

CURRICULUM VITAE

นายแพทย์ประวิทย์ อัครเสรีนนท์

NAME: PRAVIT AKARASEREENONT
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PERSONAL DATA:

Date of Birth: 6 July 1967
Sex: Male
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EDUCATION:

<u>Institution</u>	<u>Degree</u>	<u>Year Conferred</u>
Assumption University	Certificate in Siriraj CEO	2004
Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand	Certificate in Fellowship of Thai College of Family Medicine	2003
Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand	Certificate in Mini MPA	2002
University of London, England, United Kingdom	Ph.D. (Pharmacology)	1995
Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand	M.D.	1991

HONOURS:

- Fellow of The College of Family Physicians of Thailand (FCFPT) (1999)
- Oversea Research Student Fellowship, The St. Bartholomew's Hospital Medical College, University of London, United Kingdom (1992-1995) - M.D., Second Class Honours (1991)

PROFESSIONAL EXPERIENCE:

- 2000-present Associate Professor, Division of Inflammopharmacology, Department of Pharmacology, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand
- 1997-2000 Assistant Professor, Division of Platelet and Endothelium, Department of Pharmacology, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand
- 1995-1997 Instructor, Division of Platelet and Endothelium, Department of Pharmacology, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand
- 1992-1995 Postgraduate student and Research Fellow, The St. Bartholomew's Hospital Medical College, University of London, United Kingdom
- 1991-1992 Instructor, Division of Platelet and Endothelium, Department of Pharmacology, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand

ADMINISTRATIVE POSITION:

- 2012-present Subcommittee of Strategic driving for National Thai Health
- 2003-present Vice Head, Department of Pharmacology, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand
- 2009-present Editorial Committee of Thai Traditional and Alternative Medicine Journal
- 2003-present Vice Head, Center of Applied Thai Traditional Medicine, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand
- 2001-present Subcommittee of ADR division, Thai FDA, Ministry of Public Health
- 2000-present Head, Division of Inflammopharmacology, Department of Pharmacology, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand
- 1997-present Editorial board of Thai Journal of Pharmacology
- 2007-2011 Subcommittee of Thai Traditional Medicine Fund, DTAM, Ministry of Public Health
- 2007-2011 Assistant Dean of Administration of Faculty of Medicine Siriraj Hospital, Mahidol University
- 2001-2011 General Committee of Thai Association for The Study of Pain
- 2000-2007 Board of Government Pharmaceutical Organization Research Fund
- 1997-2005 Vice Editor of Thai Journal of Pharmacology
- 1996-2005 General Committee of Thai Pharmacological Society
- 1997-2001 Secretary of The International Association for the Study of Pain: Thai Chapter

FIELD OF RESEARCH:

- Herbal medicine
- Pain and inflammation
- Cancer
- Molecular pharmacology and signal transduction of platelet and endothelium

MEMBERS OF LEARNED SOCIETIES:

International

- The International Association for the Study of Pain
- The Inflammation Research Association
- The British Pharmacological Society

National

- The Pharmacological Society of Thailand
- The International Association for the Study of Pain: Thai Chapter
- The Medical Association of Thailand
- General Practitioners/ Family Physicians Association, Thailand
- The Royal College of Physicians of Thailand
- Thai College of Family Medicine
- The Infectious Disease Association of Thailand
- Thai Society of Microcirculation
- Thai Academy of Science and Technology Foundation

PUBLICATIONS:

International

Research article

1. Panich U, Pluemsamran T, Tangsupa-a-nan V, Wattanarangsana J, Phadungrakwittaya R, Akarasereenont P, Laohapand T. Protective effect of AVS073, a polyherbal formula, against UVA-induced melanogenesis through a redox mechanism involving glutathione-related antioxidant defense. *BMC Comple Alter Med* 2013, 13: 159-169.
2. Pluemsamran T, Tripatara P, Phadungrakwittaya R, Akarasereenont P, Laohapand T, Panich U. Redox Mechanisms of AVS022, an Oriental Polyherbal Formula, and Its Component Herbs in Protection against Induction of Matrix Metalloproteinase-1 in UVA-Irradiated Keratinocyte HaCaT Cells. *Evidence Comple Alter Med* 2013, 12: 1-10.
3. Tripatara P, Onlamul W, Booranasubkajorn S, Wattanarangsana J, Huabprasert S, Lumlerdkij N, Akarasereenont P, Laohapand T. The safety of Homnawakod herbal formula containing *Aristolochia tagala* Cham. in Wistar rats. *BMC Comple Alter Med* 2012, 12: 110.
4. Akarasereenont P, Chatsiricharoenkul S, Pongnarin P, Sathirakul K, Kongpatanakul S. Bioequivalence Study of 1,500 mg Glucosamine Sulfate in Thai Healthy Volunteers. *J Bioeq Bioav* 2012; 4: 91-95.
5. Huabprasert S, Kasetinsombat K, Kangsadalampai K, Wongkajornsilp A, Akarasereenont P, Panich U, Laohapand T. The *Phyllanthus emblica* L. infusion carries immunostimulatory activity in a mouse model. *J Med Assoc Thai* 2012; 95 (Suppl 2):S75-S82.
6. Pengkhum T, Chatsiricharoenkul S, Akarasereenont P, Charoencholvanich K. Phase II clinical trial of Ayurved Siriraj Wattana Recipe for symptomatic relief in patients with osteoarthritis of the knee. *J Med Assoc Thai* 2012; 95:452-460.
7. Watanapa WB, Theerathananon W, Akarasereenont P, Techatraisak K. Effects of preeclamptic plasma on potassium currents of human umbilical vein endothelial cells. *Reprod Sci* 2012; 19:391-399.
8. Panich U, Onkoksoong T, Limsaengurai S, Akarasereenont P, Wongkajornsilp A. UVA-induced melanogenesis and modulation of glutathione redox system in different melanoma cell lines: the protective effect of gallic acid. *J Photochem Photobiol B* 2012; 108:16-22.

9. Sa-ngiamsuntorn K, Wongkajornsilp A, Kasetsinsombat K, Duangsa-ard S, Nuntakarn L, Borwornpinyo S, Akarasereenont P, Limsrichamrern S, Hongeng S. Upregulation of CYP 450s expression of immortalized hepatocyte-like cells derived from mesenchymal stem cells by enzyme inducers. *BMC Biotechnol* 2011; 11: 89.
10. Panich U, Tangsupa-a-nan V, Onkoksoong T, Kongtaphan K, Kasetsinsombat K, Akarasereenont P, Wongkajornsilp A. Inhibition of UVA-mediated melanogenesis by ascorbic acid through modulation of antioxidant defense and nitric oxide system. *Arch Pharm Res* 2011; 34:811-820.
11. Plasen D, Akarasereenont P, Techatraisak K, Chotewuttakorn S, Thaworn A. Initial response of endothelial cells to acute stimulation with a lipid component: increase cyclooxygenase activity by induction of COX-2 through activation of tyrosine kinase. *J Med Assoc Thai* 2010; 93 (Suppl 2):S59-S67.
12. Itthipanichpong R, Lupreechaset A, Chotewuttakorn S, Akarasereenont P, Onkoksoong T, Palo T, Kongpatanakul S, Chatsiricharoenkul S, Thitilertdecha P, Punpeng P, Laohapand T. Effect of Ayurved Siriraj herbal recipe Chantaleela on platelet aggregation. *J Med Assoc Thai* 2010; 93:115-122.
13. Boonmasawai S, Akarasereenont P, Techatraisak K, Thaworn A, Chotewuttakorn S, Palo T. Effects of selective COX-inhibitors and classical NSAIDs on endothelial cell proliferation and migration induced by human cholangiocarcinoma cell culture. *J Med Assoc Thai* 2009; 92:1508-1515.
14. Akarasereenont P, Chatsiricharoenkul S, Pongnarin P, Sathirakul K, Kongpatanakul S. Bioequivalence Study of 500 mg Glucosamine Sulfate in Thai Healthy Volunteers. *J Med Assoc Thai* 2009;92: 1234-1239.
15. Panich U, Kongtaphan K, Onkoksoong T, Jaemsak K, Phadungrakwittaya R, Thaworn A, Akarasereenont P, Wongkajornsilp A. Modulation of antioxidant defense by *Alpinia galanga* and *Curcuma aromatica* extracts correlates with their inhibition of UVA-induced melanogenesis. *Cell Biol Toxicol* 2010;26:103-116..
16. Akarasereenont P, Tripatara P, Chotewutakorn S, Palo T, Thaworn A. The effects of estrone, estradiol and estriol on platelet aggregation induced by adrenaline and adenosine diphosphate. *Platelet* 2006; 17: 441-447.
17. Viprakasit V, Kankirawatana S, Akarasereenont P, Durongpisitkul K, Chotewuttakorn S, Tanphaichitr V. Changes in plasma endothelin-1 (ET-1) during blood transfusion in thalassemic patients. *Am J Hematol* 2002; 70: 260-262.
18. Akarasereenont P, Techatraisak K, Thaworn A, Chotewuttakorn S. The expression of COX-2 in VEGF treated endothelial cells is mediated through protein tyrosine kinase. *Med Inflamm* 2002; 11: 17-22.
19. Akarasereenont P, Techatraisak K, Chotewuttakorn S, Thaworn A. The effects of COX metabolites on cyclooxygenase-2 induction in LPS-treated endothelial cells. *J Med Assoc Thai* 2001; 84(Suppl3): S696-S709.
20. Akarasereenont P, Aiamsa-ard T, Chotewuttakorn S, Thaworn A. The activation of platelet aggregation by Human Cholangiocarcinoma Cells is mediated through thrombin receptor. *J Med Assoc Thai* 2001; 84(Suppl3): S710-S721.
21. Akarasereenont P, Leowattana W, Nuamchit T, Chotewuttakorn S, Thaworn A, Khunawat P. Serum nitric oxide levels in patients with coronary artery diseases. *J Med Assoc Thai* 2001; 84(Suppl3): S730-S739.
22. Thamaree S, Sitprija V, Punyavoravuth V, Akarasereenont P, Puckmanee N, Khow O, Thaworn N. Effects of russell's viper venom on mediator production in cultured human endothelial cells. *J Med Assoc Thai* 2001; 84 (Suppl1):S197-S207 .
23. Akarasereenont P, Techatrisak K, Thaworn A, Chotewuttakorn S. The induction of cyclooxygenase-2 by 17 β -estradiol in endothelial cells is mediated through protein kinase C. *Inflamm Res* 2000; 49: 460-465.

24. Akarasereenont P, Techatrisak K, Chotewuttakorn S, Thaworn A. The induction of cyclooxygenase-2 in IL-1 β -treated endothelial cells is inhibited by prostaglandin E₂ through cAMP. *Med Inflamm* 1999; 8: 287-294.
25. Akarasereenont P, Techatrisak K, Chotewuttakorn S, Thaworn A. The induction of cyclooxygenase-2 (COX-2) in cultured endothelial cells treated with serum from preeclampsia is mediated by interleukin-6. *J Med Assoc Thai* 1999; 82: 876-884.
26. Akarasereenont P, Techatrisak K, Thaworn A, Chotewuttakorn S. The expression of cyclooxygenase-2 in human umbilical vein endothelial cell culture from preeclampsia. *J Med Assoc Thai* 1999; 82: 167-172.
27. Akarasereenont P, Thiernemann C. The induction of cyclooxygenase-2 in human pulmonary epithelial cells (A549) activated by IL-1 β is inhibited by tyrosine kinase inhibitors. *Biochem Biophys Res Commun* 1996; 220: 181-185.
28. Akarasereenont P, Hide E, Ney P, Thiernemann C, Vane JR. The induction of cyclooxygenase-2 elicited by endotoxin in endothelial cells and macrophages is inhibited by prostaglandin E₁ and 13,14-dihydro prostaglandin E₁. *Agents Actions* 1995; 45(Suppl.): 59-64.
29. Akarasereenont P, Mitchell JA, Thiernemann C, Vane JR. Comparison of the induction of cyclooxygenase and nitric oxide synthase by endotoxin in endothelial cells and macrophages. *Eur J Pharmacol* 1995; 273: 121-128.
30. Akarasereenont P, Bakhle YS, Thiernemann C, Vane JR. Cytokines mediate the induction of cyclo-oxygenase-2 by activating tyrosine kinase in bovine aortic endothelial cells stimulated by bacterial lipopolysaccharide. *Br J Pharmacol* 1995; 115: 401-408.
31. Mitchell JA, Belvisi MG, Akarasereenont P, Robbins RA, Kwon OJ, Barnes PJ, Vane JR. Induction of cyclooxygenase-2 in human pulmonary epithelial cells. *Br J Pharmacol* 1994; 113: 1008-1014.
32. Akarasereenont P, Mitchell JA, Appleton I, Thiernemann C, Vane JR. Involvement of tyrosine kinase in the induction of cyclo-oxygenase and nitric oxide synthase by endotoxin in cultured cells. *Br J Pharmacol* 1994; 113: 1522-1528.
33. Mitchell JA, Akarasereenont P, Thiernemann C, Flower RJ, Vane JR. Selectivity of nonsteroidal antiinflammatory drugs as inhibitors of constitutive and inducible cyclooxygenase. *Proc Natl Acad Sci USA* 1993; 90: 11693-11697.

National

Research article

1. Vattananupon S, Chadvongvan P, Akarasereenont P, Tapechum S, Tilokskulchai K, Pakaprot N. Brahmi extract attenuated spatial learning and memory impairment and cell death of rat hippocampal CA1 neurons after the 2-VO induced chronic cerebral hypoperfusion. *Siriraj Med J* 2013; 65: 103-111.
2. Duangsa-ard S, Wongkajornsilp A, Akarasereenont P, Huabprasert S, Chongputtharaksa T, Laohapand T. The effects of Ayurved Siriraj Wattana recipe on splenocytes in Wistar rat. *Siriraj Med J* 2013; 65: 73-76.
3. Numchaisermasuk N, Wongkajornsilp A, Akarasereenont P, Wamanuttajinda V, Kasetsinsombat K, Duangsa-ard S, Lumlerdkij N, Laohaphan T. Ayurved Siriraj Wattana Recipe modulate the differentiation, maturation and function of cytokine-induced killer cells and dendritic cells *In vitro*. *Thai J Pharmacol* 2013; **in press**.
4. Kanlaya H, Akarasereenont P, Tripatara P, Huabprasert S, Lumlerdkij N, Laohapand T. Investigation of anti-inflammatory effect of herbal drug using LPS-induced systemic inflammation in Wistar rats. *Thai J Pharmacol* 2013; **in press**.
5. Palo T, Akarasereenont P, Tripatara P, Thaworn A, Charoenkij P, Chotewuttakorn S, Lumlerdkij N, Laohaphan T. The Effects of Ayurved Siriraj Ha-Rak Recipe (AVS022) on COX-2 Expressed in Human Umbilical Vein Endothelial Cells (HUVEC) Induced by Interleukin 1 β (IL-1 β). *Thai J Pharmacol* 2013; **in press**.

6. Phadungrakwittaya R, Akarasereenont P, Lumlerdkij N, Chotewuttakorn S, Chaisri S, Laohapand T. Optimization of Aristolochic acid I detection in Thai crude drugs using high performance thin layer chromatography. *J Thai Trad Alt Medicine* 2012; 10: 93-102.
7. Wattanarangsana J, Akarasereenont P, Lumlerdkij N, Chotewuttakorn S, Piwtong M, Laohapand T. Development of ultra-high performance liquid chromatography technique for detection of Aristolochic acid I in dried root of *Aristolochiatagala* Cham. *Siriraj Med J* 2012; 64: 110-113.
8. Bunnan K, Chaikomin R, Lohsiriwat S, Chomchai S, Akarasereenont P. Effect of Ayurved Siriraj herbal recipe "Wattana" on gastric emptying rate. *Siriraj Med J* 2012; 64: 89-93.
9. Akarasereenont P, Thitilertdecha P, Chotewuttakorn S, Palo T, Seubnooch P, Wattanarangsana J, Phadungrakwitya R, Klumklomjit S, Chareonkij P, Sathiyos Y, Laohapand T. Chromatographic fingerprint development for quality assessment of "Ayurved Siriraj Prasachandaeng" antipyretic drug. *Siriraj Med J* 2010; 62: 4-8.
10. สิริกานต์ ภูโปร่ง, เทียมจิต ทองลือ, ศรีอยุธยา เอี่ยมพรชัย, นฤมล พูนไพบูลย์โรจน์, อริยวรรณ ล้าเลิศกิจ, ประวิทย์ อัครเสรินนท์, ทวี เลหาพันธ์, วิโรจน์ จงกลวัฒนา, อาพร วงศ์ภัทรนนท์, กรองทิพย์ วิจิตรจินดา. ความสัมพันธ์ระหว่างธาตุเจ้าเรือน หมูเลือด และอาหาร. *Siriraj Med Bulletin* 2010; 3: 23-30 11.
12. Akarasereenont P, Aiamsa-ard T, Chotewuttakorn S, Thaworn A. Cholangiocarcinoma cell induced platelet aggregation via activation of thrombin and cyclooxygenase. *Siriraj Med J* 2009; 61: 8-12.
13. Akarasereenont P, Techatrasak K, Chotewuttakorn S, Thaworn A. The inhibition of cyclooxygenase-2 expressed in endotoxin-treated endothelial cells by prostaglandin E₂ is mediated through cAMP. *Thai J Pharmacol* 2002; 24: 21-30.
14. Wongkajornsilp A, Akarasereenont P, Tisavipat N, Haubprasert S, Thaworn A. Expression of cyclooxygenase-1 and -2 in cultured human glioma cells of various stages. *Siriraj Hosp Gaz* 2000; 52: 748-757.
15. Plasen D, Akarasereenont P, Techatrasak K, Thaworn A, Chotewuttakorn S. The effects of exogenous arachidonic acid on cyclooxygenase activity and isoform expressed in cultured endothelial cells. *Thai J Pharmacol* 2000; 22: 11-22.
16. Akarasereenont P, Wongkajornsilp A, Chotewuttakorn S, Thaworn A, Haubprasert S, Kraissintu K. The effect of herbal extracts (GPO1986) on proliferation of vascular endothelium. *Thai J Pharmacol* 1999; 21: 205-212.
17. Akarasereenont P, Chotewuttakorn S, Thaworn A. Alteration of ADP-stimulating platelet aggregation by interleukin-6 in in vitro. *Thai J Pharmacol* 1998; 20: 170-175.
18. Akarasereenont P, Thiemermann C. Role of protein kinases in the induction of inducible isoform of cyclooxygenase-2 (COX-2) by endotoxin-activated endothelial cells. *Thai J Pharmacol* 1998; 20: 1-10.
19. Akarasereenont P, Kongpatanakul S, Henry DA, Thiemermann C. The side effects of non-steroidal anti-inflammatory drugs: Are they attributed to the selective inhibition of different isoforms of cyclooxygenase? *Siriraj Hosp Gaz* 1997; 49: 1172-1177.
20. Souvannakitti L, Akarasereenont P, Ketsa-ard K., Chotewuttakorn S, Thaworn A. Platelet serotonin in headache patients treated by new trend acupuncture. *Siriraj Hosp Gaz* 1993; 45: 528-533.
21. ณรงค์ นาคเจริญวารี, สมิทธี สุขสมิทธี, พิเศษ คาทอง, ชัชวาลย์ ศรีสวัสดิ์, ประวิทย์ อัครเสรินนท์, วีระเดช ผลพานิชเจริญ, ชนินทร ลีม่วงศ์, เพ็ญพรรณ ด่านวิไล, กมลวรรณ เถลิ้มโชคชัย. ความรู้และทัศนคติเกี่ยวกับโรคเอดส์ของบุคลากรในโรงพยาบาลศูนย์นครปฐม. *วารสารแพทย์เขต ๗, ๘(๒), พ.ค.-ส.ค. ๒๕๓๓, ๑๐๘-๑๒๑.*

Review article

1. ฉัชกร ล้าเลิศกิจ, นฤมล พูนโพธิ์โรจน์, ประวิทย์ อัครเสรีนนท์. เวชศาสตร์เชิงประจักษ์กับการแพทย์แผนไทย. J Thai Trad Alt Medicine 2011; 9: 94-99.
2. ประวิทย์ อัครเสรีนนท์. แนวทางการวิจัยสมุนไพรในไทย. JThai Trad Alt Medicine 2011; 9: 3-9.
3. Akarasereenont P. The use nonsteroidal anti-inflammatory drugs in gastrointestinal and cardiovascular risk patient. Medical and Health Product Bulletin 2008; 11: 1-4.
4. Akarasereenont P. Rational use nonsteroidal anti-inflammatory drugs. PainNews 2008; 20: 3-7.
5. Akarasereenont P. The side effects of nonsteroidal anti-inflammatory drugs beyond the COXIBs. Medical and Health Product Bulletin 2004; 7: 1-4.
6. Akarasereenont P, Aukasilp S. Progress in the field of selective COX-2 inhibitors. The Medical Time 2002; 2(59): 3-6.
7. Akarasereenont P, Nicholas N, Siriwitayakorn P. The role of COX-2 in cancer. The Medical Time 2002; 2: 27-30.
8. Akarasereenont P, Bunmasawai S. Role of COX-2 in cancer-induced angiogenesis. Thai J Pharmacol 2002; 24: 5-8.
9. Akarasereenont P. Cyclooxygenase-2 in carcinogenesis. Manual Book, Colorectal Disease Meeting, 4th-6th March 2002; p24-73.
10. Akarasereenont P. Use of NSAIDs in acute postoperative pain. Manual Book, Workshop on postoperative pain management, 11th-18th May 2001; p58-76.
11. Akarasereenont P. Basic mechanism of pain.. Manual Book, Workshop on family practice, 26th Oct-10th Nov 2001; p 324-328.
12. Ketsawatsakul U, Akarasereenont P. Ascorbic acid and atherosclerosis. Thai J Pharmacol 2000; 22: 33-45.
13. Akarasereenont P, Bunyaratavej N, Louthrenoo W. Specific COX-2 inhibitors: An update and clinical implication. The Medical Time 2000; 19: 31-32.
14. Akarasereenont P. COX-2 inhibitor: A new concept of NSAID therapy. Clinic 2000; 16: 275-284.
15. Akarasereenont P, Nilganuwong S, Hsii FP, Lau CS. COX-1 and COX-2 in orthopedic care. The Medical News 2000; 2: S1-S4.
16. Akarasereenont P. Rofecoxib: The once daily specific COX-2 inhibitor. Thai J Pharmacol 1999; 21: 239-246.
17. Akarasereenont P. COX-2 inhibitors in the next millenium: Understanding the new classification, potential promises and pitfalls. Siriraj Hosp Gaz 1999; 51: 907-910.
18. Akarasereenont P, Kachintorn U, Ekman EF. Specific COX-2 inhibitors: A new class drug for arthritis patients. The Medical News 1999; 1: 3-6.
19. Akarasereenont P. The sedative side effect of antihistamine (AH₁). Thai J Pharmacol 1999; 21: 127-135.
20. Akarasereenont P. Celecoxib: The first specific COX-2 inhibitor. Thai J Pharmacol 1999; 21: 142-148.
21. Akarasereenont P. The new classification of non-steroidal antiinflammatory drugs as COX2 concepts. Thai J Pharmacol 1999; 21: 9-11.
22. Phivthong-ngam L, Akarasereenont P. Montelukast: A new anti-asthmatic drug as cysLT₁ receptor antagonist Thai J Pharmacol 1999; 21: 55-62.
23. Akarasereenont P. Fexofenadine: The third generation of antihistamine. Thai J Pharmacol 1998; 20: 200-206.
24. Akarasereenont P. Selective COX-2 inhibitors. Thai J Pharmacol 1998; 20: 45-47.
25. Akarasereenont P. New drug Monitor. Thai J Pharmacol 1997; 19: 55-56.
26. Akarasereenont P. The inducible isoform of cyclooxygenase (COX-2): New target for antiinflammatory therapy. Thai J Pharmacol 1997; 19:33-42.

BOOKS AND CHAPTER IN BOOKS:

1. ประวัติย่อ อัครเสรินนท์. ทิศทางการวิจัยและพัฒนาจากสมุนไพรของไทย : มุมมองและประสบการณ์ของคณะแพทยศาสตร์ศิริราชพยาบาล มหาวิทยาลัยมหิดล. แพทย์แผนไทยกับการพัฒนาอย่างยั่งยืน 2554: บรรณาธิการ ทวี เล่าห์พันธ์, พิมพ์ครั้งที่ 1 พ.ศ. 2554, สำนักพิมพ์ โรงพยาบาลศิริราช กรุงเทพฯ, หน้า
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