



## REFERENCES

### THAI

กิจลุกกา เปปีลี่ขันบางช้าง และ สุนนา มโนวัฒน์. 2535. การวิเคราะห์หาปริมาณ Curcuminoids จากพืชในวงศ์ Zingiberaceae. ปริญญาอินพนธ์ ภาควิชาเภสัชเวท คณะเภสัชศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย.  
แสงวัน เพชรศิริ. 2521. ตำราว่าน 108 และสมุนไพร เล่ม 2. กรุงเทพมหานคร: รังวันเพชรศิริ

### ENGLISH

- Barnen, A. L. 1975. Toxicology and Biochemistry of Butylated Hydroxyanisole and Butylated Hydroxytoluene. *J. Am. Oil. Chem. Soc.* Vol. 52: 59-63.
- Burkill, I. H. 1966. *A Dictionary of the Economic Product of the Malay Peninsula*. Crown Agent. London. England.
- Ceruti, P. 1994. Oxy-radicals and Cancer. *Lancet*. Vol. 344: 862-863.
- Cos, P.; Ying, Li; Calomme, J. P.; Chmanga, K.; Poel, B. V.; Pieter, L.; Vlietinck, A. J.; Berghe, D. V. 1998. Structure-activity Relationship and Classification of Flavonoids as Inhibitors of Xanthine Oxidase and Superoxide Scavengers. *J. Nat. Prod.* Vol. 61: 71-76.
- Dean, R. T.; Gieseque; and Davies, M. J. 1993. Reactive Species and their Accumulation on Radical Damaged Proteins. *Trends Biochem. Sci.* Vol. 18: 437-441.
- Diplock, A. T.; Rice-Evans, C. A.; and Burdon, R. H. 1994. Is There a Significant Role for Lipid Peroxidation in the Causation of Malignancy and for Antioxidants in Cancer Prevention. *Cancer Res.* Vol. 54: 1952S-1956S.
- Firman, K.; Kinoshita, T.; Itai, A.; and Sankawa, U. 1988. Terpenoids from *Curcuma heyneana*. *Phytochemistry*. Vol. 27: 3887.
- Gao, J. F.; Xie, J. H.; Itaka, Y.; and Inayama, S. 1989. The Stereostructure of Wenjine and Related (1 $\pm$ , 10 $\pm$ ). (4 $\pm$ , 5 $\pm$ )-Germacrone-1(10),4-diepoxide Isolated from *Curcuma wenyujin*. *Chem. Pharm. Bull.* Vol. 37: 233.
- Geoffrey, N. R.; Amitabh, C.; and Muraleedharan, G. N. 1998. Novel Bioactivities of *Curcuma longa* Constituents. *J. Nat. Prod.* Vol. 61: 542-545.

- Guddadarangavvanahally, K.; Jayaprakasha, L. J. M. R.; and Kunnumpurath, S. 2002. Improved HPLC Method for the Determination of Curcumin, Demethoxycurcumin, and Bisdemethoxycurcumin. *J. Agric. Food Chem.* Vol. 50: 3668-3672
- Halliwell, B. 1995. How to Characterize an Antioxidant: an Update. *Biochem. Soc. Symp.* Vol. 61: 73-101.
- Halliwell, B.; Murcic, M. A.; Chirico, S.; and Aruoma, O. I. 1995. Free Radicals and Antioxidants in Foods and *in vivo*: What They Do and How They Work. *Crit. Rev. Food Sci. Nutr.* Vol. 35: 7-20.
- Helen, C. F.; Horvat, R.; and Jilani, G. 1982. Isolation, Purification, and Characterization of Insect Repellents from *Curcuma longa* L. *J. Agric. Food Chem.* Vol. 30: 290-292.
- Hikino, H.; Komo, C.; Agatsuma, M.; and Takemoto, T. 1975. Sesquiterpenoids Part XLVII. Structure, Configuration, Conformation, and Thermal Rearrangement of Furanodienone, Isofuranodienone, Curzerenone, Epicurzerenone, and Pyrocurzerenone, Sesquiterpenoids of *Curcuma zedoaria*. *Chem. Soc. Perkin Trans I.*: 478.
- Hostettmann, K.; Terreaux, C.; Marston, A.; and Potterat, O. 1997. The Role of Planar Chromatography in the Rapid Screening and Isolation of Bioactive Compounds from Medicinal Plants. *J. Planar Chromatography*. Vol. 10: 251.
- Ito, N.; Fukushima, S.; Hasegawa, A.; Shibata, M.; and Ogiso, T. 1983. Carcinogenicity of Butylated Hydroxyanisole in F344 Rats. *J. Natl. Cancer Inst.* Vol. 70: 343-347.
- Itokawa, H.; Hirayama, F.; Funakoshi, K.; and Takeya, K. 1985. Studies on the Antitumor Bisabolane Sesquiterpenoids Isolated from *Curcuma xanthorrhiza*. *Chem. Pharm. Bull.* Vol. 33: 3488.
- Itokawa, H.; Morita, M.; and Mihashi, S. 1981. Sesquiterpenoids from *Curcuma aromatica*. *Chem. Pharm. Bull.* Vol. 29: 2383.
- Jergens, T. M.; Frazier, E. G.; Schaeffer, J. M.; Jones, T. E.; Zink, D. L.; Borris, R. P.; Nanakorn, W.; Beck, H. T.; and Balick, M. J. 1994. Novel Diarylheptanoid from *Curcuma comosa*. *J. Nat. Prod.* Vol. 57: 230.
- Kweon, M. H.; Hwang, H. J.; and Sung, H. C. 2001. Identification and Antioxidant Activity of Novel Chlorogenic Acid Derivatives from Bamboo (*Phyllostachys edulis*). *J. Agric. Food Chem.* Vol. 49: 4646-4655.

- Larson, R. A. 1988. The Antioxidants of Higher Plants. *Phytochemistry*. Vol. 27. No. 4: 969-978.
- Martinez-Cayuela, M. 1995. Oxygen Free Radicals and Human Disease. *Biochemie*. Vol. 77: 147-161.
- Masuda, T.; Toi, Y.; Bando, H.; Maekawa, T.; Takeda, Y.; and Yamaguchi, H. 2002. Structural Identification of New Curcumin Dimers and Their Contribution to the Antioxidant Mechanism of Curcumin. *J. Agric. Food Chem.* Vol. 50: 2524-2530.
- Nagao, A.; Seki, M.; and Kobayashi, H. 1999. Inhibition of Xanthine Oxidase by Flavonoids. *Biosci. Biotech. Biochem.* Vol. 63: 1767-1790.
- Nakayama, R.; Tamura, Y.; Yamanaka, H.; Kikuzaki, H.; and Nakatani, I. 1993. Two Curcuminoid Pigments from *Curcuma zedoaria*. *Phytochemistry*. Vol. 33: 501.
- Okamura, H.; Mimura, A.; Yakou, Y.; Niwano, M.; and Takahara, Y. 1993. Antioxidant Activity of Tannins and flavonoids in *Eucalyptus rostrata*. *Phytochemistry*. Vol. 33: 557-561.
- Peak, S. H.; Kim, G. J.; Jong, H. S.; and Yum, S.K. 1996. Ar-turmerone and Beta-atlantone Induce Internucleosomal DNA Fragmentation Associated with Programmed Cell Death in Human Myeloid Leukemia HL-60 Cells. *Arc. Pharm. Res.* Vol. 19: 91-94.
- Rice-Evans, C.; Burdon, R. 1993. Free Radical – Lipid Interactions and Their Pathological Consequences. *Prog. Lipid Res.* Vol. 32: 71-110.
- Shiobara, Y.; Asakawa, Y.; Kodama, M.; Yasuda, K.; and Takemoto, T. 1985. Curcumenone, Curcumanolide A and Curcumanolide B, Three Sesquiterpenoids from *Curcuma zedoaria*. *Phytochemistry*. Vol. 24: 2629.
- Song, E.K.; Cho, H.; Kim, J.S.; Kim, N.Y.; An, N.H.; Kim, J.A.; Lee, S.H.; and Kim J.C. 2001. Diarylheptanoids with Free Radical Scavenging and Hepatoprotective Activity *in vitro* from *Curcuma longa*. *Planta Med.* Vol. 67: 876-877.
- Toda, S.; Miyase, T.; Arichi, H.; Tanizawa, H.; and Takino, Y. 1985. Natural Antioxidants. III. Antioxidative Components Isolated from Rhizome of *Curcuma longa* L. *Chem. Pharm. Bull.* Vol. 33: 1725-1728.
- Uehara, S. I.; Yasuda, I.; Takeya, K.; and Itokawa, H. 1989. New Bisabolane Sesquiterpenoids from the Rhizomes of *Curcuma xanthorrhiza* (ZINGIBERACEAE). *Chem. Pharm. Bull.* Vol. 37: 237.

- Wijewickreme, A. N.; Krejpcio, Z.; and Kitts, D. D. 1999. Hydroxyl Scavenging Activity of Glucose, Fructose, and Ribose-Lysine Model Maillard Products. *J.Food Sci.* Vol. 64: 457-461.
- Yen, G.C.; and Hsieh, C.L. 1997. Antioxidant Effects of Dopamine and Related Compounds. *Biosci. Biotech. Biochem.* Vol. 61: 1646-1649.

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