

## REFERENCES

### ภาษาไทย

มหิดล, มหาวิทยาลัย, คณะเภสัชศาสตร์. 2535. สมุนไพรในสวนสิริรุกชาติ. กรุงเทพมหานคร :

อัมรินทร์พรินดีง.

### ภาษาอังกฤษ

Achari, B., Ali, E., Dastidar, P.P.G., Sinha, R.R., and Pakrashi, S.C. 1980. Studies on Indian medicinal plants. Part 56 Further investigations on the alkaloids of *Alangium lamarckii* Thw. Planta Med. Supplement 40 : 5-7.

\_\_\_\_\_, Pal, A., and Pakrashi, S.C. 1975. Indian medicinal plants XXXI. N-Benzoyl-L-phenylalaniol from *Alangium lamarckii* Thw. Indian J. Chem. 12 : 1278.

\_\_\_\_\_. 1975. Indian medicinal plants. XXXVI. New D:E-cis neophane derivative from *Alangium lamarckii* Thw. Tetrahedron Lett. 1975 : 4275.

Albright, J.D., Van Meter, J.C., and Goldman, L. 1965. Alkaloid studies IV Isolation of cephaeline and tubulosine from *Alangium lamarckii* Thw. Lloydia 28 : 212.

Ali, E., Sinha, R.R., Achari, B., and Pakrashi, S.C. 1982. Demethylprotoemetinols from *Alangium lamarckii* Thw. Heterocycles 19 : 2301-2304.

Battersby, A.R., Burnett, A.R., and Parsons, P.G. 1969. Alkaloid biosynthesis. Part XV. Partial synthesis and isolation of vincoside and isovincoside: Biosynthesis of the three major classes of indole alkaloids from vincoside. J. Chem. Soc. (C): 1193-1200.

\_\_\_\_\_, Davidson, G.C., and Harper, B.J.T. 1959. Ipecacuanha alkaloids. Part I Fractionation studies and the isolation of two new alkaloids. J. Chem. Soc. : 1744-1748.

- \_\_\_\_\_, and Gregory, B. 1968. Biosynthesis of the ipecac alkaloids and ipecoside, a cleaved cyclopentane monoterpene. Chem. Comm. : 134-135.
- \_\_\_\_\_, Kapil, R.S., Bhakuni, D.S., Popil, S.P., Merchant, J.R., and Salgar, S.S. 1966. New alkaloids from *Alangium lamarckii* Thw. Tetrahedron Lett. 41 : 4965-4971.
- \_\_\_\_\_, Merchant, J.R., Ruveda, E.A., and Salgar, S.S. 1965. Structure, synthesis, and stereochemistry of deoxytubulosine. Chem. Comm. 14 : 315.
- \_\_\_\_\_, and Parry, R.J. 1971. Biosynthesis of the ipecac alkaloids and of ipecoside. Chem. Comm. : 901-902.
- Bhakuni, D.S., Dhar, M.M., and Dhar, M.L. 1960. Structure of alangine-A, an alkaloid from *Alangium lamarckii* Thw. J. Sci. Ind. Res.-B 19 : 8-10.
- \_\_\_\_\_, Jain, S, and Chaturvedi, R. 1983. Biosynthesis of the ipecac betacarboline alkaloid tubulosine. J. Chem. Soc. Perkin. Trans. I 9 : 1949-1952.
- Bhattacharjya, A., Mukhopadhyay, R., and Pakrashi, S.C. 1986. Structure and synthesis of alamaridine, a novel benzopyridoquinolizine alkaloid from *Alangium lamarckii* Thw. Tetrahedron Lett. 27 : 1215-1216.
- Brauchli, P., Deulofeu, V., Budzikiewicz, H., and Djerassi. C. 1964. The structure of tubulosine, a novel alkaloid from *Pogonopus tubulosus* (DC.) Schumann. J. Am. Chem. Soc. 86 : 1895.
- Brindley, W.H., and Pyman F.L. 1927. The alkaloids of ipecacuanha. Part IV. J. Chem. Soc. :1067.
- Brossi, A. 1985. The alkaloids vol.xxv. chemistry and pharmacology. Florida : Academic Press.
- Brossi, A., and Teitel, S. 1966. Synthesis in the emetine series. xii structure and synthesis of psychotrine and 6'-O-methyl-7' desmethylpsychotrine. J. Am. Chem. Soc. 88 : 4068-4071.
- Budzikiewicz, H., Pakrashi, S.C. and Vorbruggen, H. 1964. Die Isolierung von Emetin, Cephaelin und Psychotrin aus *Alangium lamarckii* Thw. und Die Identifizierung von Almarckine mit N-methylcephaelin. Tetrahedron 20 : 399.

- Chattopadhyay, S.K., Slatkin, D.J., Schiff, J.R., and Ray, A.B. 1984. Alancine, a new benzoquinolizine alkaloid from *Alangium lamarckii* Thw. Heterocycles 22 : 1965-1968.
- Cordell, G.A., Saxton, J.E., Shamma, M., and Smith, G.F. 1989. Dictionary of alkaloids 2 vols. London : Chapman and Hall.
- Dasgupta, B. 1965. Chemical investigations of *Alangium lamarckii* Thw. I. Isolation of a new alkaloid, ankorine, from the leaves. J. Pharm. Sci. 54 : 481-483.
- Diallo, A.O., Mehri, H. Iouzalen, L., and Plat, M. 1995. Alkaloids from leaves of *Alangium bussyanum*. Phytochemistry 40 : 975-977.
- Dutta, K.A., Pakrashi, S.C. 1962. Ann. Biochem. Exp. Med. 22 : 23-24. Chemical abstracts 56 : Abstract No. 4049b.
- Fresenius, W., Huber, K., Pungor, E., Retchnitz, G., Simon, W. and West, T. 1989. Tables of spectral data for structure determination of organic compounds Berlin : Spinger-Verlag.
- Fujii, T., Kogen, H., Yoshifuji, S., and Ohba, M., 1985. Quinolizidines. XIII. Syntheses of ( $\pm$ )- and (-)- alangimarckines. Chem. Pharm. Bull. 33 : 1946-1954.
- \_\_\_\_\_, and Ohba, M., 1985. Quinolizidines. X. Stereospecific syntheses of ( $\pm$ )-9-demethylpsychotrine and ( $\pm$ )-10-demethylpsychotrine. Chem. Pharm. Bull. 33 : 144-151.
- \_\_\_\_\_, Yamada, K., Minami, S., Yoshifuji, S., and Ohba, M. 1983. Quinolizidines. VIII. Structure and syntheses of the *Alangium* alkaloid alancine : Synthesis of ( $\pm$ )-and (+)-alancines. Chem. Pharm. Bull. 31 : 2583-2592.
- Gilman, A.G., Goodman, L.S., and Gilman, A. 1980. Goodman and Gilman's the pharmacological basis of therapeutics. 6<sup>th</sup> edition. London : Bailliere Tindall.
- Grag, A.G., and Gear, J.R. 1972. Biosynthesis of the monoterpene (C<sub>9-10</sub>) unit in alkaloids. Phytochemistry 11 : 689.
- Gupta, N.C., Singh, B., and Bhakuni, D.S. 1969. Steroids and triterpenoids from *Alangium lamarckii*, *Allamanda cathartica*, *Abrus precatorius* and *Holoptelea integrifolia*. Phytochemistry 8 : 791-792.

- Itoh, A., and Tanahashi T. 1989. Neoipecoside and 7-methylneoipecoside, new unusually-cyclized tetrahydroisoquinoline monoterpene glucosides from *Cephaelis ipecacuanha*. Chem. Pharm. Bull. 37 : 1137.
- Itoh, A., Tanahashi T., and Nagakura, N. 1991. Tetrahydroisoquinoline monoterpene glucosides from *Cephaelis ipecacuanha*. Phytochemistry 30 : 3117.
- Itoh, A., Tanahashi T., and Nagakura, N. 1995. Five tetrahydroisoquinoline monoterpene glucosides and a tetrahydro  $\beta$ -carboline-monoterpene glucoside from *Alangium lamarckii*. J. Nat. Prod. 58 : 1228-1239.
- Itoh, A., Tanahashi T., Nagakura, N. and Nayeshiro, H. 1994. Tetrahydroisoquinoline monoterpene glucosides from *Alangium lamarckii* and *Cephaelis ipecacuanha*. Phytochemistry. 36 : 383-387.
- Kan-Fan, C., Freire, R., Husson, H.P., Fujii, T., and Ohba, M. 1985. (-)-9-Demethyltubulosine, an alkaloid from *Alangium vitiense* (A. Gray) Baillon (Alangiaceae). Heterocycles 23 : 1089-1092.
- Kapil, R.S., Shoeb, A., Popil, S.P., Burnett, A.R., Knowles, G.D., and Battersby, A.R. 1971. Alangiside : A monoterpene lactam. Chem. Comm. : 904.
- Keene, A.T., Harris, A., Phillipson, J.D., and Warhurst, D.C. 1986. In vitro amoebicidal testing of natural products. Part I. Methodology. Planta Med. 52 : 278-285.
- \_\_\_\_\_, Harris, A., Phillipson, J.D., and Warhurst, D.C., Koch, M., Seguin, E. 1987. In vitro amoebicidal testing of natural products. Part II Alkaloids related to emetine. Planta Med. 53 : 201-206.
- Keng, H. 1987. Orders and families of seed plants of Taiwan. Taipei : Council of Agriculture.
- Kirtikar, K.R., and Basu, B.D. 1933. Indian medicinal plant. Vol.II. Allahabad : Indian Press.
- Mabberley, D.J. 1987. The plant book : A portable dictionary of the higher plants. Cambridge : University Press.

- Mukhopadhyay, R., Dastidar, P.P.G., Ali, E., and Pakrashi, S.C. 1987. Studies on Indian medicinal plants, 87, Lacinilene C - a rare sesquiterpene from *Alangium lamarckii*. J. Nat. Prod. 50 : 1185.
- Monteiro, H., Budzikiewicz, H., Djerassi C., Arndt, R.R., and Baarschers, W.H. 1965. Alkaloid studies. part LIV. Structure of deoxytubulosine and interconversion with tubulosine. Chem. Comm. : 317.
- Nagakura, N., Hofle, G., Coggiola, D., and Zenk, M.H. 1978. The biosynthesis of the ipecac alkaloids and of ipecoside and alangiside. Planta Med. 34 : 381-389.
- Pakrashi, S.C. 1964. Study of alkaloids from *Alangium lamarckii*. Indian J. Chem. 2 : 468.
- \_\_\_\_\_, and Achari, B. 1970. Demethylcephaeline, a new alkaloid from *Alangium lamarckii*. Characterization of AL 60, the hypotensive principle from the stem-bark. Experientia 26 : 933.
- \_\_\_\_\_, Achari, B., Ali, E., Dastidar, P.P.G., and Sinha, R.R. 1980. Novel benzopyridoquinolizine bases from *Alangium lamarckii* Thw. Tetrahedron Lett. 21 : 2667-2670.
- \_\_\_\_\_, and Ali, E. 1967. Newer alkaloids from *Alangium lamarckii* Thw. Tetrahedron Lett. 23 : 2143-2146.
- \_\_\_\_\_, and Ali, E. 1969. Alkaloid from the seeds of *Alangium lamarckii* Thw. Indian J. Chem. 7 : 635.
- \_\_\_\_\_, Bhattacharyya, J., Mookerjee, S., Samanta, T.B., and Vorbruggen, H. 1968. Studies on Indian medicinal plants -18. The non-alkaloidal constituents from the seeds of *Alangium lamarckii* Thw. Phytochem. 7 : 461-466.
- \_\_\_\_\_, Mukhopadhyay, R., Dastidar, P.P.G., Bhattacharjya, A., and Ali, E. 1983. Studies on Indian medicinal plants -71. Bharatamine- a unique protoberberine alkaloid from *Alangium lamarckii* Thw., biogenically derived from monoterpenoid precursor. Tetrahedron Lett. 24 : 291-294.
- \_\_\_\_\_, Mukhopadhyay, R., Sinha, R.R., Dastidar, P.P.G., Achari, B., and Ali, E. 1985. Studies on Indian medicinal plants : Part LXXX-

- benzopyridoquinolizine alkaloids of *Alangium lamarckii* Thw. Indian J. Chem. Sec. B 24 1 : 19-28.
- Popelak, A., Haack, E., and Spingler, H. 1966 a. Uber ein Neues Alkaloid aus *Alangium lamarckii* Thw. Tetrahedron Lett. : 1081.
- \_\_\_\_\_. H. 1966 b. Isolierung von Isotubulosin aus *Alangium lamarckii* Thw. Tetrahedron Lett. : 5077.
- Prasad, D.N., Bhattacharya, S.K., and Das, P.K. 1966. A study of antiinflammatory activity of some indigenous drugs in albino rats. Indian J. Med. Res. 54 : 580-588. Chemical abstracts 65 : Abstract No.7847c.
- Reynolds E.F.J., ed. 1989. Martindale's the extra pharmacopoeia. 29<sup>th</sup> edition London :The Pharmaceutical Press.
- Shoeb, A., Raj, K., Kapil, R.S., and Popil, S.P. 1975. Alangiside, the monoterpenoid alkaloidal glycoside from *Alangium lamarckii*. J. Chem. Soc. Perkin Trans I : 1245-1248.
- Smitinand, T. 1980. Thai plant names. 2<sup>nd</sup> ed. Bangkok : Funny Publishing.
- Teitel, S., and Brossi, A. 1966. Synthesis in the emetine series. XIII. Structure and synthesis of psychotrine and 6'-O-methyl-7'-desmethylpsychotrine. J. Am. Chem. Soc. 88 : 4068-4071.
- Wiegrebe, W., Kramer, W.J., and Shamma, M. 1984. The emetine alkaloids. J. Nat. Prod. 47 : 397-408.
- Willaman, J.J., and Li, H.L. 1970. Alkaloid-bearing plants and their contained alkaloids. Lloydia 33s : 1-286.



## VITA

Miss Worapan Sittithaworn was born on February, 24, 1969 in Phuket, Thailand. She received her Bachelor of Science in Pharmacy in 1993 from the Faculty of Pharmacy, Mahidol University, Thailand. At present, she is a faculty member of Srinakharinwirot University.