

REFERENCES

- Adriaens, L. "Chemistry of Several Gum from the Belgian Congo." Chem. Abstr. 37:49166,1943.
- Agrawal, Pk. and Singh, B. "Chemical constituents of *Albizzia lebeck.*" Indian J Pharm Sci 90(27) : 24-26 (1991).
- Ahmad, M. and Akhtar, Ma . "Studies On The Fixed Oil Of The Seeds And *Albizia Odoratissima.* Part Iv." Pak J Sci Ind Res 34 7/8: 305-306 (1991).
- Anderson, D.M. ; Cree, G.M. ; Marshall, J.J. and Rahman, S. "Uronic Acid Material XIII. The Composition of Gum Extracts from *Albizzia sericocephala* and *A. glaberrima* with an Appendix on Botanical Nomenclature in the Gum *Albizzia.*" Carbohydrates Res. 2(1),(1966) : 63-69.
- Apple White, P.B. "Serotonin and Norepinephrine in Plant Tissues." Phytochem. 12 (1), (1973): 191-192.
- Badami, Rc. and Daulatabad, Cd. "Component Acids Of *Tamarindus Indica*, *Peltophorum Ferrugineum*, And *Albizzia julibrassin.*" J Karnatak Univ 14 : 20- (1969).
- Badawi, M.M. ; Bernauer, K.; Broek, P. Van Den, Groger, A. Guggisberg; Johne, S. ; Kompis, I. ; Schneider, F.; Veith, H-J. ; Hesse, M. and Schmid, H. "Macrocyclic Spermidine and Spermine Alkaloids." Pure Appl. Chem. 33 (1973):81-107.
- Banerji, R. ; Misra, G. and Nigam, Sk. "Chemical Examination Of Root And Leaves Of *Albizzia Procera.*" Indian J Pharm Sci 41 : 115-116 (1979).

- Banerjee, Sk. ; Chakravarti, Sn. and Mahato, Sb. "Alpha Spinasterol From *Albizzia lucida*." Bull Calcutta Sch Trop Med 13 : 144- (1965).
- Bell, E.A. and Charlwood, B.V. Secondary Plant Products. Vol. III. pp. 210-236, Springer-Verlag Berlin Heidelberg, New York, 1980.
- Benerji, R. ; Misra, G. and Nigam, S.K. "Chemical Examination of Root and Leaves of *Albizia procera*." Indian J. Pharm. Sci. 41(3),(1979):115-116.
- Borchert, R. "Calcium-Induced Patterns Of Calcium-Oxalate Crystals In Isolated Leaflets Of *Gleditsia Triacanthos* L. And *Albizia Julibrissin* Durazz." Planta 165 3: 301-310 (1985).
- Brandis, D. in India Tree, p. 272, Bishen Singh Mahendra Pal Singh, Delhi, 1971.
- Burkill, I.H. in A Dictionary of the Economic Products of the Malay Peninsula, Vol. I pp. 82-88, Great Britain at the University press, London, 1935.
- Candy, Ha. et al. "Flavonoids Of *Albizia Adianthifolia*." Phytochemistry 17 : 1681-1682 (1978).
- Carpani, G. et al. "Saponins From *Albizzia Anthelmintica*." Phytochemistry 28 3: 863-866 (1989).
- Chakraborti, Sk. and Roy, Ak. "Triterpenoid Sapogenins From The Seed Of *Albizzia lucida*." Trans Bose Res Inst Calcutta 25 : 69- (1962).
- Chamsuksai, Prapaipit; Choi, Joe Sue and Woo, Won Sick. "3',4',7-Trihydroxyflavone in *Albizia julibrissin*." Arch. Pharmacol Res. 4(2),(1981): 129-131.
- Chamsuksai, Ap. and Woo, Ws. "Chemical Constituents In The Stembark Of *Albizia julibrissin* Durazz." Abstr 10th Conference Of Science And Technology Thailand Chiangmai Univ Chiangmai Thailand 1984 : 367-368 (1984).

- Chandler, Rf. and Hooper, Sn. "Friedelin and associated triterpenoids."
Phytochemistry 18 : 711-724 (1979).
- Chandra, I. ; Sud, Rp. and Handa, Kl. "Chemical Examination Of The Oil From
The Seeds Of *Albizzia Amara*." *J Sci Ind Res-B* 15 : 196-198 (1956).
- Comean, Louis C. and Braun, Jean Antaine. "Structural Study of Heteroside
Common to Certain West African Mimosaceae III." *Bull. Soc. Chem. Fr.* 11,
pt. 2 pp. 2513-2516, 1974.
- Comean, Louis C. and Braun, Jean Antoine "Structural Study of a Glycoside
Common to Certain West African Mimosaceae IV." *Bull. Soc. Chem. Fr.* 11,
pt. 2 pp. 2517-2520, 1974.
- Comean, Louise C. and Braun, Jean A. "Structure of a Heteroside Commons to
Several Mimosaceae of Western Affrica II." *Bull. Soc. Chem. Fr.* 3-4, pt. 2
pp. 721-724, 1974.
- Cordell, G.A. in *Introduction to Alkaloids* pp. 930-936, A Wiley Interscience
Publication, New York, 1981.
- Craib, W.G. in *Florae Siamensis Enumeratio*, Vol. I part 3 p. 555, Bangkok Time
Press, Bangkok, 1931.
- Deshpande, V.H. and Shastri, R.K. "Phenolics of *Albizzia lebbeck*, *A. amara* and *A.*
procera." *Indian J. Chem.* 15B(3), (1977) : 201-204.
- Devon, T.K. and Scott, A.I. *Handbook of Naturally Occurring Compounds*. vol II.
Terpene pp. 283-286, Academic Press, New York, 1972.
- Eugster, C.H. "Equisetamalakloide; Stand Der Chimischen Erforschung."
Heterocycles 4 (1), (1970): 51-105.
- Farooqis, M.I.H. and Koul, K.N. "Chemical Investigation of the Gum from *Albizzia*
procera I Structure of Aldobiuronic Acid." *Indian J. Chem.* 3(5), (1965):217-
219.

- Farroq, M.O. and Varshney, I.P. "Saponin and Sapogenin from the Pericarp of the Fruits *Albizia lebeckoides* I. Isolation of a New Sapogenin, Albizziagenine." Bull. Soc. Chim. Fr. pp. 301-302, 1953.
- Farooq, Mo. and Siddiqui, SA. "Chemical Study Of The Lipids From The Seed Of *A. odoratissima*" Bull Soc Chim Fr 1954 : 741- (1954).
- Farooq, Mo. ; Varshney, Ip. ; Siddiqui,Ms. and Hasan,H. "Chemical Study Of Oil From *Albizzia procera*." Bull Soc Chim Biol 41 : 901- (1959).
- Farooq, Mo. ; Varshney, Ip. and Hasan, H. "Machaerinic Acid, A Sapogenin From *Albizzia procera*." C R Acad Sci 246 : 3261- (1958).
- Farooq, Mo. and Varshney, Ip. "A chemical study of the oil from the seed of *A. lebeck*." Bull Soc Chim Fr. (1954) : 739.
- Gaulier, R. "Amino acid composition of the principal forage leguminous plants in Madagascar." Rev Elev Med Vet Pays 21(1) :103 (1968).
- Gmelin, Rolf; Stranss, Gunther and Hasenmaier, Gerhard "The Isolation of Two Plant Amino Acid, S-(2-Carboxyethyl)-L- Cysteine and albizzin, from the Seeds of *A. julibrissin*." Chem. Abstr. 53:1473d,1959.
- Gregor, Hd. and Gmelin, R. "Localization Of C-S Lyase Activity In The Root Cells Of *Albizzia Lophanta*." Protoplasma 99 : 117-124 (1979).
- Gupta, Sr. , Malik, Kk. and Seshadri, Tr. "Chemical components of *Albizzia lebeck* heart wood." Indian J Chem 4 : 139 (1966).
- Higuchi, H. ; Kinjo, J. and Nohara, T. "An Arrhythmic-Inducing Glycoside From *Albizzia julibrissin* Durazz. Iv." Chem Pharm Bull 40 3: 829-831 (1992).
- Higuchi, H. ; Fukui, K. ; Kinjo, J. and Nohara, T. "Four New Glycosides From *albizziae* Cortex. III." Chem Pharm Bull 40 2: 534-535 (1992).

- Hofmann, E. ; Schlee, D. and Reinbothe, H. "On The Occurrence And Distribution Of Allantoin In Boraginaceae." Flora Abt A Physiol Biochem (Jena) 159 : 510-518 (1969).
- Hooker, J.D. in The Flora of British India Vol. 2 p. 300, Bishen Singh Mahendra Pal Singh, Delhi, 1973.
- Ishikura, Nariguki; Ito, Setsuro and Shibata, Mannen "Paper Chromatographic Survey of Anthocyanines in Leguminosae III. Identification and Distribution Pattern of Anthocyanin in Twenty-two Legums." Chem. Abstr. 89:103708d, 1978.
- Ikeda, T. *et al.* "Three New Triterpenoidal Saponins Acylated With Monoterpenic Acid From *Albizziae* Cortex." Bull Chem Soc Japan 68 12: 3483-3490 (1995).
- Ito, A. *et al.* "Alkaloid From Bark Of *Albizzia myriophylla*." Chem Pharm Bull 42 9: 1966-1967 (1994).
- Ito, A. *et al.* "Lignan Glycosides From Bark Of *Albizzia myriophylla*." Phytochemistry 37 5: 1455-1458 (1994).
- Jain, Mk. and Mishra, Rk. "Chemical examination of *Ilex*." Indian J Appl Chem (1963) 26 : 127.
- Kafuku, K. and Hata, C. "Seed oils of Formosan plants. IX. Constituents of various seed oils of Leguminosae." J Chem Soc Japan (1934) 55:369.
- Kaneta, Makoto; Hikichi, Hiroshi; Endo, Seiichi and Sugiyama Noboru "Identification of Flavones in Sixteen Leguminosae Species." Chem. Abstr. 93:91880w, 1980.
- Kang, Sw. and Chen, Sp. "Isolation And Identification Of Julibrotriterpenoidal Lactone A From *Albizia julibrassin* Durazz." Zhongguo Zhongyao Zazhi 17 6: 357-358 (1992).

- Kariyone, Tatsuo *et al.* "Leguminosae." in Annual Index of the Reports on Plant Chemistry in 1957-1972, Tokyo, The Hirokawa Publishing Company Inc. , 1972.
- Kinjo, J. ; Fukui, K. ; Hihuchi, K. and Nohara, T. "The First Isolation Of Lignan Tri- And Tetra-Glycosides." Chem Pharm Bull 39 6: 1623-1625 (1991).
- Kinjo, J. ; Higuchi, H. ; Fukui, K. and Nohara, T. "Lignoids From *Albizziae* cortex. II. A Biodegradation Pathway Of Syringaresinol." Chem Pharm Bull 39 11: 2952-2955 (1991).
- Kong, Sam Sik and Woo, Won Sick. "Saponin from *Albizia julibrissin*." Arch. Pharmacol Res. 6(1), (1983): 25-28.
- Krauss, GJ. and Reinbothe, H. "The Amino Acids Of The Genus *Albizia* (Mimosaceae)." Biochem Physiol Pflanz 161 : 243- (1970).
- Le Rudulier, D.; Goas, G. and Larher, F. "Onium Compounds, Amides and Amino Acids Levels in Nodules and Other Organs of Nitrogen Fixing Plants." Chem. Abstr. 96:215358d, 1982.
- Li, C. *et al.* "Volatile Constituents Of The Flower Of *Albizia Julibrissin* Durazz." Fen Hsi Hua Hsueh 16 7: 585-589 (1988).
- Lipton, A. "An Active Glycoside From *Albizia* Species And Its Action On Isolated Uterus Ileum." J Pharm Pharmacol 15 : 816- (1963).
- Mazzanti, G. *et al.* "Occurrence Of Histamine And Related Imidazole Compounds In Extracts From Root And Trunk Barks Of *Albizzia Adianthifolia*, *Albizzia Anthelmintica* And *Albizzia Julibrissin*." Fitoterapia 54 6: 275-280 (1983).
- Mclean, R.C. and Ivimey-Cook, W.R. Textbook of Theroretical Botany. Vol. II. pp. 2019-2020, Longmans, Green and Co., London 1956.
- Miller, L.P. Phytochemistry. Vol. II., Van Nostrand Reinhold Company, New York, 1973.

- Moon, Ck. ; Lee, Bgand.; Lee, Sh. and Kang, Tl. "Effects Of Antitumor Polysaccharides From *Albizzia julibrissin* On Immune Function." Arch Pharm Res 8 4: 277- 282 (1985).
- Morita, Nakata; Arisawa, Munehira; Nagaes, Machiko; Hsu, Hong-Yen and Chen, Juh-Pan "Studies on the Constituents of Formoson Leguminosae III. Flavonoids from *Leucaena glauca* (L.) Benth., *Cassia fistula* L. and 8 Other Varieties." Chem. Abstr. 88:148947b, 1978.
- Mukherjee, D. "Sulfur amino acids and keto acids In leaves and flowers of *Albizzia lebbeck*." Plant Biochem J 4 : 34 (1977).
- Murakoshi, I. et al. "Biosynthesis Of The Uracilylalanines Willardine And Isowillardiine In Higher Plants." Phytochemistry 17 : 1571-1576 (1978).
- Nakano, Yasuhisa and Takashima, Tohyum. : Extractive of *Albizzia julibrissin* Heartwood." Chem. Abstr. 84:102290w, 1975.
- Narayanan, Cr. et al. "Chemical Examination Of Some Indian Medicinal Plants And Spices." Proc Third Asian Symposium On Medicinal Plants And Spices Colombo Sri Lanka February 1977 1977 : 25-26 (1977).
- Natsume, Mitsutaka and Ogawa, Masashi. "Total Synthesis of (\pm)-Palustrine and Structure Revision." Chem. Pharm. Bull. 32(9), (1984): 3789-3791.
- Nielsen, I. Legumineuses - Mimosoidees in Flore Du Cambodge Du Laos Et Du Viet-Nam (Revision De La Flore Generale De L' Indochin) Vol. 19 pp. 101-102, Laboratoire de Phanerogamie 16, Paris, 1981.
- Nogueira Prista, L.; Correia Alves, A. And Almeida e Silva, L. "Phytochemical Study of the Roots of *A. odianthifolia*." Garcia Orta 10(1), (1962): 93-102.
- Odani, S. et al. "Proteinase Inhibitors From A Mimosoideae Legume, *Albizzia Julibrissin*. Homologs Of Soybean Trypsin Inhibitor (Kunitz)." J Biochem 86 : 1795-1805 (1979).

- Orsini, F. ; Pelizzoni, F. ; Pulici, M. and Verotta, L. "Isolation Of A New Compound Related To 4-Methoxypyridoxine From *Albizzia lucida*." Gazz Chim Ital 119 1: 63-64 (1989).
- Orsini, F. ; Pelizzoni, F. and Verotta, L. "Saponins From *Albizzia lucida*." Phytochemistry 30 12: 4111-4115 (1991).
- Pachaly, Peter; Redeker, Frank and Schoppa, Thomas "Constituents of *Albizzia zygia* II." Arch. Pharm. (Weinheim Ger.) 316(7), (1983): 651-652.
- Pezzuto, Jm. *et al.* "Isolation And The Structure Elucidation Of The Budmunchiamines, Novel Macrocyclic Alkaloids From *Albizzia amara*." Heterocycles 32 10: 1961-1967 (1991).
- Pongboonrod, S. in Maitet Meaung Thai, pp. 213-214, Kasembanakij Press, Bangkok. 1971.
- Porter, J.W. and Spurgeon, S.E. Biosynthesis of Isoprenoid Compounds. Vol. I. pp. 446-473, JohnWiley and Sons, New York, 1981.
- Raffauf, Robert Francis. in A Handbook of Alkaloids and Alkaloid-Containing Plants, Philadelphia, New York, 1970.
- Ramachandra Raw, L. and Reddy Sastry, C.V. "Isolation of (+)-penta-O-methyldihydromelanoxetin from *Albizzia odoratissima*." Tetrahedron 19(9), (1963) : 1371-1376.
- Ray, Ak. and Ray, S. "Triterpenoid Sapogenins From The Seeds Of *Albizzia procera*." Sci Cult 29 : 161- (1963).
- Rayudu, G.V.N. and Rajadurai, S. "Occurrence of D-Catechin and A (+)-Leucocyanidin in (Bark of) *Albizzia lebbeck*." Chem. Abstr. 62:10823b,1965.
- Rayudu, G.V.N. and Rajadurai, S. "Occurrence of a New Flavandiol "Lebbecacidin" and Melacacidin in the Heartwood of *Albizzia lebbeck*." Chem. Abstr. 64:2045g,1966.

- Reddy Sastry, C.V.; Row Rukmini, C. and Ramachandra, L. "Chemistry of Saponines III Isolation of a New Flavonol Glycoside 4'-O-methylquercetin-3-rutinoside from *Albizia amara*." Indian J. Chem. 5(12), (1967) : 613-615.
- Reinbothe, H. "The Synthesis of Albizziine in *Albizia lophantha*." Flora (Yena) 152 (1962):545-554.
- Rendle, A.B. The Classification of Flowering Plants. Vol. II. 2 nd. ed, pp. 168-170, University Press, Cambridge, 1953.
- Richards, J.H. and Hendrickson, J.B. The Biosynthesis of Steroids, Terpenes and Acetogenin pp. 266-288, W.A. Benjamin INC, New York, 1964.
- Roy, S. and Roy, A. "Constitution Of Proceragenin A-A Triterpenoid Sapogenin From *Albizzia procera*." Tetrahedron Lett 1966 : 5743- (1966).
- Roy,S. and Roy, Sk. "Chemical Investigation Of The Seeds Of *Albizzia procera*." Experientia 23 : 182-183 (1967).
- Rudrappa, T. and Revadi, Ss. "Fatty acid composition of *Albizia lebeck* Benth. and *A. odoratissima* Benth. seed oils." Indian J For. (1991) 14(2):154.
- Sasorith, Souvan K. "Some Madicinal Plant of Laos, *Cyclea barbata* and *Titiacora triandra*." Chem. Abstr. 70:54877e, 1969.
- Satter, Rl. ; Applewhite, Pb. and Galston, Aw. "Phytochrome-Controlled Nyctinasty In *Albizzia julibrissin*. V. Evidence Against Acetylcholine Participation." Plant Physiol 50 : 523- (1972).
- Schaller, G. and Schidknecht, H. "Flavins And Chinamoyl Derivatives In Relation To The Light-Induced Leaf Opening In *Albizia julibrissin*." J Prakt Chem 334 4: 317-326 (1992).
- Schoppa, Thomas and Pachaly, Peter "Constituents of *Albizia zygia*." Chem. Abstr. 94:99796q, 1981.

- Sergienko, Tv. ; Mogilevtseva, Tb. and Chirva, Vy. "A Chemical Study Of The Beans Of *Albizzia Julibrissin*." Chem Nat Comp 13 5: 592-. (1977).
- Seo, S., Tomita, Y. and Tori, K. "Biosynthesis of Urene Type Triterpense from Sodium [1,2 - ¹³C] Acetate in Tissue Culture of *Isodon japonicus* Hara and Reassignments of ¹³C N.m.r. Signals in Urs-12-enes." J.C.S.Chem.Com. (1975) : 954-955.
- Sharma, Dd. ; Chander, S. and Negi, Ss. "Nutritive Value And Toxicity Of Ohi (*Albizzia stipulata*) Tree Leaves." J Res Punjab Agr Univ 6 : 388- (1969).
- Smith, T.A. "Putrescine, Spermidine and Spermine in Higher Plants." Phytochem. 9(1970): 1479-1486.
- Smith, T.A. "The Occurrence, Metabolism and Function of Amine in Plant." Biol. Rev. 46(1971):201-241.
- Smith, T.A. "The Physiology of the Polyamines and Related Compounds." Endeavour 31(1972): 22-28.
- Smith, Ta. "Tryptamine And Related Compounds In Plants.(Review)." Phytochemistry 16 : 171-175 (1977).
- Smitinand, Tem in Thai Plant Names (Botanical names-Vernacular Names) Royal Forest Department, Bangkok, 1980.
- Sprague, J.B. "Measurement of Pollutant Toxicity to Fish III. Sublethal Effects and Safe Concentrations." Water Research. 5 (1971) : 245-266.
- Stumpf, P.K. and Conn., E.E. The Biochemistry of Plants. Vol. IV. pp. 400-402, Academic Press, New York, 1980.
- Tabor, Herbert and Tabor, Cella W. "Spermidine, Spermine and Related Amines." Pharmacol. Rev. 16 (1964): 245-300.

- Tabor, Herbert; Tabor, Cell W. and Rosenthal, Sanford M. "The Biochemistry of the Polyamines: Spermidine and Spermine." Ann. Rev. Biol. 30 (1961) : 579-604.
- Tovivich, Phichai; Woo, W.S. and Chamsuksai, Parapaipit "Flavonoid and Steroid Constituent in Stem Bark of *Albizia julibrissin*." Chem. Abstr. 97:36145 t,1982.
- Tripathi, V.J. and Dasgupta, B. "neutral Constituents of *Albizia lebbeck*." Curr. Sci. 43(2),(1974):46-47.
- Tschesche, R. and Forstmann, D. "On Triterpenes. Iv. Musennin, An Antihelminthic Saponin From The Bark Of *Albizzia anthelmintica*." Chem Ber 90 : 2383- (1957).
- Tschesche, R. and Kammerer, Fj. "On Triterpenes.Xxvii. The Structure Of Musennin And Deglucomusennin." Justus Liebigs Ann Chem 1969 : 183-193 (1969).
- Varshney, Ip. and Khan, Msy. " Saponins And Sapogenins.Vii.Acid Sapogenins Isolated From Maharashtrian *Albizzia odoratissima* Seeds.", J Pharm Sci 50 : 923- (1961).
- Varshney, Ip. and Khan, Sy. "Saponins And Sapogenins: Xii. Isolation Of doratissimin, A New Saponin From The Seeds Of *Albizzia odoratissima*." J Sci Ind Res- B 21 : 30- (1962).
- Varshney, Ip. ; Bhatnagar, Sp. and Logani, Mk. "Saponins And Sapogenins.Xxxi.The Study Of The Barks Of *Albizia amara*, *A. procera*, *Ficus religiosa* And The Leaves And Stems Of *Calotropis procera*." Indian J Pharmacy 27 : 232- (1965).

- Varshney, Ip. and Kahn, Msy. "Saponins And Sapogenins. Xxvi. The Second Sapogenins Of Mahsrashtrian *Albizzia odoratissima* Seeds." Bull Chem Soc Japan 38 : 1214- (1965).
- Varshney, Ip. "Saponins And Sapogenins. Xxx. Structure Of Proceric Acid." Bull Nat Inst Sci India 1968 37: 95- (1968).
- Varshney, Ip. and Sharma, Sc. "Chemical Investigation Of The *Albizzia lebbek* Leaves And *Albizzia lucida* Seeds And Bark.." Indian J Appl Chem 32 : 73- (1969).
- Varshney, Ip. and Badhwar, G. "Some Observations On The Structure And Conformation Of Echinocystic Acid, Machaerinic Acid, Proceric Acid, Acacic Acid And Sapogenin B (Coriaceolide B)." Planta Med 22 : 47-53 (1972).
- Varshney, I.P.; Handa , Geeta; Srivastava, H.C. and Kirshnamurthy, T.N. "Partial Structure of Proceranin a New Saponin from the Seeds of *Albizia procera*." Indian J. Chem. 11(11), (1973):1189-1190.
- Varshney, I.P. "Lebbekanin C, a New Saponin from *Albizia lebeck* Pods" Planta Med. 24(2), (1973) : 183-189.
- Varshney, I.P.; Handa, Geeta; Srivastava, H.C. and Kirshnamurthy, T.N." Partial Structure of Lebbekanin A, a New Saponin from the Seeds of *Albizia lebeck*." Indian J.Chem. 11(11), (1973): 1094-1096.
- Varshney, I.P. ; Pal, Raj and Vyas, Pramod "Studies on Lebbekanin E, a New Saponin from *Albizia lebeck*." J. Indian Chem.Soc. 53(8),(1976): 859-860.
- Varshney, I.P. and Jain, D.C. "Glycosides from the Flowers of *Albizia lebeck*." Indian J. Chem. 16B(12), (1978) : 1131-1132.
- Varshney, Ip. ; Vyas, P. and Beg, Mfa. "Fatty Acid Composition Of Five Saponins-Containing Seed Oils." J Oil Technol Ass India 12 : 20-21 (1980).

- Virtanen, Ai. and Kari, S. "4-Hydroxypiperidine-2-Carboxylic Acid In Green Plants."
Acta Chem Scand 9 : 170- (1955).
- Watt, Jm. and Breyer-Brandwijk, Mg. "The Medicinal And Poisonous Plants Of
Southern And Eastern Africa. 2nd Ed, E.+S. Livingstone,Ltd.,London."
Book : - (1962).
- Willaman, Jj. and Schubert, Bg. "Alkaloid Bearing Plants And Their Contained
Alkaloids." Ars, Usda, Tech Bull 1234, Supt Documents, Govt Print Off,
Washington Dc, 1961 : - (1961).
- Woo, Won Sick and Kong, Sam. "Isolation of a New Monoterpene Conjugated
Triterpenoid from the Stem Bark of *Albizia julibrissin*." J. Nat. Prod. 47(3),
(1984) : 547-549.
- Woo, Ws. "Phytochemical Study On The Stembark Of *Albizia Julibrissin*."
Korean J Pharmacog 16 1: 39-. (1985).
- Yatagai, Mitsuyoshi; Sakurai, Kaichi and Pakahashi, Toshio. "Extracts from the
Wood of *Albizia falcata* (L.) Back and *Syzugium sp.* (Water green)."
Chem. Abstr. 89:91282v,1978.
- You, Young Hyo; Woo, Won Sick; Choi, Joe Sue and Kang Sam Sik. "Isolation of
a New Sapogenin from *Albizia julibrissin*." Arch. Pharmacol Res. 5(2),(1982)
: 33-38.

APPENDIX

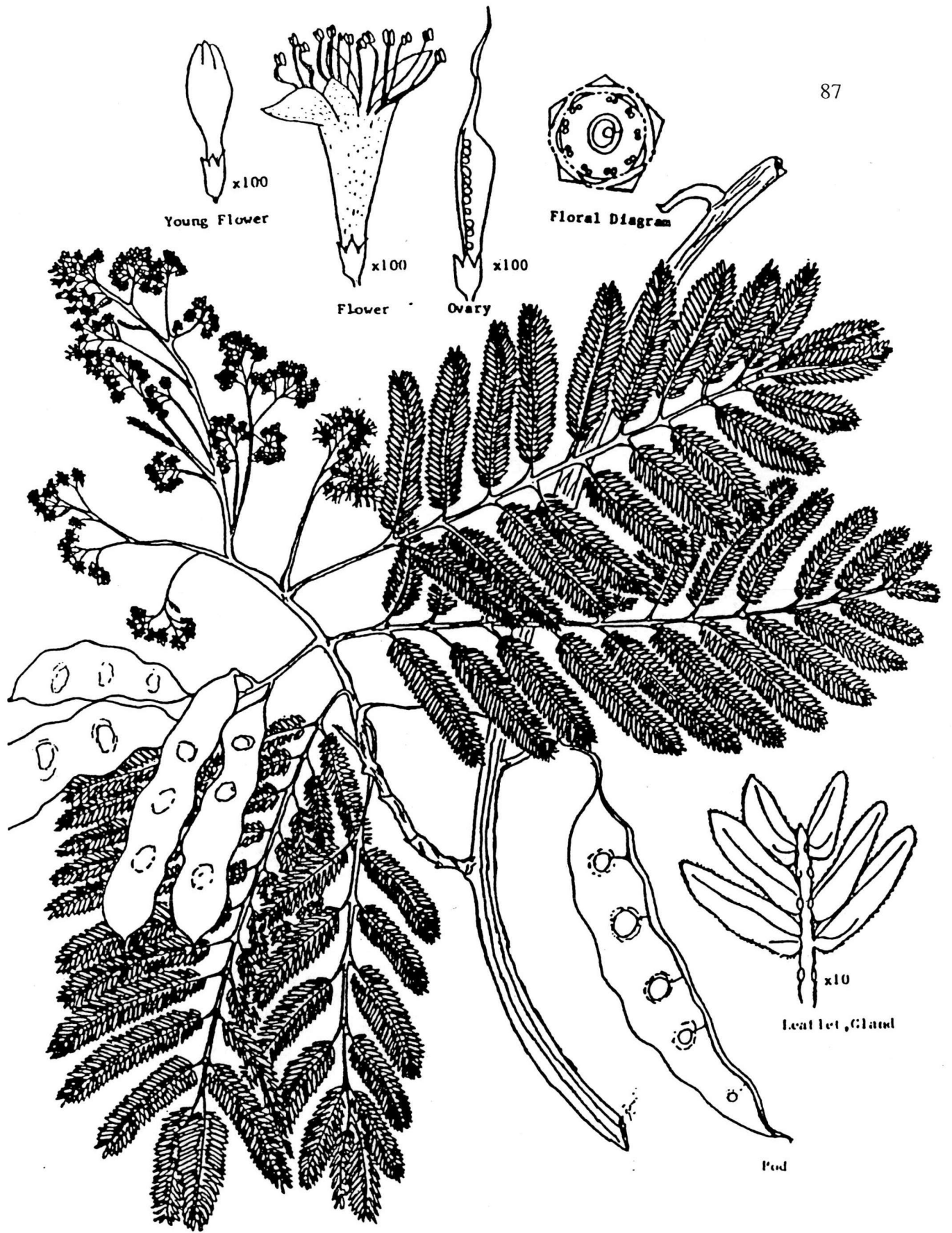


Figure 8 *Albizia myriophylla* Benth. (ชะเอมป่า)

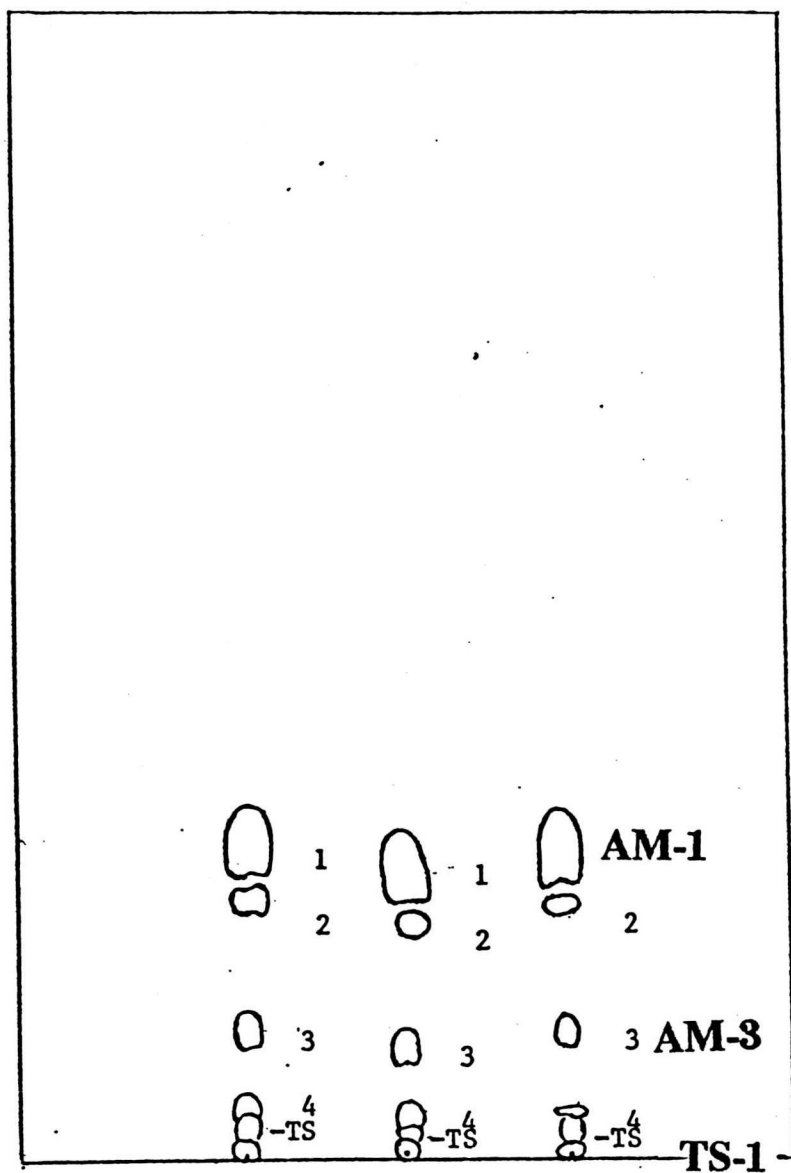


Figure 9 Thin layer chromatogram of crude extracts AM-1 - AM- 4 were positive with Dragendorff's spray reagent as alkaloid. TS-1 was positive with Liebermann-Burchard's reagent as triterpenoid saponin.

AM-1

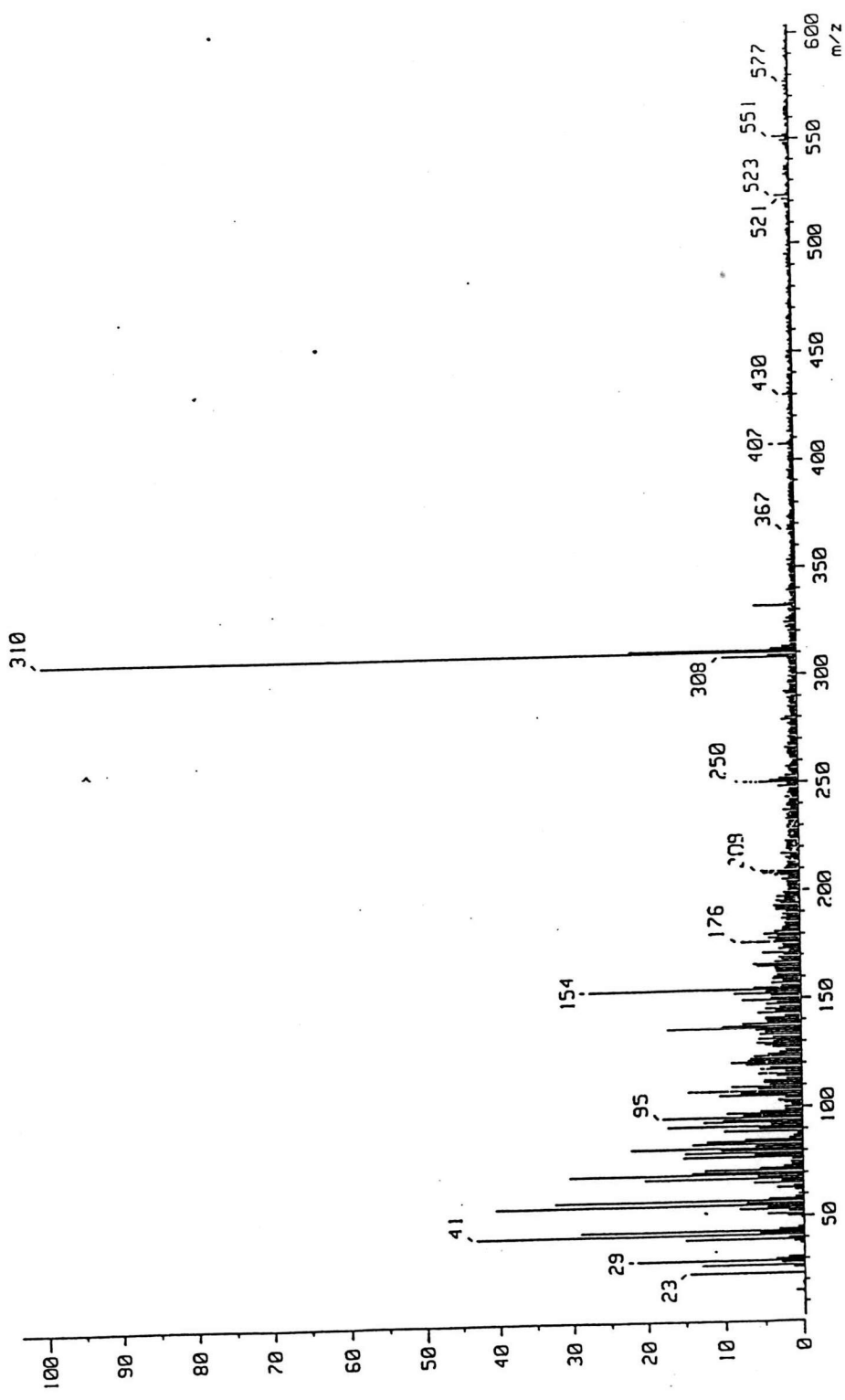


Figure 10 FAB mass spectrum of AM-1

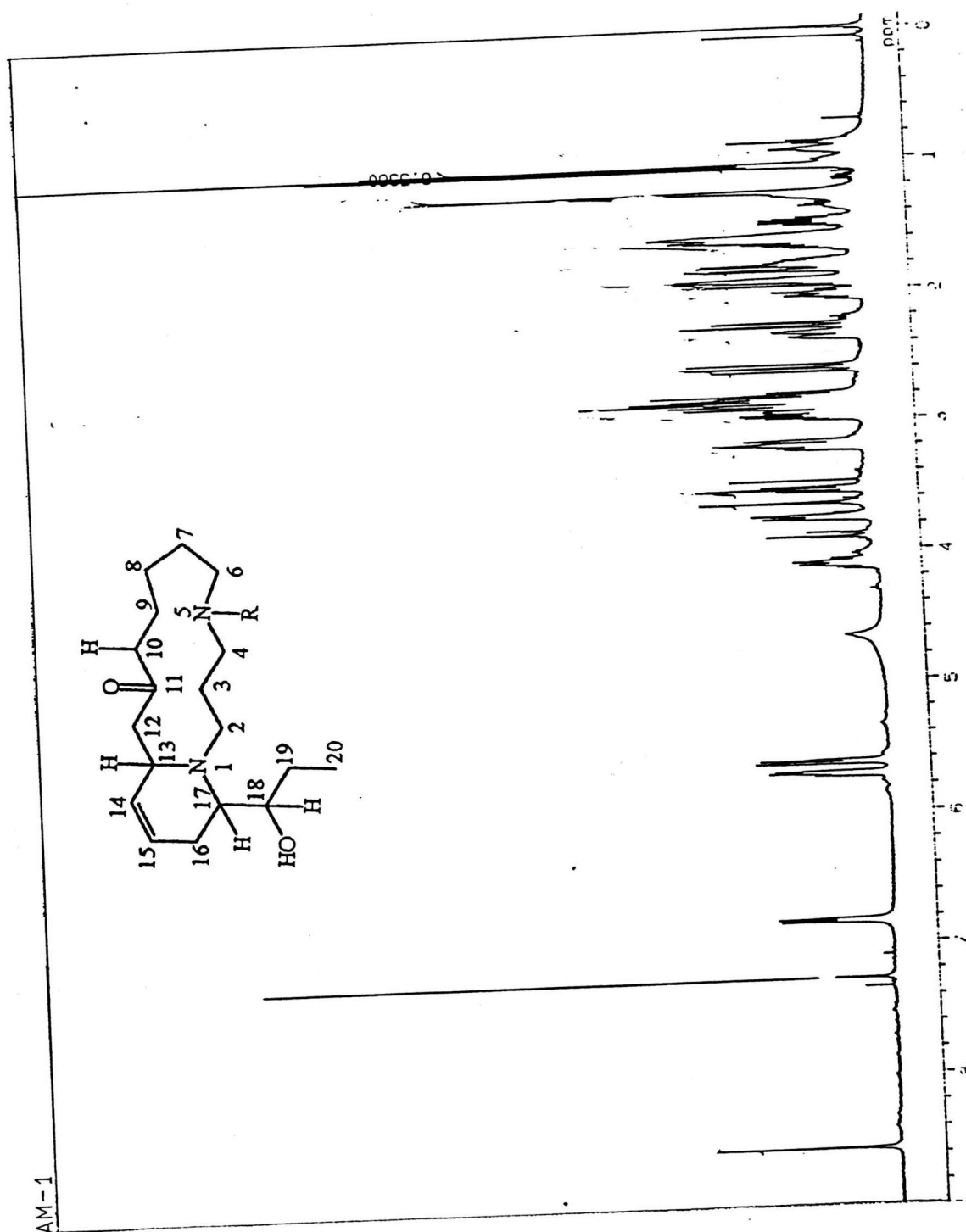


Figure 11 Proton nuclear magnetic resonance spectrum of AM-1 in deuterated chloroform

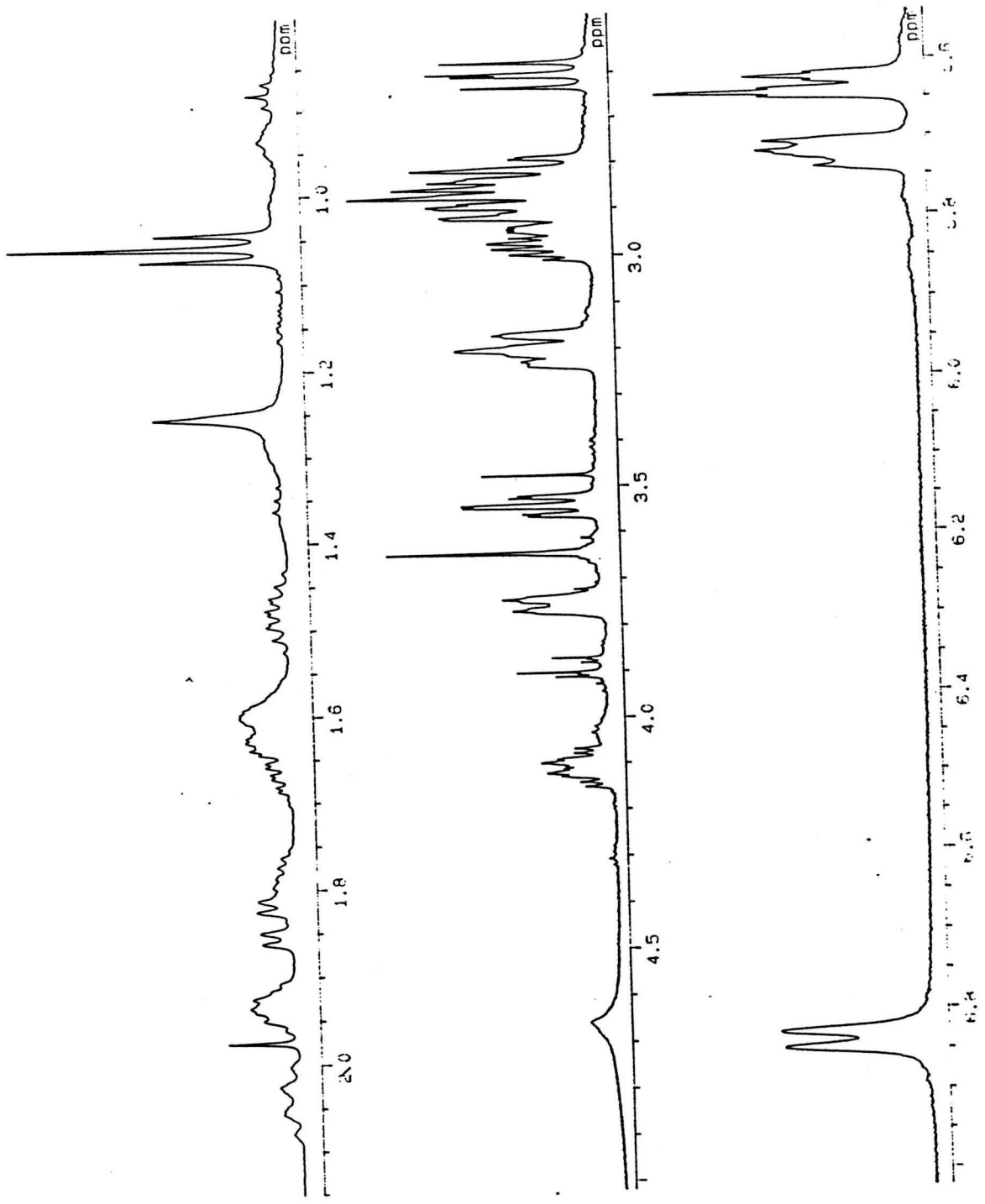


Figure 12 Expansion of proton nuclear magnetic resonance of AM-1

AM-3

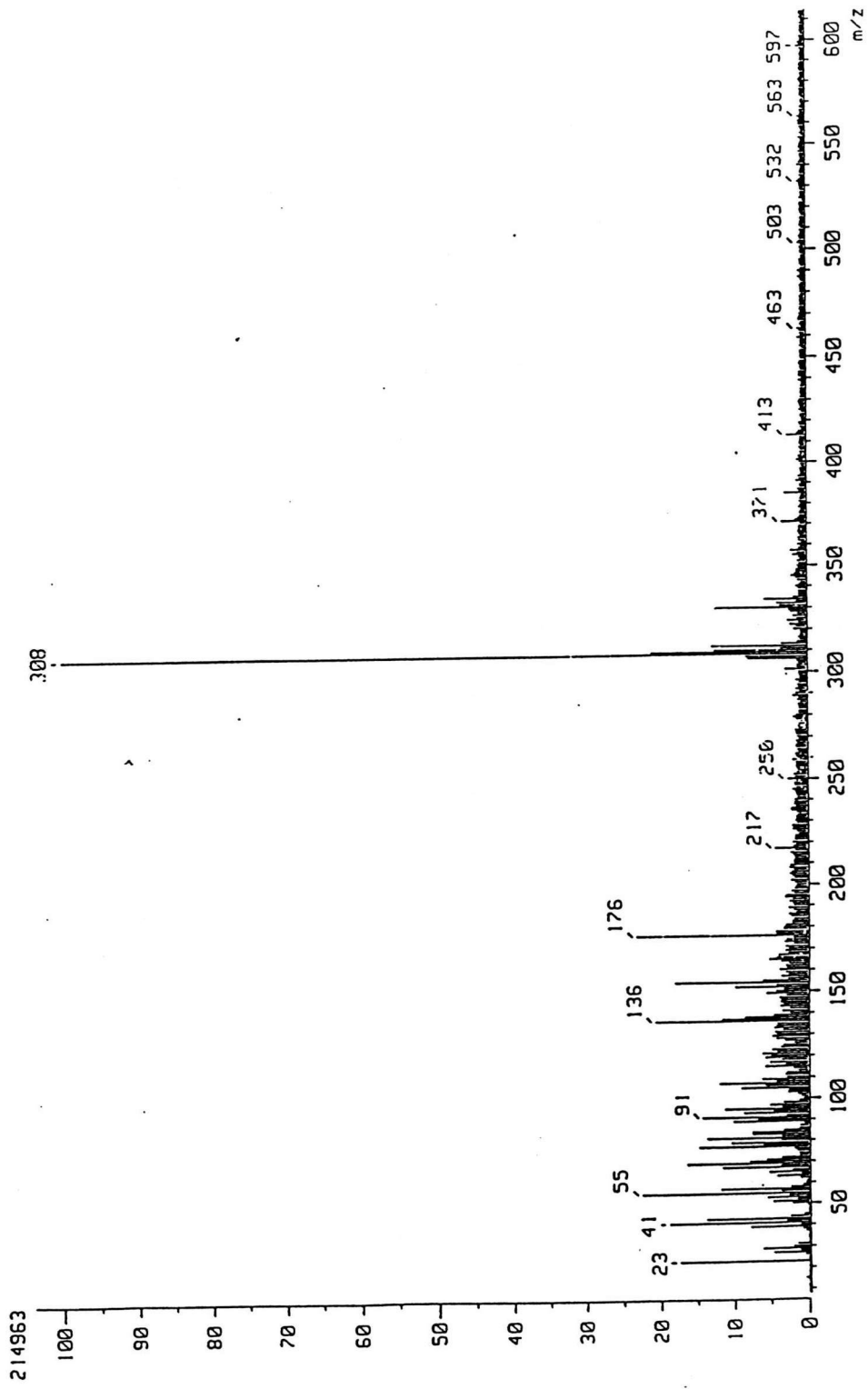


Figure 18 FAB mass spectrum of AM-3

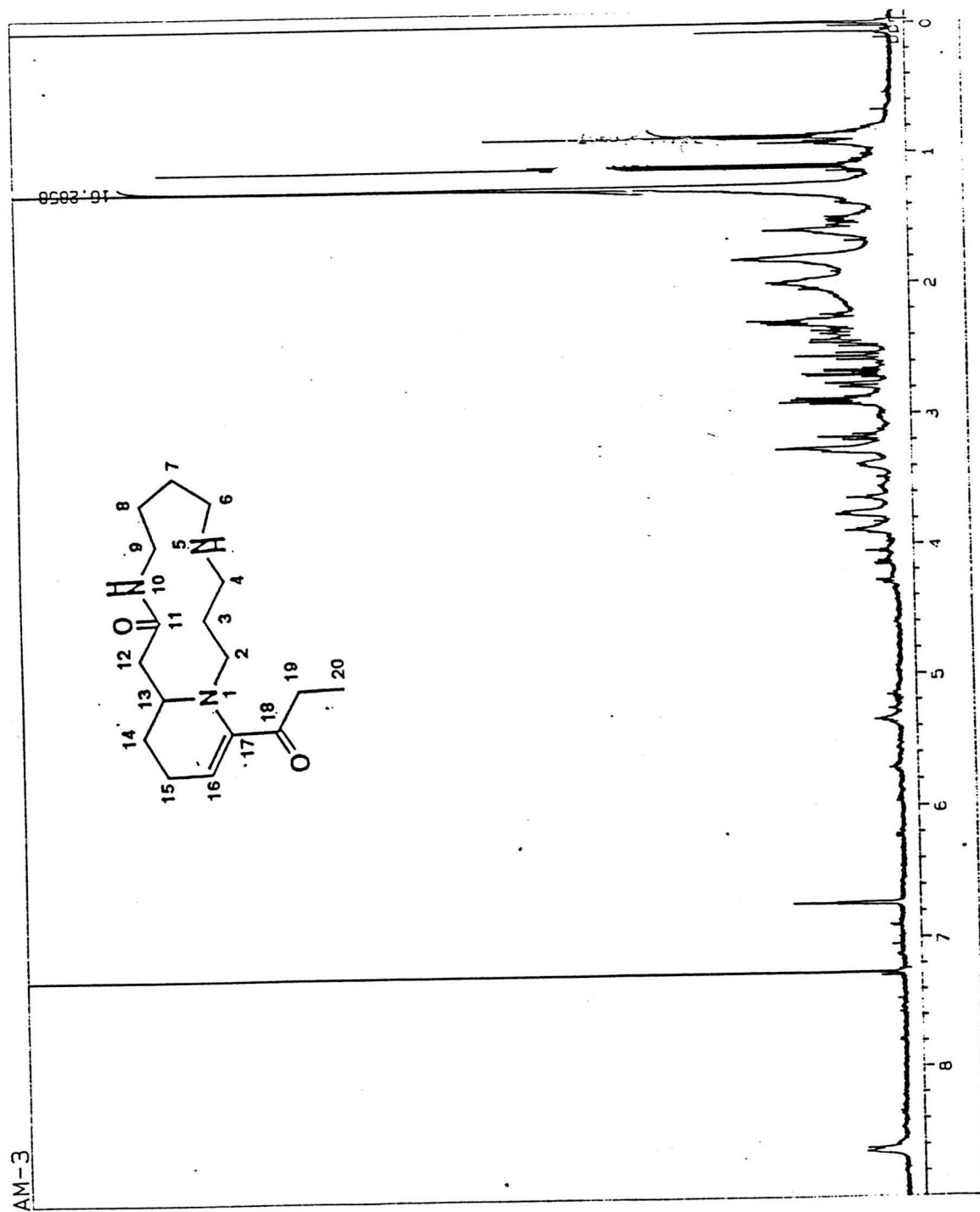


Figure 14 Proton nuclear magnetic resonance spectrum of AM-3 in deuterated chloroform

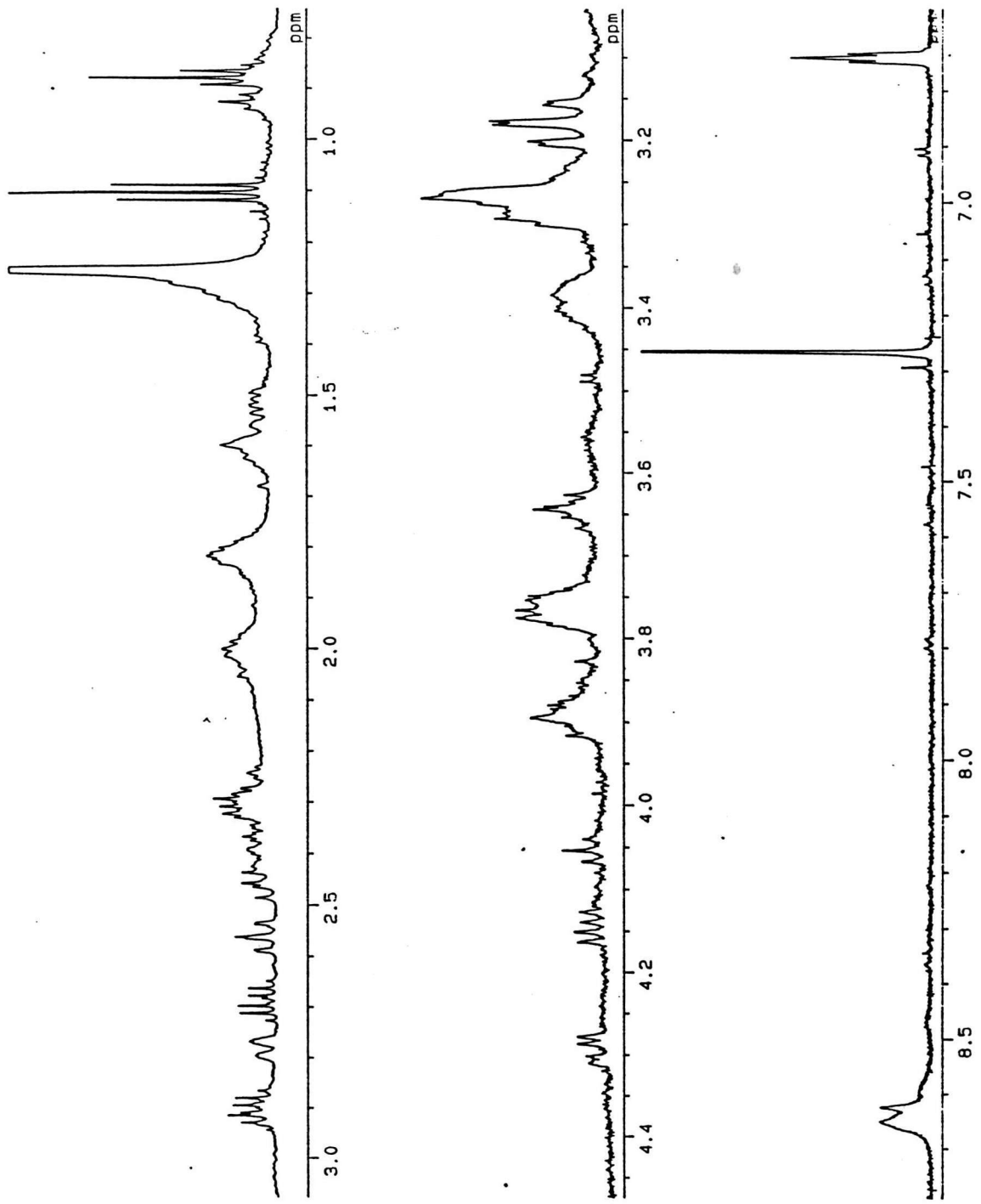


Figure 15 Expansion of proton nuclear magnetic resonance of AM-3

TS-1

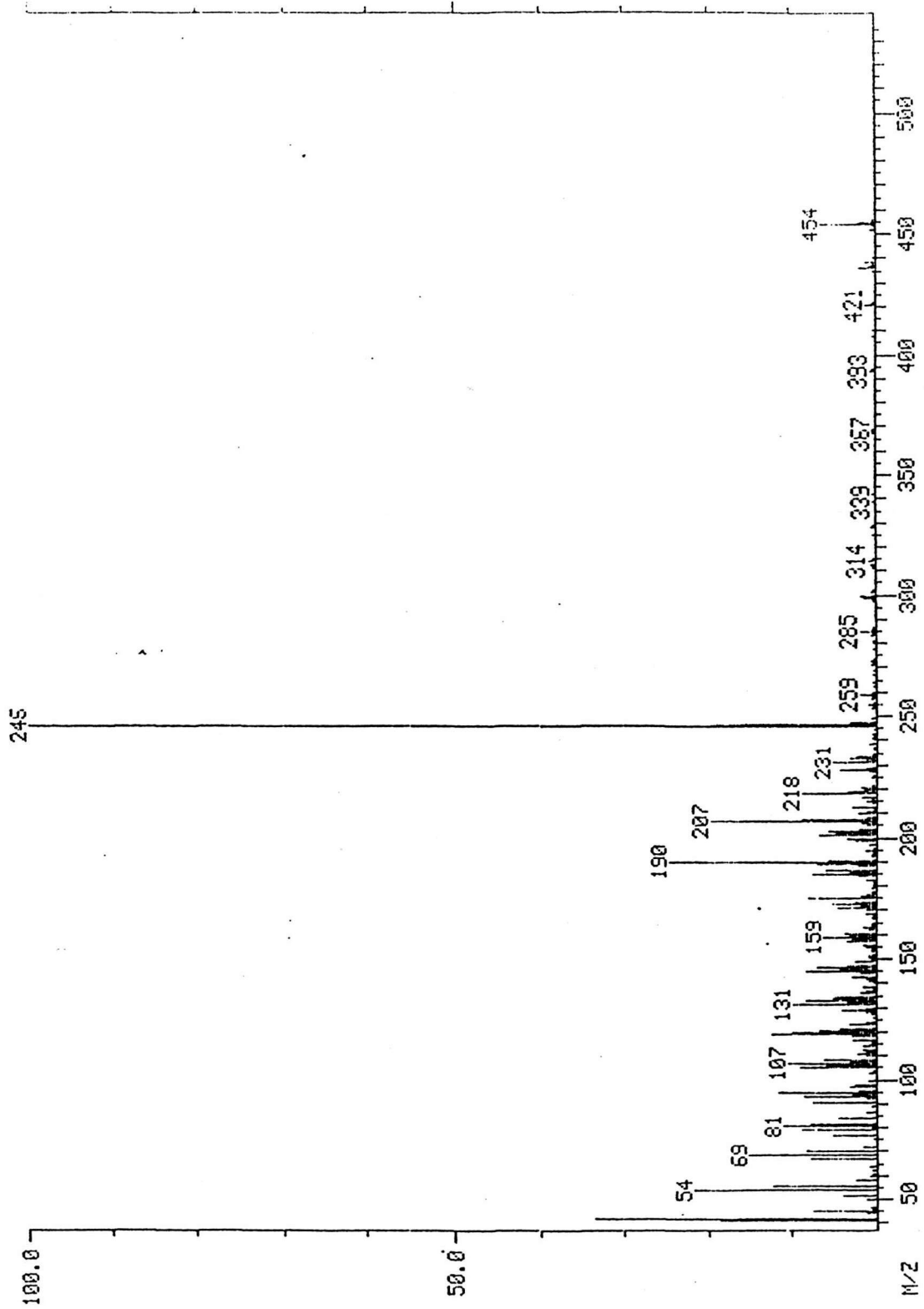


Figure 16 FAB mass spectrum of TS-1

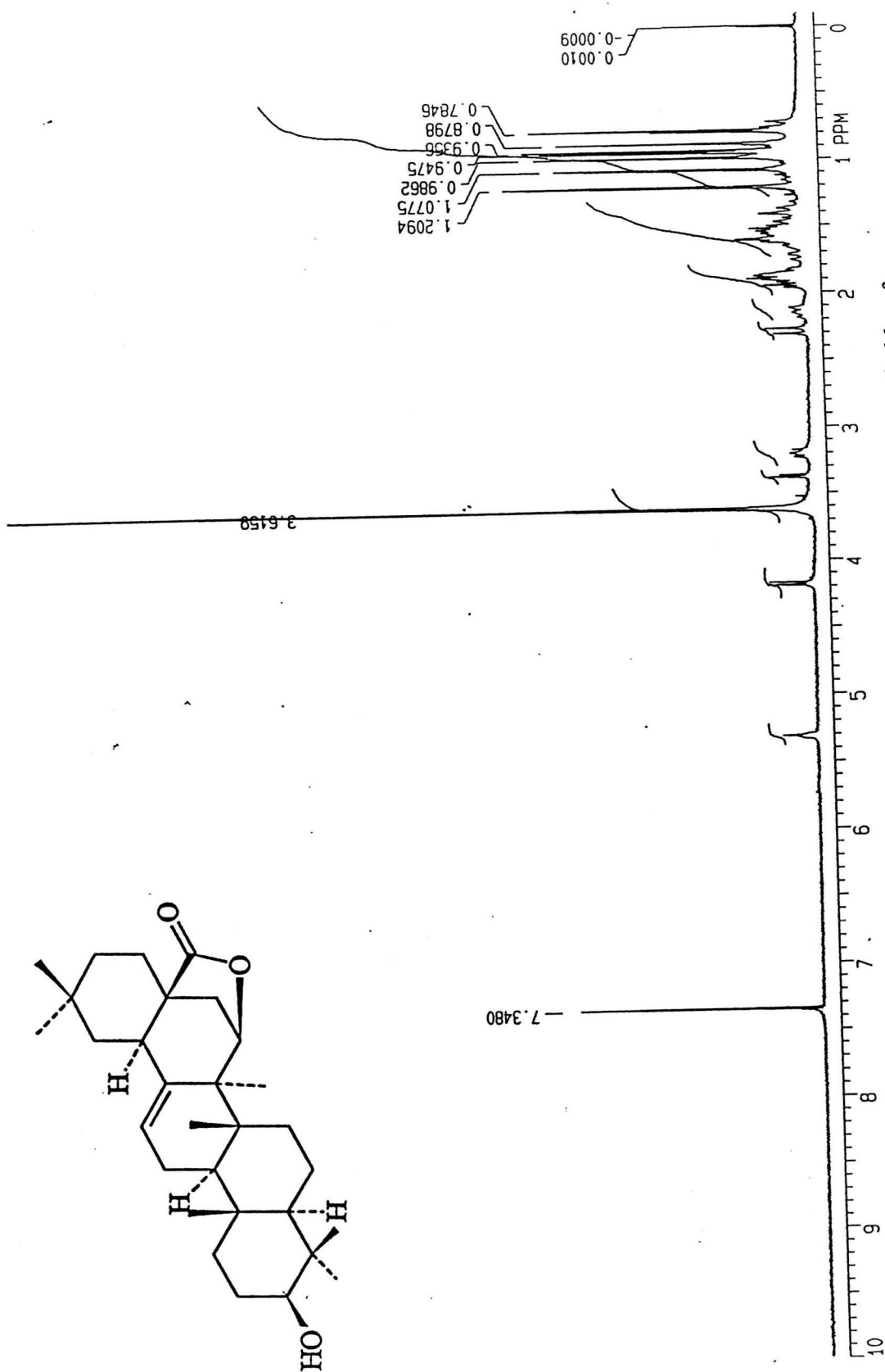


Figure 17 Proton nuclear magnetic resonance spectrum of TS-1 in deuterated chloroform and 10% deuterated methanol

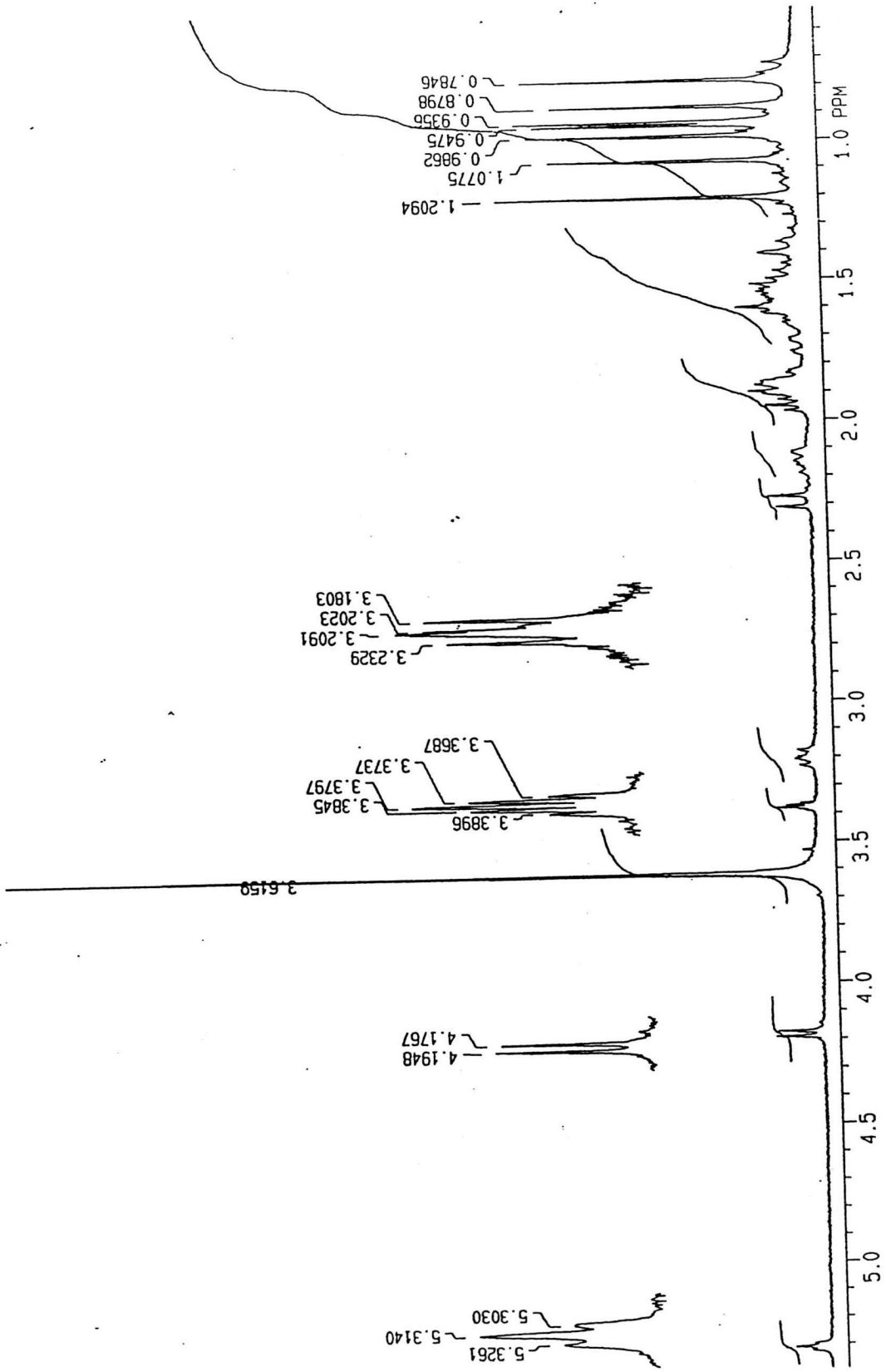


Figure 18 Expansion of proton nuclear magnetic resonance of TS-1

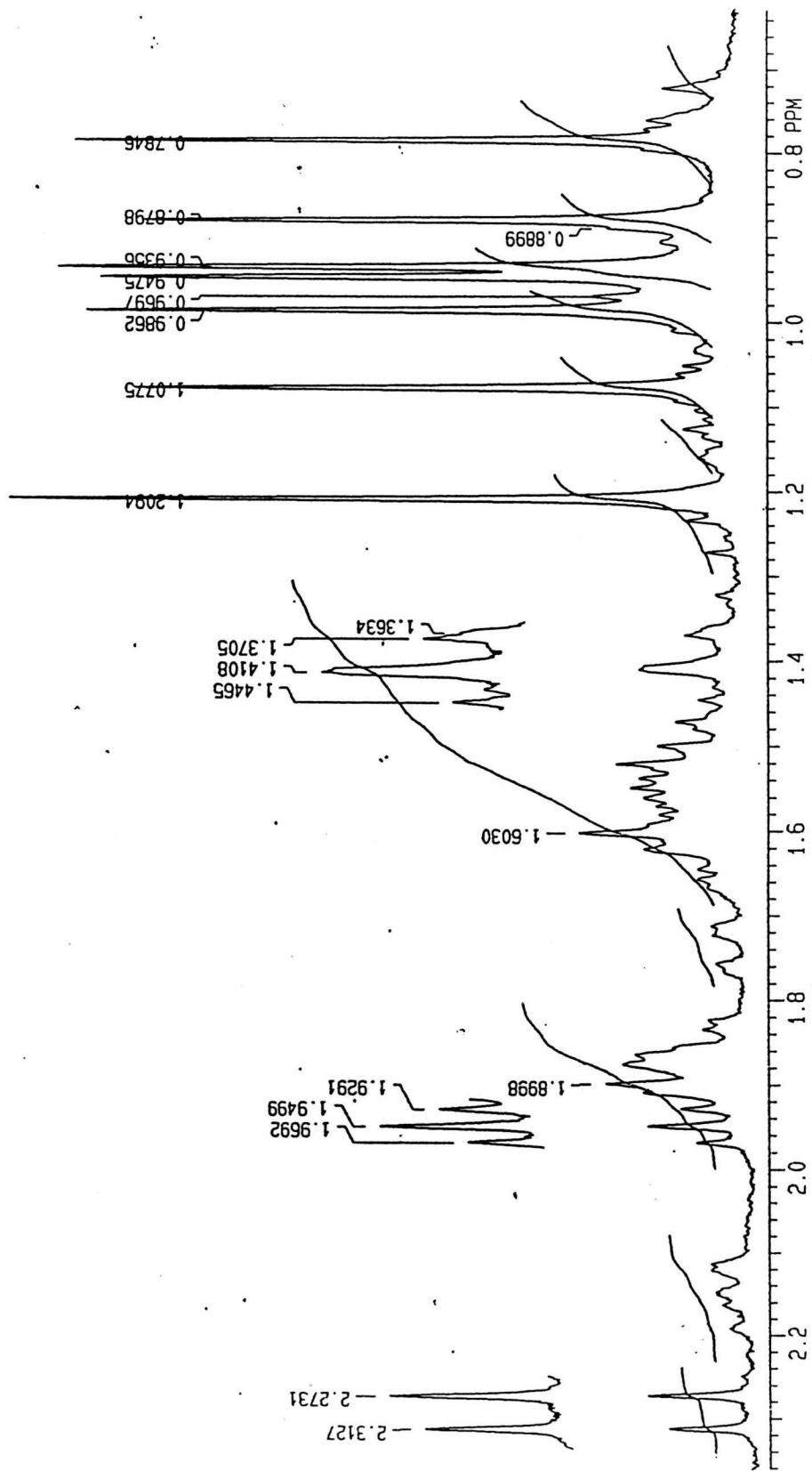


Figure 19 Expansion of proton nuclear magnetic resonance of TS-1

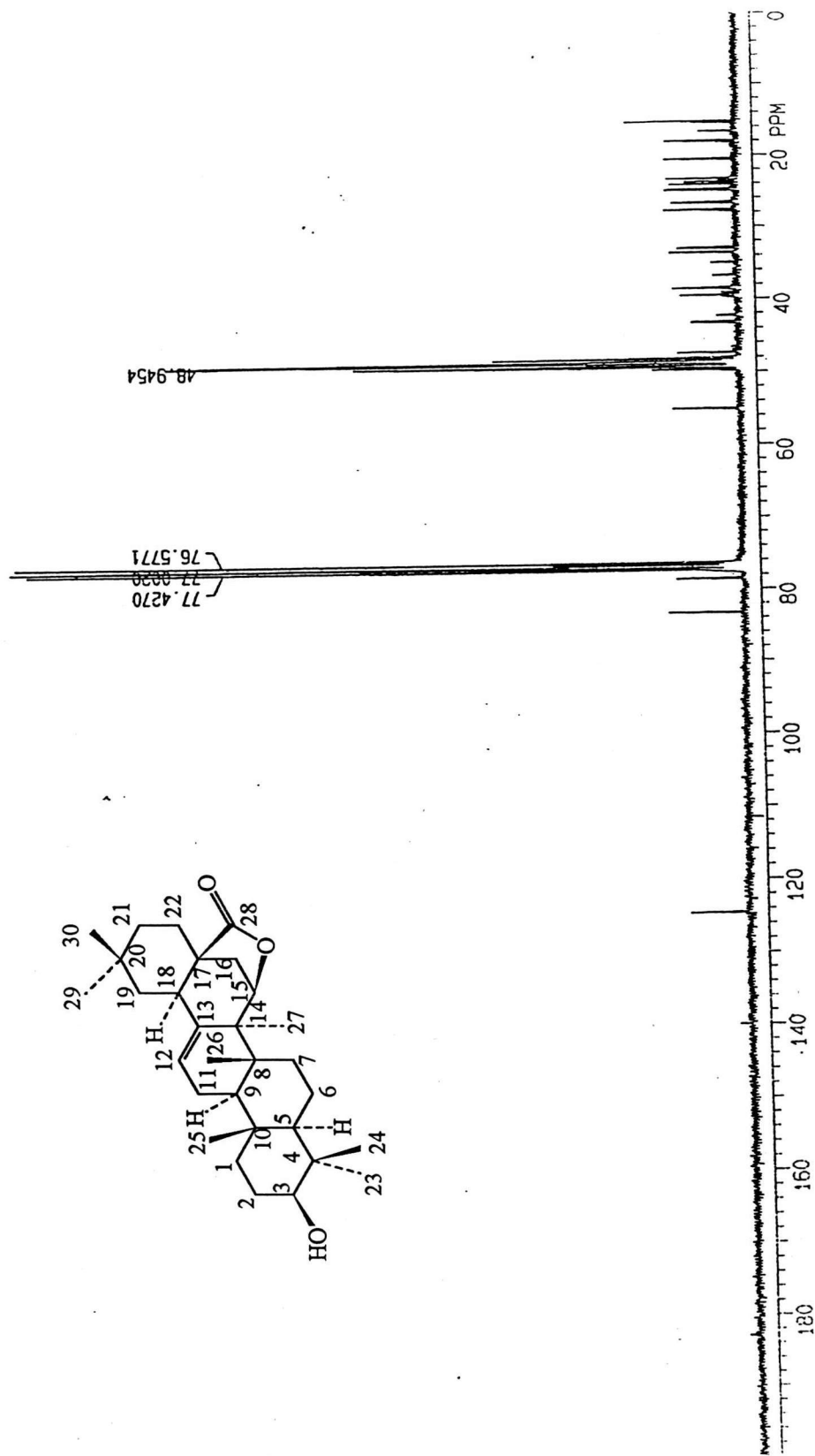


Figure 20 Carbon-13 nuclear magnetic resonance spectrum of TS-1 in deuterated chloroform

and 10% deuterated methanol

TS-1

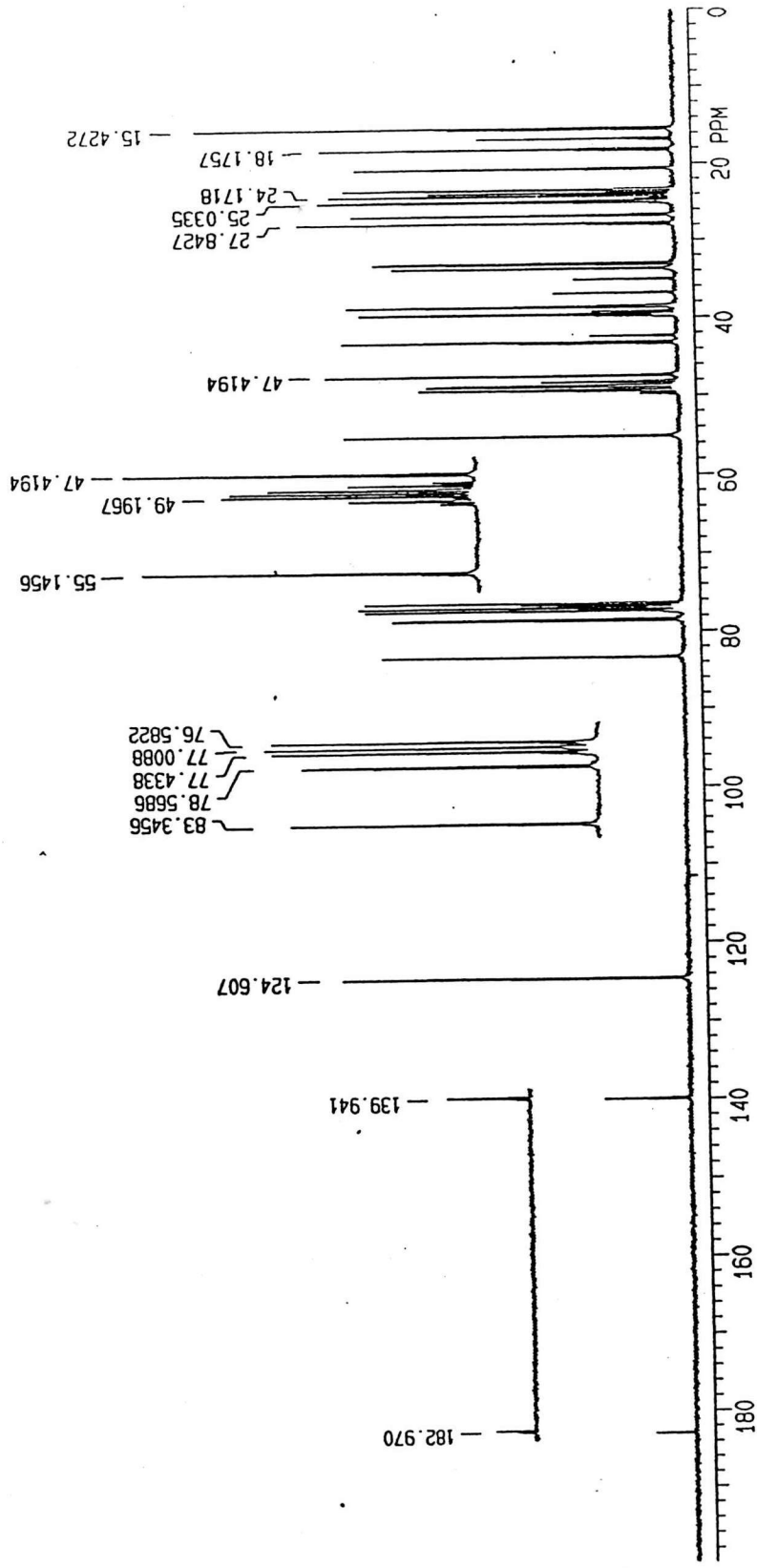
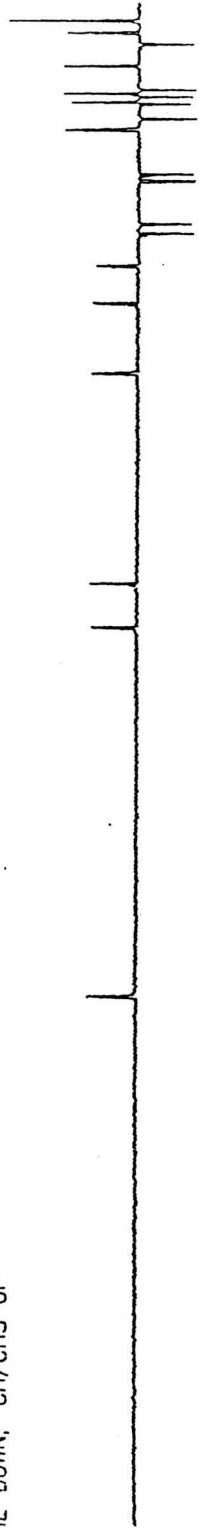


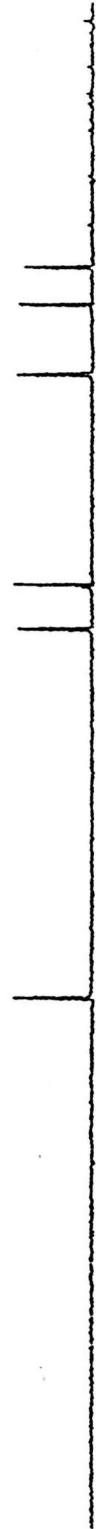
Figure 21 Expansion of carbon-13 nuclear magnetic resonance of TS-1

TS-1

CH₂ DOWN, CH/CH₃ UP



CH CARBONS



ALL PROTONATED CARBONS

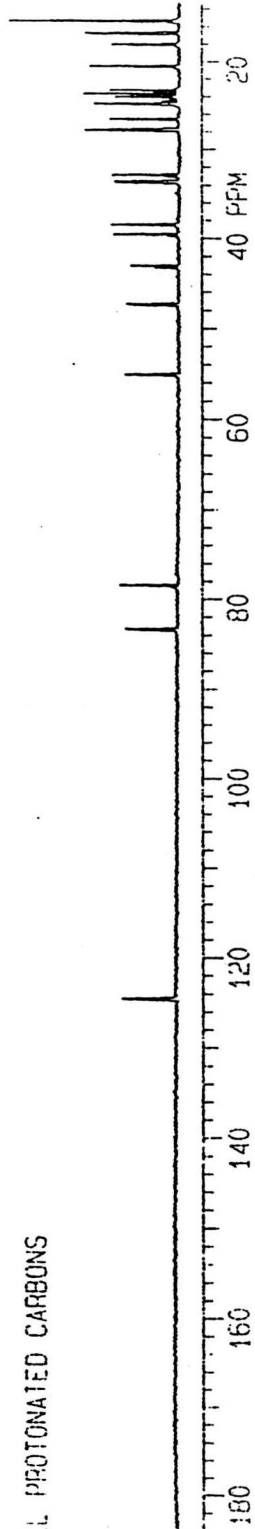


Figure 22 The DEPT spectra of TS-1

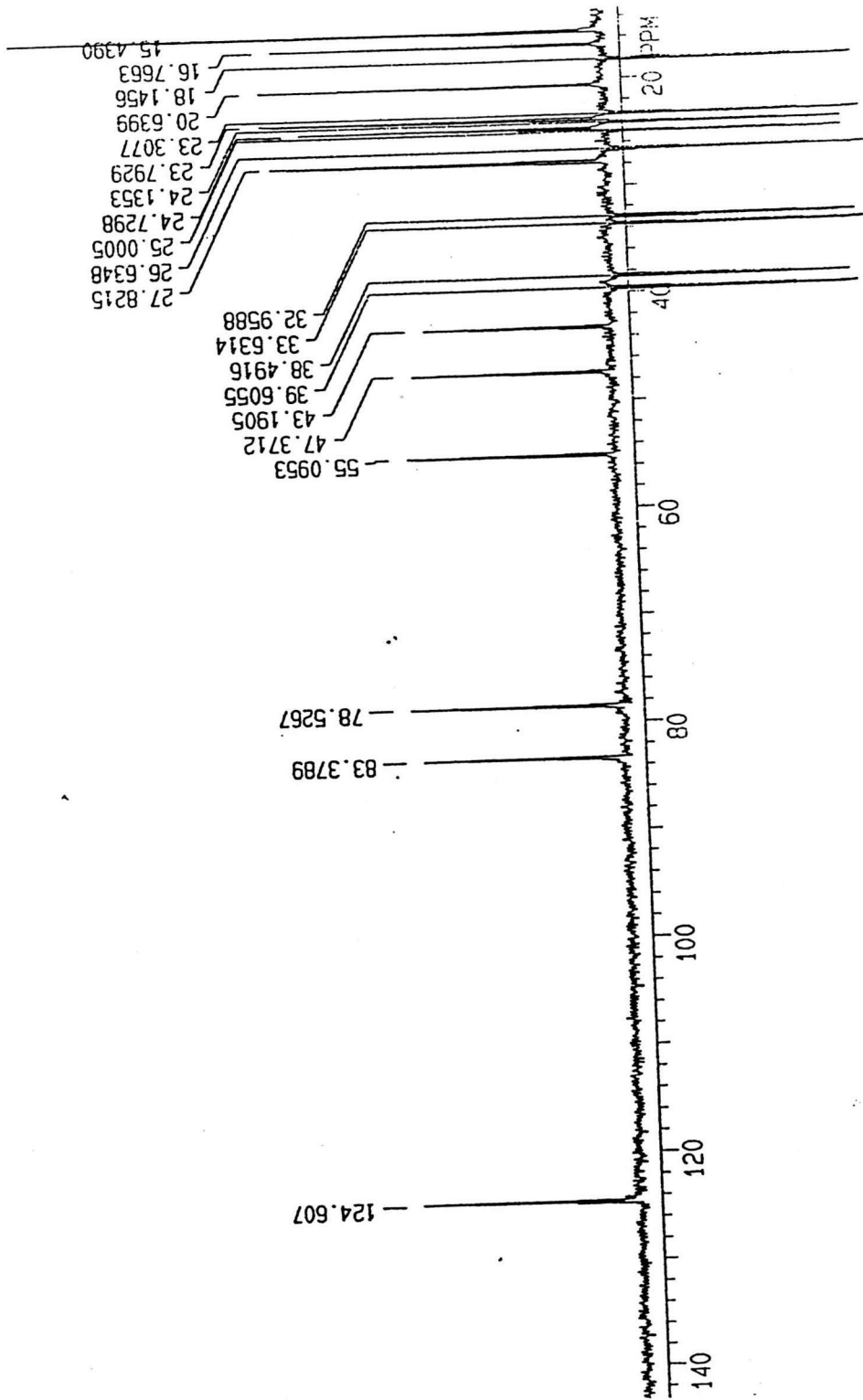


Figure 23 Expansion of DEPT spectra of TS-1

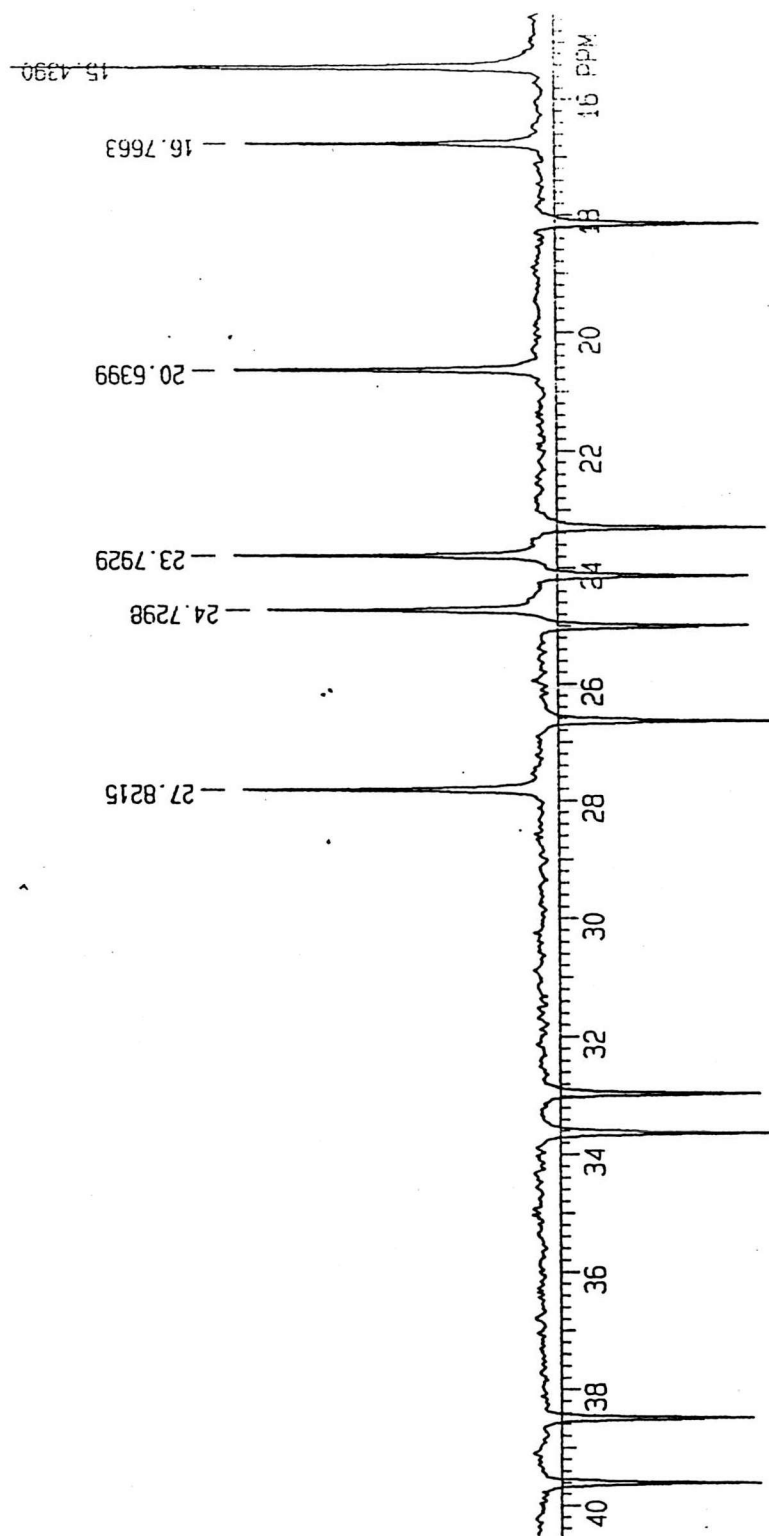


Figure 24 Expansion of DEPT spectra of TS-1

VITA

Mr. Sirichok P.Janupiboon was born on December 16,1968 in Bangkok , Thailand. He received his Bachelor of Science in Pharmacy in 1993 from the Faculty of Pharmaceutical Sciences, Chulalongkorn University. Now he is a pharmacist at Nakorn Patana Pharm Co.,Ltd. Bangkok , Thailand.