

Publication List

(Yukio Kato, Ph.D.)

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1. Original articles 原著論文 (*, corresponding author)

- 207) Arakawa H, Kawanishi T, Shengyu D, Nishiuchi T, Meguro-Horike M, Horike S, Sugimoto M, Kato Y*. Renal pharmacokinetic adaptation to cholestasis causes increased nephrotoxic drug accumulation by Mrp6 downregulation in mice. *J Pharm Sci* S0022-3549(23)00327-1.
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- 205) Alshammaria AH, Masuo Y, Yoshino S, Yamashita R, Ishimoto T, Fujita K, Kato Y*. Adeno-associated virus-mediated knockdown demonstrates the major role of hepatic Bcrp in the overall disposition of the active metabolite of the tyrosine kinase inhibitor regorafenib in mice. *Drug Metab Pharmacokinet* 49:100483, 2023.
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- 203) Matsumoto T, Masuo Y, Tanaka A, Kimura T, Ioroi T, Yamakawa T, Kitahara H, Kato Y*. A physiologically based pharmacokinetic and pharmacodynamic model for disposition of FF-10832. *Int J Pharm* 627: 12225, 2022.
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- 198) Matsukawa T, Mizutani S, Matsumoto K, Kato Y, Yoshihara M, Shibata K, Kajiyama H. Placental leucine aminopeptidase as a potential specific urine biomarker for invasive ovarian cancer. *J Clin Med* 11(1), 222, 2021.
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- 187) Futatsugi A, Masuo Y, Kato Y*. Effects of probenecid on hepatic and renal disposition of hexadecanedioate, an endogenous substrate of organic anion transporting polypeptide 1B in rats. *J Pharm Sci* 110(5): 2274-2284, 2021.
- 186) Nakamichi N, Nakao S, Nishiyama M, Takeda Y, Ishimoto T, Masuo Y, Matsumoto A, Suzuki M, and Kato Y*. Oral administration of the food derived hydrophilic antioxidant ergothioneine enhances object recognition memory in mice. *Curr Mol Pharmacol* 14(2): 220-233, 2021.
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- 181) Yoshitani J, Kabata T, Arakawa H, Kato Y, Nojima T, Hayashi K, Tokoro M, Sugimoto N, Kajino Y, Inoue D, Ueoka K, Yamamuro Y, Tsuchiya H. Combinational therapy with antibiotics and antibiotic-loaded adipose-derived stem cells reduce abscess formation in implant-related infection in rats. *Sci Rep* 10(1): 11182, 2020.
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- 渡邊憲和、松本 聰、鈴木 真、深谷泰亮、加藤将夫、橋弥尚孝 健常者および軽度認知障害者に対するエルゴチオネイン含有食品の認知機能改善効果—ランダム化プラセボ対照二重盲検並行群間比較試験—薬理と治療 48(4): 685-697, 2020.

- 178) Sarashina A, Chiba K, Tatami S, Kato Y*. Physiologically based pharmacokinetic model of the DPP-4 inhibitor linagliptin to describe its nonlinear pharmacokinetics in humans. *J Pharm Sci* 109(7): 2336-2344, 2020.
- 177) Kubota Y, Fujita K, Takahashi T, Sunakawa Y, Ishida H, Hamada K, Ichikawa W, Tsunoda T, Shimada K, Masuo Y, Kato Y, Sasaki Y. Higher systemic exposure to unbound active metabolites of regorafenib is associated with short progression-free survival in colorectal cancer patients. *Clin Pharmacol Ther* 108(3): 586-595, 2020.
- 176) Arakawa H, Sugiura S, Kawanishi T, Shin K, Toyoda H, Satoh T, Sakai Y, Kanamori T, Kato Y*. Kinetic analysis of sequential metabolism of triazolam and its extrapolation to humans using an entero-hepatic two-organ microphysiological system. *Lab on a Chip* 20(3), 537-547, 2020.
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- 171) Nakamichi N, Matsumoto Y, Kawanishi T, Ishimoto T, Masuo Y, Horikawa M, Kato Y*. Maturational characterization of mouse cortical neurons three-dimensionally cultured in functional polymer FP001-containing medium. *Biol Pharm Bull* 42(9): 1545-1553, 2019.
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