

References

1. Pongboonrod, S., Mai-tet Muang-thai, Kasembannakich Press, Bangkok, **1979**, 140.
2. Faculty of Pharmacy, Mahidol University, *Siam Paisutchayaprug*, Bangkok, **1995**, 36.
3. Petroleum Authority of Thailand, *Her Royal Highness Princess Sirinthorn Medicinal Plant Garden: Progress Report (1958-1986)*, **1987**, 48.
4. Katzung, B.G., *Basic & Clinical Pharmacology*, Prentice Hall, **1995**.
5. Kongkathip, B., A Study of Chemical Constituents of *Breynia glauca* and *Arfeuillea arborescens*, MS. Thesis (Organic Chemistry), Faculty of Graduate Studies, Mahidol University, **1974**.
6. Welzen, P. C. V., An Introduction to the Sapindaceae in Thailand, *Thai Forest Bullentin (Botany)*, **1997**, 25, 21.
7. Keng, H., The concise Flora of Singapore: Gymnosperms and Dicotyledons, Singapore University Press, **1990**.
8. Hostettmann, K. and Marston, A., *Chemistry and Pharmacology of Natural Products: Saponins*, Cambridge University Press, **1995**.
9. Angkapindu, A., Suanpan, S. and Sithipitaks, V., Oil, Protein and Amino Acid Contents in Fambutan Seed, *Mahidol Univ. J. Pharm. Sci.*, **1975**, 2(1), 58.
10. Namjuntra, P. and Chulavatnatol, M., A Survey of Sperm Agglutinating Activity in Extracts from Seeds of Thai Fruit, *Abstr. 3rd Congress of the Federation of Asian and Oceanian Biochemists*, Bangkok, **1983**, 97.
11. Jagannath, M. and Bachaspath, R., Chemical Examination of Wephelium litchi, *J. Indian Chem. Soc.*, **1970**, 47(2), 176
12. Gray, D. O. and Fowden, L., α -(Methylenecyclopropyl) glycine from Litchi Seeds, *Biochem. J.*, **1962**, 182, 385.

13. Van Rooyan, P. H. and Redelinghuys, H. J. P., Crystal Structure and Molecular Conformation of Proanthocyanidin-AZ: A Bitter Substance in Fitchia (Litchi Chiniensis Sonn.), *S. Afr. J. Chem.*, **1983**, 36(2), 49.
14. Wagner, H., Biadt, S. and Zgainski, E. M., *Plant Drug Analysis: A TLC Atlas*, Springer-Verlag, Munchen, **1984**.
15. Harborne, J. B., *Phytochemical Methods: A Guide to Modern Techniques of Plant Analysis*, Chapman and Hall, London, **1973**.
16. Solis, P. N., Wright, C.W., Anderson, M. M., Gupta, M. P. and Phillipson, J. D., A Microwell Cytotoxicity Assays Using Artemia salina (Brine Shrimp), *Planta Med.*, **1993**, 59, 250.
17. *The Official Methods of Analysis of the Association of Official Analytical Chemistry*, 11th ed., Official First Action, **1970**, 843.
18. Zungsontiporn, S., Allelopathic Effect of Some Tropical Plants, Ph.D. dissertation, The United Graduate School, Tokyo University of Agriculture and Technology Science of Plant and Animal Production, **1995**.
19. McCasland, G. E., Furuta, S., Johnson, L. F. and Shoolery, J. N., Synthesis of Two New Quercitol (Deoxyinositol) Stereoisomers: Nuclear Magnetic Resonance and Optical Rotatory Configuration Proofs, *J. Amer. Chem. Soc.*, **1961**, 83, 2335.
20. Pretsch, E., Clerc, T., Seibl, J., Simon, W., *Table of Spectral Data for Structure Determination of Organic Compounds*, 2nd ed., Springer-Verlag, Berlin Heidelberg, **1989**, H60.
21. *Dictionary of Natural Products: Volume Four (M-Q)*, Chapman & Hall, Cambridge, **1994**, 4887.
22. Harborn, J. B., *The Flavonoids: Advances in Research since 1986*, Cambridge University Press, Cambridge, **1994**.
23. Bohlmann, F., Zdero, C., Jakupovic, J., Misra, L. N., Banerjee, S., Singh, P., Baruah, R. N., Metwally, M. A., Hirschmann, G. S., Vincent, L. P. D., King, R. M. and Robinson, H., Eremophilane Derivatives and Other Constituents from *Senecio* Species, *Phytochemistry*, **1985**, 24(6), 1249.

24. Hemlate and Kalidhar, S. B. Chemical Components of *Dodonaea Viscosa* Stems, *J. Indian Chem Soc.*, **1994**, *71(4)*, 213.
25. Kyogoku, K., Hatayama, K., Yokomori, S., Saziki, R., Nakane, S., Sasajima, M., Sawada, J., Ohzeki, M. and Tanaka, I., Anti-ulcer Effect of Isoprenyl Flavonoids II: Synthesis and Anti-ulcer Activity of New Chalcones Related to Sophoradin, *Chem. Pharm. Bull.*, **1979**, *27*, 2493.
26. Breitmaier, E. and Voelter, W., *Carbon-13 NMR Spectroscopy*, 3rd ed., VCH Publishers, New York, **1987**.
27. Maneechakr, P., Chemical Constituents and Biological Activities of *Sphaeranthus africanus* Linn., Ms. Thesis (Chemistry), Graduate School, Chulalongkorn University, **1994**, 111.
28. Murray, R. D. H., Mendez, J. and Brown, S. A. *The Natural Coumarin: Occurrence, Chemistry and Biochemistry*, Page Bros. (Norwich) LTd., Brisbane, **1982**.
29. Milton, T. W. H, Carbon-13 Chemistry Shifts in Some Substituted Furan and Thiophens, *Aust. J. Chem.*, **1976**, *29*, 107.
30. Nishibe, S., Hisada, S. and Inagaki, I., Isolation of 5-Hydroxymethylfurfural from *Trachelospermum asiaticum* var. *intermedium*, *Chem. Pharm. Bull.*, **1973**, *21(5)*, 1155.
31. Murakami, T., Tanaka, N., Tezuka, T. and Chen, C., Chemical and Chemotaxonomic investigations of the Genus *Pteris* and Related Genera VIII: Chemical Investigation of the Constituents of *Pteris inaequalis* var. *aequata*, *Chem. Pharm. Bull.*, **1975**, *23(7)*, 1634.
32. Salimuzzaman, S., Tariq, M., Bina, S. S and Shaheen, F., A Studies in the Nonterpenoidal Constituents of *Azadirachta indica*, *Pak. J. Sci. Ind. Res.*, **1985**, *28(1)*, 1.
33. Wübert, J. Oster, U. and Rüdiger, W., Interaction of 5-Hydroxymethyl-Furfural with Hydroxymethylbilane Synthase, *Phytochemistry*, **1997**, *46(1)*, 45.
34. *Chemical Abstracts (Subject Index)*, **1967-1971**, 66: P22133k.

35. Ahn, B. Z. and Rhee, J. K., Anthelmintic Activity of Natural Products and Their Analogs against *Clonorchia sinensis*, *Yakhak Hoechi*, **1986**, 30(5), 253.
36. Pouchert, C. J. and Campbell, J. R., *The Aldrich Library of NMR Spectra : Volume VI*.
37. Kindl, H., Scholda, R. and Hoffmann-Ostenhof, O., Untersuchungen über Die Biosynthese Der Cyclite-XV: Zur Bildung Von L-(+)-Quercit in Quercus-Arten, *Phytochemisry*, **1967**, 6, 237.
38. Funiss, B. S., Hannaford, A. J., Rogers, V., Smith, P. W. G. and Tatchell, A. R., *Vogel's Textbook of Practical Organic Chemistry*, 4th ed., Longmann group Ltd., London, **1978**.
39. Pollock, J. R. A., Stevens, R., *Dictionary of Organic Compounds Volume 3: Din-Iza*, 5th ed., Eyre and Spottiswoode (Publishers) Ltd., London, **1965**.
40. Pouchert, C. T., *The Aldrich Library of Infrared Spectra*, 2nd ed., Aldrich Chemical Company, Wisconsin, **1975**.
41. Chung, K. T., Thomasson, W. R. and Wu-Yuan, C. D., Growth Inhibition of Selected Food-Borne Bacteria, Particularly *Listeria monocytogenes*, by Plant Extracts, *J. Applied Bacteriology*, **1990**, 69, 498.

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