

1. Original Articles

<Transporter-mediated Drug Disposition, Efficacy and Toxicity>

- 1) Kawase A, Norikane S, Okada A, Adachi M, Kato Y, Iwaki M. Distinct Alterations in ABC Transporter Expression in Liver, Kidney, Small Intestine, and Brain in Adjuvant-induced Arthritic Rats. *J Pharm Sci*, in press.
- 2) Ishimoto T, Nakamichi N, Hosotani H, Masuo Y, Sugiura T and Kato Y. Organic cation transporter-mediated ergothioneine uptake in mouse neural progenitor cells suppresses proliferation and promotes differentiation into neurons. *PLoS One* **9**(2): e89434, 2014. (IF₂₀₁₃ = 3.730)
- 3) Takeuchi K, Sugiura T, Matsubara K, Sato R, Shimizu T, Masuo Y, Horikawa M, Nakamichi N, Ishiwata N and Kato Y. Interaction of novel platelet-increasing agent eltrombopag with rosuvastatin via breast cancer resistance protein in human. *Drug Metab Dispos* **42**(4): 726-734, 2014. (IF₂₀₁₃ = 3.361)
- 4) Fujita K, Sugiura T, Okumura H, Umeda S, Nakamichi N, Watanabe Y, Suzuki H, Sunakawa Y, Shimada K, Kawara K, Sasaki Y and Kato Y. Direct inhibition and down-regulation by uremic plasma components of hepatic uptake transporter for SN-38, an active metabolite of irinotecan, in humans. *Pharm Res* **31**(1):204-215, 2014. (IF₂₀₁₃ = 4.742)
- 5) Nakamichi N, Shima H, Asano S, Ishimoto T, Sugiura T, Matsubara K, Kusuhara H, Sugiyama Y, Sai Y, Miyamoto KI, Tsuji A, Kato Y. Involvement of carnitine/organic cation transporter OCTN1/SLC22A4 in gastrointestinal absorption of metformin. *J Pharm Sci* **102**(9): 3407-3417, 2013. (IF = 3.130)
- 6) Shitara Y, Nakamichi N, Norioka M, Shima H, Kato Y, Horie T. Role of organic cation/carnitine transporter 1 in uptake of phenformin and inhibitory effect on complex I respiration in mitochondria. *Toxicol Sci* **132**(1): 32-42, 2013. (IF = 4.328)
- 7) Hashimoto N, Nakamichi N, Uwafuji S, Yoshida K, Sugiura T, Tsuji A, Kato Y. ATP binding cassette transporters in two distinct compartments of skin contribute to transdermal absorption of a typical substrate. *J Controlled Rel* **165**(1): 54-61, 2013. (IF = 7.633)
- 8) Nakamichi N, Taguchi T, Hosotani H, Wakayama T, Shimizu T, Sugiura T, Iseki S, Kato Y. Functional expression of carnitine/organic cation transporter OCTN1 in mouse brain neurons: Possible involvement in neuronal differentiation. *Neurochem Int* **61**(7): 1121-1132, 2012. (IF = 2.659)
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- 10) Takeuchi K, Sugiura T, Umeda S, Matsubara K, Horikawa M, Nakamichi N, Silver DL, Ishiwata N, Kato Y. Pharmacokinetics and hepatic uptake of eltrombopag, a novel platelet-Increasing agent. *Drug Metab Dispos* **39**(6):1088-1096, 2011. (IF = 3.733)
- 11) Sugiura T, Otake T, Shimizu T, Wakayama T, Silver DL, Utsumi R, Nishimura T, Iseki S, Nakamichi N, Kubo Y, Tsuji A, Kato Y. PDZK1 regulates organic anion transporting polypeptide Oatp1a in mouse small intestine. *Drug Metab Pharmacokinet* **25**(6): 588-598, 2010. (IF₂₀₀₉ = 2.544)
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<Protein-protein Interaction for Transporters and Other Membrane Proteins >

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