

資源開発研究部門
Medicinal Resources
化学応用分野
Natural Products Chemistry

教 授 門田 重利 Shigetoshi Kadota
准教授 手塚 康弘 Yasuhiro Tezuka
助 教 笹谷 晴恵 Harue Sasaya

◆ 原 著

- 1) Tezuka Y., Morikawa K., Li F., Awale S., Nobukawa T., and Kadota S. : Cytochrome P450 3A4 Inhibitory Constituents of the Wood of *Taxus yunnanensis*. *J. Nat. Prod.*, 74: 102-105, 2011.
- 2) Subehan, Takahashi N., Kadota S., and Tezuka Y. : Cytochrome P450 2D6 Inhibitory Constituents of *Lunasia amara*. *Phytochem. Lett.*, 4: 30-33, 2011.
- 3) Han N., Huang T., Wang Y. C., Yin J., and Kadota S. : Flavanone glycosides from *Viscum coloratum* and their inhibitory effects on osteoclast formation. *Chem. Biodivers.*, 8: 1682-1688, 2011.
- 4) Li F., He Y.-M., Awale S., Kadota S., and Tezuka Y. : Two New Cytotoxic Phenylallylflavanones from Mexican Propolis. *Chem. Pharm. Bull.*, 59: 1194-1196, 2011.
- 5) Tanaka K., Li F., Morikawa K., Nobukawa T., and Kadota S. : Analysis of biosynthetic fluctuations of cultured *Taxus* seedlings using a metabolomic approach. *Phytochemistry*, 72: 1760-1766, 2011.
- 6) Devji T., Reddy C., Woo C., Awale S., Kadota S., and Carrico-Moniz D. : Pancreatic anticancer activity of a novel geranylgeranylated coumarin derivative. *Bioorg. Med. Chem. Lett.*, 21: 5770-5773, 2011.
- 7) Awale S., Linn T. Z., Li F., Tezuka Y., Myint A., Tomida A., Yamori T., Esumi H., and Kadota S. : Identification of Chrysoplenetin from *Vitex negundo* as a Potential Cytotoxic Agent against PANC-1 and a Panel of 39 Human Cancer Cell Lines (JFCR-39). *Phytother. Res.*, 25: 1770-1775, 2011.

◆ 学会報告

- 1) Azis Saifudin*, 門田重利, 手塚康弘 : *Curcuma heyneana* 根茎のグアイアン型セスキテルペン. 日本薬学会第 131 年会, 2011, 3, 29-31, 静岡.
- 2) Dibwe Dya Fita*, Suresh Awale, 手塚康弘, 江角浩安, 門田重利 : *Securidaca longepedunculata* の成分と栄養飢餓状態選択的細胞毒性. 日本薬学会第 131 年会, 2011, 3, 29-31, 静岡.
- 3) Azis Saifudin*, 門田重利, 手塚康弘 : Chemical constituents of *Curcuma heyneana* and their PTP1B inhibitory activity. 日本生薬学会第 58 回年会, 2011, 9, 24-25, 東京.
- 4) Dibwe Dya Fita*, Suresh Awale, 門田重利, 手塚康弘 : Constituents of *Securidaca longepedunculata* and Their Preferential Cytotoxicity against Human Pancreatic Cancer Cells. 日本生薬学会第 58 回年会, 2011, 9, 24-25, 東京.

◆ その他

- 1) Kadota S. : Novel Strategy in Anti-cancer Drug Discovery. BIT's 2nd Annual International Conference of Medichem - 2011, 2011, 8, 9-11, Beijing, China. (Invited lecture)
- 2) 浦田統子, 王 旭, 手塚康弘, 門田重利, 豊岡尚樹 : 毒ガエルアルカロイド **239Q** および類縁体の合成研究. 平成 23 年度有機合成化学北陸セミナー, 2011, 10, 7-8, 坂井.
- 3) 谷口 瑛, 工藤直紀, 松谷裕二, 杉本健士, 川崎正志, Suresh Awale, 手塚康弘, 門田重利, 三好千香, 江角浩安, 豊岡尚樹 : 栄養飢餓耐性解除に基づく新規膵臓がん治療薬の開発研究. 平成 23 年度有機合成化学北陸セミナー, 2011, 10, 7-8, 坂井.