

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 アワレ スレス Suresh Awale

◆ 原 著

- 1) Miyake K.*, Tezuka Y., Awale S., Li F., and Kadota S.: Canthin-6-one alkaloids and a tirucallanoid from *Eurycoma longifolia* Jack. Nat. Prod. Commun., 5: 17-22, 2010.
- 2) He C. C., Hui R. R., Tezuka Y., Kadota S., and Li J. X.: Osteoprotective effect of extract from *Achyranthes bidentata* in ovariectomized rats. J. Ethnopharmacol., 127: 229-234, 2010.
- 3) Yin J., Han N., Liu Z., Song S., and Kadota S.: The *in vitro* antiosteoporotic activity of some glycosides in *Dioscorea spongiosa*. Biol. Pharm. Bull., 33: 316-320, 2010.
- 4) Pham N. T., Tohda M., Tezuka Y., and Matsumoto K.: Influence of an adenosine deaminase inhibitor, *erythro*-9-(2-hydroxy-3-nonyl) adenine hydrochloride, on 5-HT2CR mRNA editing in primary cultured cortical cells. Biol. Pharm. Bull., 33: 527-529, 2010.
- 5) Li F.*, Awale S., Tezuka Y., Esumi H., and Kadota S.: Study on the Constituents of Mexican Propolis and Their Cytotoxic Activity against PANC-1 Human Pancreatic Cancer Cells. J. Nat. Prod., 73: 623-627, 2010.
- 6) Miyake K.*, Li F., Tezuka Y., Awale S., and Kadota S.: Cytotoxic Activity of Quassinooids from *Eurycoma longifolia*. Nat. Prod. Commun., 5: 1009-1012, 2010.
- 7) Morikawa K.*, Tanaka K., Li F., Awale S., Tezuka Y., Nobukawa T., and Kadota S.: Analysis of MS/MS fragmentation of taxoids. Nat. Prod. Commun., 5: 1551-1556, 2010.
- 8) Li F.*, Awale S., Tezuka Y., Esumi H., and Kadota S.: Cytotoxicity of Constituents from Mexican Propolis Against a Panel of Six Different Cancer Cell Lines. Nat. Prod. Commun., 5: 1601-1606, 2010.
- 9) Widjowati R.*, Miyahara T., Tezuka Y., Awale S., Kadota S.: Enhancement of alkaline phosphatase (ALP) activity by Indonesian medicinal plants and active constituents of *Barleria lupulina*. Nat. Prod. Commun., 5: 1711-1716, 2010.

◆ 学会報告

- 1) Lidyawati Auw*, Suresh Awale, 門田重利, 手塚康弘 : インドネシア産薬用植物 *Averrhoa bilimbi* L. の CYP2D6 および 3A4 に対する阻害活性. 日本薬学会第 130 年会, 2010, 3, 28-30, 岡山.
- 2) 李 峰*, Suresh Awale, 手塚康弘, 門田重利 : ミャンマー産プロポリスの細胞毒性成分及び構造活性相関. 日本薬学会第 130 年会, 2010, 3, 28-30, 岡山.
- 3) 守川耕平*, 田中 謙, 李 峰, 手塚康弘, Suresh Awale, 信川高寛, 門田重利 : 南方紅豆杉の栽培年数による成分変化解析. 日本薬学会第 130 年会, 2010, 3, 28-30, 岡山.
- 4) 三宅克典*, 李 峰, 手塚康弘, Suresh Awale, 門田重利 : *Eurycoma longifolia* より単離したカシノイド類の細胞毒性. 日本薬学会第 130 年会, 2010, 3, 28-30, 岡山.
- 5) 三宅克典*, 手塚康弘, Suresh Awale, 李 峰, 門田重利 : ベトナム生薬 *Eurycoma longifolia* Jack の成分研究. 日本薬学会第 130 年会, 2010, 3, 28-30, 岡山.
- 6) 守川耕平*, Lidyawati Auw, Subehan, 李 峰, Suresh Awale, 信川高寛, 田中 謙, 門田重利, 手塚康弘 : 紅豆杉の薬物代謝酵素に対する阻害活性. 第 27 回和漢医薬学会大会, 2010, 8, 28-29, 京都.
- 7) Lidyawati Auw*, Suresh Awale, Shigetoshi Kadota, Yasuhiro Tezuka : Constituents of Indonesian medicinal plant *Averrhoa bilimbi* L. and their CYP3A4 inhibitory activity. 日本生薬学会第 57 回年会, 2010, 9, 25-26, 徳島.
- 8) Dibwe Dya Fita*, Suresh Awale, Yasuhiro Tezuka, Hiroyasu Esumi, Shigetoshi Kadota : Preferential cytotoxic constituents of *Garcinia huillensis* from D. R. Congo against PANC-1 human pancreatic cancer cell line in nutrient deprived conditions. 日本

生薬学会第 57 回年会, 2010, 9, 25–26, 徳島.

- 9) 李 峰, Suresh Awale, 手塚康弘, 門田重利: Constituents of Mexican propolis and their preferential cytotoxic activity against PANC-1 human pancreatic cancer cells. 日本生薬学会第 57 回年会, 2010, 9, 25–26, 徳島.
- 10) 岡村侑香里*, 李 峰, Suresh Awale, 手塚康弘, 門田重利: 羅活に含まれる抗癌活性物質の研究. 日本生薬学会第 57 回年会, 2010, 9, 25–26, 徳島.

◆ その他

- 1) Yasuhiro Tezuka, Suresh Awale, Shigetoshi Kadota: Antiausterity Strategy based Natural Anticancer Agents from the Medicinal Plants in Myanmar. 「共同利用・共同研究拠点」認定記念, 日本学術振興会先端学術研究人材養成事業, シンポジウム「異分野の視点から見た和漢薬研究の独創的体系構築 社会科学的, 分子生物学及びナノ構造分野から」(Innovative Ideas in Natural Medicine Research: Perspective Views Social Science, Molecular Biology, and Nano Materials), 2010, 2, 18–19, 富山.
- 2) Shigetoshi Kadota: From "Kampo" to Clinic: Recent Developments. International Symposium on Herbal Medicine R&D (ISHM), 2010, 10, 5, 堤川, 韓国.