

參考文獻:

1. L. A. Mitscher, T. Suzuki and G. Clark, Total synthesis of 2,4-dioxy-quinoline alkaloids. *Heterocycles*, **5**, 565-604 (1976).
2. W. Zhao, J. L. Wolfender, K. Hostettmann, R. Xu and G. Qin, Antifungal alkaloids and limonoid derivatives from *Dictamnus dasycarpus*. *Phytochemistry*, **47 (1)**, 7-11 (1998).
3. S. M. Yu, F. N. Ko, M. J. Su, T. S. Wu, M.L. Wang, T.F. Huang and C.M. Teng, Vaasorelaxing effect in rat thoracic aorta caused by fraxinellon and dictamnine isolated from the Chinese herb *Dictamnus dasycarpus* Turcz: comparison with cromakalim and Ca⁺² channel blockers. *Naunyn-Schmiedeberg's Arch. Pharmacol.*, **345**, 349-355 (1992).
4. K.S. Chen, Y.L. Chang, C.M. Teng, C.F. Chen and Y.C. Wu, Furoquinolines with antiplatelet aggregation activity from leaves of *Melicope confusa*. *Planta Medica*, **66**, 80-81 (2000).
5. J. T. Cheng, T. K. Chang, and I. S. Chen, Skimmianine and related furoquinolines function as antagonists of 5-hydroxytryptamine receptors in animals. *J. Auto. Pharmacol.*, **14**, 365-374 (1994)
6. F.N. Lahey and M. McCamish, Acrophylline and Acrophyllidine. Two new alkaloids from *Acronychia haplophylla*. *Tetrahedron Letters*, **12**, 1525-1527 (1968).
7. M. Sakar, S. Kundu and D.P. Chakraborty, Glycarpine, a new alkaloid from *Glycosmis cyanocarpa*. *Phytochemistry*, **17**, 2145-2146 (1978).
8. R. Storer and D.W. Young, Constituents of the root of *Dictamnus albus* L. *Tetrahedron*, **29**, 1217-1222 (1973).
9. N. Mohr, H. Budzikiewicz, B.A.H. El-Tawil and F.K.A. El-Beih, Further furoquinolone alkaloids from *Ruta chalepensis*. *Phytochemistry*, **21 (7)**, 1838-1839 (1982).
10. G.J. Chang, M.H. Wu, W.P. Chen, S.C. Kuo and M.J. Su, Electrophysiological characteristics of antiarrhythmic potential of acrophyllidine, a furoquinoline alkaloid isolated from *Acronychia halophylla*. *Drug development research*, **50**, 170-185 (2000).

11. A. C. Huang, T. P. Lin, S. C. Kuo and J. P. Wang, The antiallergic activities of synthetic acrophylline and acrophyllidine, *J.Nat. Prod.*, **58**, 117-120 (1995).
12. W.S. Woo, E.B. Lee, S.S. Kang, K.H. Shin and H.J. Chi, Antifertility principle of *Dictamnus albus* root bark, *Planta Medica*, **53** (5), 399-401 (1987).
13. T.R. Govindachari, S. Prabhakar, V.N. Ramachandran, and B.R. Pai. Synthetic of Medicosmine, *Indian J. Chem.* **9**, 1031-1041 (1971).
14. N.S. Narasimhan, M.V. Paradkar and R.H. Alurkar, Synthetic application of lithiation reactions-IV novel synthesis of linear furoquinoline alkaloids and a synthesis of edulitine, *Tetrahedron*, **27**, 1351-1356 (1971).
15. N.S. Narasimhan and R.S. Mall, Synthetic application of lithiation reactions-VI new synthesis of linear furoquinoline alkaloids, *Tetrahedron*, **30**, 4153-4157 (1974).
16. N.S. Narasimhan and R.H. Alurkar, Synthesis of dihydro- γ -fagarine and edulitine, *Chem. Ind.*, 515 (1968).
17. N.S. Narasimhan and M.V. Paradkar, A new synthesis of the furo(2,3-b) quinolines: a synthesis of dictamine, *Chem. Ind.*, 831-2 (1967).
18. J.W. Huffman, S.P. Garg. and J.H. Cecil, The furanoquinoline alkaloids. III. An attempted synthesis of dl-lunacrine and correction of the structure of demethoxylunacrine, *J. Org. Chem.*, **31**, 1276-1279 (1966).
19. J.W. Huffman and J.H. Cecil, Reaction of some acylquinolones with diazomethane, *J. Org. Chem.*, **34**, 2183-2187 (1969).
20. R.M. Bowman and M.F. Grundon, Quinoline alkaloids. IX. A partial asymmetric synthesis of orixine, *J. Chem. Soc. C. Org.*, 1504 (1967).
21. E.A. Clarke and M.F. Grundon, Synthesis of (\pm)-lunacridine and (\pm)-lunacrine, *Chem. Ind.* 556-557 (1962).

22. Y. Kuwayama, Studies on the use of γ -Butyrolactone. VI. A new synthesis of dihydروdictamine, *Chem. Pharm. Bull.*, **9**, 719-722 (1961).
23. J.A. Franciosa, M. Z.Wilen, J. N. S. Cohn, Survival in man with severe chronic left ventricular failure due to either coronary artery disease or idiopathic dilated cardiomyopathy. *Am. J. Cardiol.*, **51**, 831-836 (1983).
24. J. R. Wilson, J. S. Schwartz, M. S. Sutton, Prognosis in severe heart failure, relation to hemodynamic measurement and ventricular ectopicactivity. *J. Am. Coll. Cardiol.*, **2**, 403 (1983).
25. T. Meinertz, T. Hoffmann, W. Kasper, Significance of ventricular arrhythmias in idiopathic dilated cardiomyopathy. *Am. J. Cardiol.*, **53**, 902-907 (1984).
26. C. S. Chakko, M. Gheorghiade, Ventricular arrhythmia in severe heart failure incidence significance and effectiveness of antiarrhythmic therapy. *Am. J. Cardiol.*, **52**, 14 (1985).
27. D. A. Lathrop, A. Varro, A. Schwartz, Rate-dependent electrophysiological effects of OPC-8212, Comparison to Sotalol, *Eur. J. Pharmacol.*, **164**, 487-496 (1989).
28. D. A. Lathrop, P. P. Nasaki, A. Schwartz, A. Varro, Ionic basis for OPC-8212 induced increase in action potential duration in isolated rabbit guinea-pig and humaventricula myocytes, *Eur. J. Pharmacol.*, **240**, 127-137 (1993).
48. M. J. Su, Y. M. Chang, J. F. Chi, S. S. Lee, Thaliporphine, a positive inotropic agent with a negative chrorotropic action, *Eur. J. Pharmacol.*, **254**, 141-150 (1994).
30. J. P. Beregi, P. Escande, N. Coudray, P. Mery, M. Mestre, D. Chamta, Y. Lecarpentier, Positive inotropic effects of RP 62719, a new pure class 3 antiarrhythmic agent, on guinea-pig myocardium, *Eur. J. Pharmacol., Exp. Ther.*, **263**, 1369 (1992).
31. H. P. Baumgartner, R. Muggli, T. B. Tschopp and V. T. Turitto, Platelet adhesion, release and aggregation in flowing blood: effects of surface properties and platelet function, *Thromb. Haemost.*, **35**, 124-138 (1976).

32. M. B. Stemerman, H. R. Baumgartner and T. H. Spaet, The subendothelial microfibril and platelet adhesion, *Lab. Irzvest.*, **24**, 176-186 (1972).
33. C. Malmsten, M. Hamberg, J. Svensson and B. Samuelsson, Physiological role of an endoperoxide in human platelets: hemostatic defect due to cyclooxygenase deficiency, *Pro. Natl. Acad. Sci.*, **72**, 1446-1448 (1975).
34. B.S. Coller, Antiplatelet agents in the prevention and therapy of thrombosis, *Annu. Rev. Med.*, **43**, 1171-1180 (1992).
35. T. Ishizaka, K. Ishizaka and H. Tomioka, Release of histamine and slow reacting substance of anaphylaxis (SRS-A) by IgE-anti-IgE reactions on monkey mast cells, *J. Immunol.*, **108**, 513-520 (1972).
36. K. F. Austen, Biologic implications of structural and functional characteristics of the chemical mediators of immediate type hypersensitivity, *Harvey Lect.*, **73**, 93-161 (1979).
37. G. K. Adams and L. M. Lichtenstein, *In vitro* studies of antigen-induced bronchospasm: effect of antihistamine and SRS-A antagonist on response to sensitized guinea pig and human airways to antigen, *J. Immunol.*, **122**, 555-562 (1979).
38. L. B. Schwartz and K. F. Austen, Structural and function of the chemical mediators of mast cells, *prog. Allergy*, **34**, 271-321 (1984).
39. A. G. Semb, J. Vage and O. D. Mjos, Oxygen free radical producing leukocytes cause functional depression of isolated rat hearts: role of leukotrienes, *J. Mol. Cell. Cardiol.*, **22**, 555-563 (1990).
40. D. Harman and L. H. Piette, Free radical theory of aging: free radical reactions in serum, *J. Gerontol.*, **21**, 560-565 (1966).
41. D. A. Parks and D. N. Granger, Ischemia-induced vascular changes: role of xanthine oxidase and hydroxyl radicals, *Am. J. Physiol.*, **245**, G285-G289 (1983).
42. J. M. McCord, Oxygen-derived free radicals in postischemic tissue injury,

N. Engl. J. Med., **312**, 159-163 (1985).

43. P. R. Kviety, S. M. Smith, M. B. Grisham and E. A. Manaci, 5-Aminosalicylic acid protects against ischemia/reperfusion-induced gastric bleeding in the rat, *Gastroenterology*, **94**, 733-738 (1988).
44. J. M. McCord, Free radicals and inflammation : protection of synovial fluid by superoxide dismutase, *Science*, **185**, 529-531 (1974).
45. R. E. Allen, D. R. Blake, N. B. Nazhat and P. Jones, Superoxide radical generation by inflamed human synovium after hypoxia, *Lancet*, **2**, 282-283 (1989).
46. P. A. Craven, J. Pfanzel, R. Saito and F. R. DeRubertis, Action of sulfasalazine and 5-aminosalicylic acid as reactive oxygen scavengers in the suppression of bile acid-induced increases in colonic epithelial cell loss and proliferative activity, *Gastroenterology*, **92**, 1998-2008 (1987).
47. M. B. Grisham and D. M. Granger, Neutrophil-mediated mucosal injury: Role of reactive oxygen metabolites, *Dig. Dis. Sci.*, **33** (3 Suppl), 6S-15S (1988).
48. G. Weissmann, J. E. Smolen and H. M. Korchak, Release of inflammatory mediators from stimulated neutrophils, *N. Engl. J. Med.*, **303**, 27-34 (1980).
49. M. Davies, A. J. Barrett, J. Travis, E. Sanders and G. A. Coles, The degradation of human glomerular basement membrane with purified lysosomal proteinases: evidence for the pathogenetic role of the polymorphonuclear leukocyte in glomerulonephritis, *Clin. Sci. Mol. Med.*, **54**, 233-240 (1978).
50. H. Menninger, R. Putzier, W. Mohr, D. Weissinghage and K. Tillmann, Granulocyte elastase at the site of cartilage erosion by rheumatoid synovial tissue, *J. Rheumatol.*, **39**, 145-156 (1980).
51. J. Saklatvala and A. J. Barrett, Identification of proteinases in rheumatoid synovium: detection of leukocyte elastase, cathepsin G and another serine

- proteinase, *Biochem. Biophys. Acta.*, **615**, 167-177 (1980).
52. M. Mallat and B. Chamak, Brain macrophages : neurotoxic or neurotrophic effector cells, *J. Leukoc. Biol.*, **56**, 416-422 (1994).
53. J. Gehrman, Y. Matsumoto and G. W. Kreutzberg, Microglia: intrinsic immunoeffector cell of the brain, *Brain Res. Rev.*, **20**, 269-28 (1995).
54. F. M. Hofman, D. R. Hinton, K. Johnson and J. E. Merrill, Tumor necrosis factor identified in multiple sclerosis brain, *J. Exp. Med.*, **170**, 607-612 (1989).
55. J. Rogers, J. Luber-Narod, S. D. Styren and W. H. Civin, Expression of immune system-associated antigens by cells of the human central nervous system: relationship to the pathology of Alzheimer's disease, *Neurobiol. Aging*, **9**, 339-349 (1988).
56. P. L. McGeer, S. Itagaki, B. E. Boyes and E. G. McGeer, Reactive microglia are positive for HLA-DR in the substantia nigra of Parkinson's and Alzheimer's disease brains, *Neurology*, **38**, 1285-1291 (1988).
57. D. W. Dickson, L. A. Mattiace, K. Kure, K. Hutchins, W. D. Lyman and C. F. Brosnan, Microglia in human disease, with an emphasis on acquired immune deficiency syndrome, *Lab. Invest.*, **64**, 135-156 (1991).
58. P. J. Gebicke-Haerter, J. Bauer, A. Schobert and H. Northoff, Lipopolysaccharide free conditions in primary astrocyte cultures allow growth and isolation of microglia cells, *J. Neurosci.*, **9**, 183-194 (1989).
59. L. Minghetti, A. Nicolini, E. Polazzi, C. Criunon, J. Maclouf and G. Levi, Inducible nitric oxide synthase expression in activated rat microglial cultures is down-regulated by exogenous prostaglandin E₂ and by cyclooxygenase inhibitors, *Glia*, **19**, 152-160 (1997).
60. C. C. Chao, S. Hu, T. W. Molitor, E. G. Shaskan and P. K. Peterson, Activated microglia mediate neuronal cell death injury via a nitric oxide mechanism, *J. Immunol.*, **149**, 2736-2741 (1992).

61. J. E. Mernll, L. J. Ignarro, M. P. Sherman, J. Melinek and T. E. Lane, Microglial cell cytotoxicity of oligodendrocytes is mediated through nitric oxide, *J. Immunol.*, **151**, 2132-2141 (1993).
62. L. Meda, M. A. Cassatella, G. I. Szendrei, L. Jr. Otvos, P. Baron, M. Villalba, D. Ferrari and F. Rossi, Activation of microglial cells by β -amyloid protein and interferon- γ , *Nature*, **374**, 647-650 (1995).
63. W. Solbach, H. Moll and M. Rollinghoff, Lymphocytes play the music but the macrophages cells the tune, *Immunol. Today*, **12**, 4-6 (1991).
64. S. L. Kunkel, S. W. Chensue and S. H. Phan, Prostaglandins as endogenous mediators of interleukin 1 production, *J. Immunol.*, **136**, 186-192 (1986).
65. B. Beutler and A. Cerami, Tumor necrosis factor, cachexia, shock, and inflammation : a common mediator, *Ann. Rev. Biochem.*, **57**, 505-518 (1988).
66. A. H. Ding, C. F. Nathan and D. J. Stuehr, Release of reactive nitrogen intermediates and reactive oxygen intermediates from mouse peritoneal macrophages: comparison of activating cytokines and evidence for independent production, *J. Immunol.*, **141**, 2407-2412 (1988).
67. K. J. Tracey, Y. Fong, D. G. Hesse, K. R. Manogue, A. T. Lee, G. C. Kuo, S. F. Lowry and A. Cerami, Anti-cachectin/TNF monoclonal antibodies prevent septic shock during lethal bacteraemia, *Nature*, **330**, 662-664 (1987).
68. C. Thiermennann and J. R. Vane, Inhibition of nitric oxide synthesis reduces the hypotension induced by bacterial lipopolysaccharides in the rat *in vivo*, *Eur. J. Pharmacol.*, **182**, 591-595 (1990).
69. T. J. Williams and M. J. Peck, Role of prostaglandin-mediated vasodilation in inflammation, *Nature*, **270**, 530-532 (1977).
70. S. C. Kuo, L. J. Huang, J. S. Wu, C. H. Wu and T. C. Chou, Studies on heterocyclic compounds, VII. Synthesis of novel furo[2,3-*b*]-chromones[1], *J. Heterocyclic Chem.*, **26**, 605 (1989).

71. S. C. Kuo, T. P. Lin, L. D. Lin, H. Y. Hsu and C. H. Wu, Studies on heterocyclic compounds, V. Synthetic investigation of glycarpine, *J. Nat. Prod.*, **47**, 47 (1984).
72. S. C. Kuo, T. P. Lin, S. S. Chang, C. H. Wu, B. J. Shieh and T. C. Chou, Studies on heterocyclic compounds, VI. Synthetic investigation of taifine, *J. Nat. Prod.*, **49**, 48 (1986).
73. T. P. Lin, B. J. Shieh and S. C. Kuo, Studies on heterocyclic compounds, VII. Synthesis of isomaculosidine, *J. Nat. Prod.*, **50**, 631 (1987).
74. J. P. Wang, L. T. Tsao, S. L. Raung, M. F. Hsu and S. C. Kuo, Inhibition by HAJ11 of respiratory burst in neutrophils and the involvement of protein tyrosine phosphorylation and phospholipase D activation, *British Journal of Pharmacology.*, **120**, 79-87 (1997).
75. S. C. Kuo, S. C. Huang, L. J. Huang, H. E. Chen, T. P. Lin and C. H. Wu, Synthesis anti-inflammatory and antiallergic activity of *N*-alkyl-2,3,4,9-tetrahydrofuro[2,3-*b*]quinolin-3,4-diones and related compounds, *J. Heterocyclic Chem.*, **28**, 955 (1991).
76. M. J. Su, G. J. Chang, M. H. Wu and S. C. Kuo, Electrophysiological basis for the antiarrhythmic action and positive inotropy of HA-7, a furoquinoline alkaloid derivative, in rat heart, *British Journal of Pharmacology.*, **122**, 1285-1298 (1997).
77. T. P. Lin, Y. J. Luo, C. M. Teng and S. C. Kuo, Synthesis and antiplatelet activity of 5-methyl-2-furyl methyl ketone phenylhydrazones and related compounds, *Chin Med Coll J.*, **7 (4)**, 113-126 (1998).
78. C. C. Tsai, L. Y. Wang, L. J. Huang, C. M. Teng, T. P. Lin, H. T. Li and S. C. Kuo, Synthesis and antiplatelet activity of 1,3-disubstituted 5-methylfuro[3,2-*c*]pyrazoles and related compounds, *The Chinese Pharmaceutical Journal.*, **47**, 407-419 (1995).
79. T. P. Lin, C. P. Chang, W. H. Juo, C. M. Teng and S. C. Kuo, Synthesis and antiplatelet activity of diary ketone phenylhydrazones and related compounds, *Journal of Chinese Medical Sciences.*, **2 (2)**, 75-90 (2001).
80. J. R. O'Brien, Platelet aggregation II. Some results from a new method of

- study, *J. Clin. Pathol.*, **15**, 452-455 (1962).
81. C. M. Teng, W. Y. Chen, W. C. Ko and C. Ouyang, Antiplatelet effect of butyldenephthalide, *Biochem. Biophys. Acta.*, **924**, 375-382 (1987).
 82. J. P. Wang, S. L. Raung, Y. H. Kuo and C. M. Teng, Daphnoretin-induced respiratory burst in rat neutrophils is probably mainly through protein kinase C activation, *Eur. J. Pharmacol.*, **288**, 341-348 (1995).
 83. M. Markert, P. C. Andrews, B. M. Babior, Measurement of O^{2-} production by human neutrophils. The preparation and assay of NADPH oxidase-containing particles from human neutrophils, *Methods Enzymol.*, **105**, 358-365 (1984).
 84. A. C. Newby, Role of adenosine deaminase, ecto-(5'-nucleotidase) and ecto-(non-specific phosphatase) in cyanide-induced adenosine monophosphate catabolism in rat polymorphonuclear leucocytes, *Biochem. J.*, **186**, 907-918 (1980).
 85. A. J. Barrett, "A Laboratory Handbook", Dingle, J. T. ed. (Elsevier/North-Holland, Amsterdam), 118-120 (1972).
 86. D. R. Absolom, Basic methods for the study of phagocytosis, *Methods Enzymol.*, **132**, 95-179 (1986).
 87. J. P Wang, S. L. Raung, M. F. Hsu and C. N. Lin, Inhibition by gmisin C (a lignan from *Schizandra chinensis*) of the respiratory burst of rat neutrophils, *Br. J. Pharmacol.*, **113**, 945-953 (1994).
 88. B. Goldberg and A. Stern, The role of the superoxide anion as a toxic species in the erythrocyte, *Arch. Biochem. Biophys.*, **178**, 218-225 (1977).
 89. D. E. McClain, M. A. Donlon, S. Chock and G. N. Catravas, The effect of calmodulin on histamine release in the rat peritoneal mast cell, *Biochem. Biophys. Acta.*, **763**, 419 (1983).
 90. T. H. P. Hanahae, Mechanism of histamine release from rat isolated peritoneal mast cells by dextran : the role of immunglobulin E., *Agents*

Action, **14**, 468 (1984).

91. A. R. Johnson and E. G. Erdos, Release of histamine from mast cell by vasoactive peptides, *Proc. Sec. Exp. Biol. Med.*, **142**, 1252-1256 (1973).
92. R. Hakanson and A. L. Ronnberg, Improved fluorometric assay of histamine, *Antlyt. Biochem.*, **60**, 560-567 (1974).
93. S. B. Corradin, J. Manuel, S. D. Donini, E. Quattrocchi and P. Ricciardi-Castagnoli, Inducible nitric oxide synthase activity of cloned murine microglial cells, *Glia* **7**, 255-262 (1993).
94. L. Minghetti, A. Nicolini, E. Polazzi, C. Creminon, J. Maclouf and G. Levi, Inducible nitric oxide synthase expression in activated rat microglial cultures is down-regulated by exogenous prostaglandin E, and by cyclooxygenase inhibitors, *Glia* **19**, 152-160 (1997).