasuaki Itoh and Shuji Hinuma

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Pharmacology

[T65] 新規アセチルコリンエステラーゼ阻害薬 TAK-802 のモルモット尿流動態に対する作用

長袋 洋, 岡西 聡, 今井重光, 土居孝行

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Hiroshi Nagabukuro, Satoshi Okanishi, Shigemitsu Imai and Takayuki Doi

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[T66] ニューロペプチド W とメタスタチン

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森 正明, 大瀧徹也

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Neuropeptide W and Metastatin: Peptides which Regulate Feeding Behavior and Reproductive Endocrine System

Masaaki Mori and Tetsuya Ohtaki

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[T67] ウロテンシン II の遺伝子、構造、生合成

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Masaaki Mori

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MCH/MCH receptor system and its role in the regulation of feeding behavior

Masaaki Mori and Masahiko Fujino

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Shinji Ohmori

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～シュガーレス薄層糖衣錠の開発～

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Shinji Ohmori, Yasuo Ohno, Tadashi Makino and Toshio Kashihara

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