

BIOGRAPHICAL SUMMARY

**George R. Pettit**

Birth: Long Branch, New Jersey

Education: B.S., Chemistry, Washington State University, 1952.  
M.S., (Syn. and Heterocyclic Chem. with Prof. C. Djerassi),  
Wayne State University, 1954.  
Ph.D. (Structure and Steroid Chem. with Prof. C. Djerassi),  
Wayne State University, 1956.

Positions: Teaching Assistant, Washington State University, 1950-52,  
Lecture Demonstrator, Washington State University, 1952.  
Research Chemist, E. I. DuPont deNemours and Co., Summer 1953.  
Graduate Teaching Assistant, Wayne State University, 1952-53.  
Research Fellow, Wayne State University, 1954-56. Senior  
Research Chemist, Norwich Eaton Pharmaceuticals, Inc. (now  
Procter and Gamble Co.), 1956-57. Assistant Professor of  
Chemistry, University of Maine, 1957-61. Associate Professor of  
Chemistry, University of Maine, 1961-65. Professor of Chemistry,  
University of Maine, 1965. Visiting Professor of Chemistry,  
Stanford University, 1965. Professor of Chemistry, Arizona State  
University, 1965 - present. Chairman, Organic Division, Arizona  
State University, 1966-68. Director, Cancer Research Laboratory,  
1974-75. Director, Cancer Research Institute, 1975 -. Dalton  
Professor of Cancer Research and Medicinal Chemistry, 1986 -.  
Regents Professor of Chemistry, 1990 - present.  
Co-Director, Arizona Prostate Cancer Task Force, 2000-2010.

Honors and Advisory Responsibilities

Consultant: Smith-Kline-French Laboratories, 1959-1961.  
Division of Cancer Treatment, National Cancer Institute,  
National Institutes of Health, 1965-1976.  
Special Study Sections, National Cancer Institute and National  
Institutes of Health, 1976- . Research Vice President and  
President Oregon State University, 2006 - 2011

Member: Editorial Board, Synthetic Communications, 1970-  
Journal of Natural Products, 1984- 2011, Anti-Cancer Drug  
Design, 1990- , and Current Organic Chemistry, 1997-2010.  
Advisory Board, Walter Reed Medical Research Institute, 1985-  
1990.  
The Amer. Inst. of Chemists Chemical Pioneer Award Selection  
Committee, 1989-97.  
Corresponding Member, European Organization for Research and  
Treatment of Cancer (EORTC), 1990- .  
Research Achievement Awards Committee, American Society of  
Pharmacognosy, 1996-99.  
Director, Scientific Advisory Council, International Cancer  
Advocacy Network (formerly IFADD) 1997-  
Reviewer, a number of research journals in organic chemistry and  
cancer, as well as for research grant applications.  
New York Academy of Sciences,

Past Member: Cancer Treatment Advisory Board, Division of Cancer Treatment, National Cancer Institute, 1971-1974.  
Medicinal Chemistry Fellowships Committee, National Institutes of Health, 1967-1970. American Chemical Society Awards Committee, 1968-1971, 1978-81, 1998-2002, 2012-.  
Washington State University Foundation Board, 1981-1985.  
Clinical Trials Board, U.K. Cancer Research Campaign 1985-2006

Fellow: American Institute of Chemists, 1970- .  
American Society of Pharmacognosy, 2007-

Represented: Our government in negotiations for exchange of drugs for the treatment of cancer, March 17 - April 14, 1973. Part of the negotiations took place in Moscow, Riga, Leningrad, Kiev, and Yerevan, USSR.

U.S. Academy of Sciences in a study of drug development and medicine in the People's Republic of China, June 1974. These responsibilities were performed in Peking, Shanghai, Tienstin, Nanching, Hanchow, and Kwangchow.

The National Cancer Institute at a considerable number of university, research institute, and industrial laboratories from 1965.

The University of Maine and Arizona State University as a lecturer at a large number of international scientific symposia, national scientific meetings, and at other universities from 1957.

Memberships: American Chemical Society  
The Chemical Society (London)  
American Society of Clinical Oncology  
American Pharmacognosy Society  
American Association for Cancer Research  
National Academy of Inventors  
Phi Lambda Upsilon

Honors: Washington State University Regents Distinguished Alumnus Award, 2012  
Long Branch High Schools, Long Branch, New Jersey, Distinguished Alumni Academic Hall of Fame, 2009  
Laverne Weber Visitng Scholar, Hatfield Marine Science Center, Oregon State University, 2009  
Distinguished Lecture Series, School of Pharmacy, University of Pittsburgh, 2009  
Special Issue of *Journal of Natural Products* dedicated to Professor G. Robert Pettit, March, 2008  
Nolan & Gloria Sommer Award, Univ. of Nebraska, April 2000  
Ernest Guenther Award in the Chemistry of Natural Products, American Chemical Society, 1998.  
Mathias P. Mertes Memorial Lecture Award, University of Kansas, Lawrence, Kansas 1997.  
Research Achievements Award, American Society of Pharmacognosy, 1995.  
State of Arizona Governor's Excellence Award, 1993.  
Regents Professor, Arizona State University, May 1990.

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Outstanding Investigator Award - National Cancer Institute,  
1989-2001.  
Chemical Pioneer Award, American Institute of Chemists, 1988.  
Appointed Dalton Professor of Medicinal Chemistry and Cancer  
Research, 1986.  
Alumni Achievement Award, Washington State University,  
1983-1984.  
Distinguished Research Professorship, Arizona State University,  
Academic Year 1978-1979.  
Visiting Professor, South African Universities, Fall 1978.  
Presented named lecture series at a number of universities.

Honorary

Memberships: ARCS Foundation  
PAM Group European Organization for Research and Treatment of  
Cancer (EORTC).  
International Cancer Advocacy Network (formerly International  
Foundation for Anticancer Drug Discovery).

Publications: Books

- 1A. G. R. Pettit, SYNTHETIC PEPTIDES, Vol. 1, Van Nostrand Reinhold Co., New York, N.Y., 1970.
- 2A. G. R. Pettit, SYNTHETIC PEPTIDES, Vol. 2, Van Nostrand Reinhold Co., New York, N.Y., 1971.
- 3A. G. R. Pettit, SYNTHETIC PEPTIDES, Vol. 3, Academic Press, New York, N.Y., 1975.
- 4A. G. R. Pettit, SYNTHETIC PEPTIDES, Vol. 4, Elsevier Scientific Publishing Co., Amsterdam, The Netherlands, 1976.
- 5A. G. R. Pettit, SYNTHETIC PEPTIDES, Vol. 5, Elsevier Scientific Pub. Co., Amsterdam, The Netherlands, 1980.
- 6A. G. R. Pettit, SYNTHETIC PEPTIDES, Vol. 6, Elsevier Scientific Pub. Co., Amsterdam, The Netherlands, 1982.
- 7A. G. R. Pettit, SYNTHETIC NUCLEOTIDES, Vol. 1, Van Nostrand Reinhold Co., New York, N.Y., 1972.
- 8A. G. R. Pettit, BIOSYNTHETIC PRODUCTS FOR CANCER CHEMOTHERAPY, Vol. 1, Plenum Publishing Co., New York, N.Y., 1977.
- 9A. G. R. Pettit and G. M. Cragg, BIOSYNTHETIC PRODUCTS FOR CANCER CHEMOTHERAPY, Vol. 2, Plenum Publishing Co., New York, N.Y., 1978.
- 10A. G. R. Pettit and R. H. Ode, BIOSYNTHETIC PRODUCTS FOR CANCER CHEMOTHERAPY, Vol. 3, Plenum Publishing Corp., New York, N.Y., 1979.
- 11A. G. R. Pettit, G. M. Cragg, and C. L. Herald, BIOSYNTHETIC PRODUCTS FOR CANCER CHEMOTHERAPY, Vol. 4, Elsevier Scientific Pub. Co., Amsterdam, 1984.
- 12A. G. R. Pettit, G. M. Cragg, and C. L. Herald, BIOSYNTHETIC PRODUCTS FOR CANCER CHEMOTHERAPY, Vol. 5, Elsevier Scientific Pub. Co., Amsterdam, 1985.
- 13A. G. R. Pettit, C. L. Herald, and C. R. Smith, BIOSYNTHETIC PRODUCTS FOR CANCER CHEMOTHERAPY, Vol. 6, Elsevier Scientific Pub. Co., Amsterdam, 1989.
- 14A. G. R. Pettit, F. Hogan-Pierson, C. L. Herald, ANTICANCER DRUGS FROM ANIMALS, PLANTS, AND MICROORGANISMS, John Wiley-Interscience, New York, 1993.

Chapters:

- 1B. G. R. Pettit and E. Van Tamelen, Desulfurization With Raney Nickel in "Organic Reactions," Vol. XII, Ed. by Arthur C. Cope, John Wiley and Sons, Inc., New York, 1962, Chapter 5, pp. 356-529.
- 2B. R. Ode, Y. Kamano, and G. R. Pettit, Cardenolides and Bufadienolides in "MTP International Review of Science, Organic Chemistry Series One," Vol. 8, Ed. by W. F. Johns, Butterworths, London, 1972, Chapter 6, pp. 151-177.
- 3B. R. Ode, G. R. Pettit, and Y. Kamano, Cardenolides and Bufadienolides in "International Review of Science, Organic Chemistry Series Two," Vol. 8, Ed. by W. F. Johns, Butterworths, London, 1975, Chapter 6, pp. 145-171.
- 4B. G. R. Pettit, C. R. Smith, and S. B. Singh, "Recent Advances in the Chemistry of Plant Antineoplastic Constituents," in Biologically Active Natural Products, Annual Proceedings of the Phytochemical Society of Europe, Clarendon Press, Oxford, Chap. 7, 1987, pp. 105-116.
- 5B. P. M. Blumberg, G. R. Pettit, B. S. Warren, A. Szallasi, L. D. Schuman, N. A. Sharkey, H. Nakakuma, M. L. Dell'Aquila, and D. J. de Vries, "The Protein Kinase C Pathway in Tumor Promotion," In: Skin Carcinogenesis: Mechanisms and Human Relevance, Alan R. Liss, Inc., N.Y., 1989, p. 201-212.
- 6B. G. R. Pettit, "The Bryostatins," in: Progress in the Chemistry of Organic Natural Products, No. 57, Founded by L. Zechmeister, Ed. by W. Herz, G. W. Kirby, W. Steglich, and Ch. Tamm, Springer-Verlag, New York, 1991, pp. 153-195.
- 7B. B. Gabrielsen, T. P. Monath, J. W. Huggins, J. J. Kirsi, M. Hollingshead, W. M. Shannon, and G. R. Pettit, "Activity of Selected Amaryllidaceae Constituents and Related Synthetic Substances Against Medically Important RNA Viruses," in: Natural Products as Antiviral Agents, Ed. by C. K. Chu and H. G. Cutler, Plenum Press, New York, 1992, pp. 121-135.
- 8B. G. R. Pettit, "The Dolastatins," in Progress in the Chemistry of Organic Natural Products, Vol. 70, Ed. By W. Herz, G. W. Kirby, R. E. Moore, W. Steglich, and Ch. Tamm, Springer Verlag, New York, 1997, pp. 1-79.
- 9B. G. R. Pettit, C. L. Herald, and F. Hogan, "Biosynthetic Products for Anticancer Drug Design and Treatment: The Bryostatins," in Anticancer Drug Development, ed. By B. Baguley, Academic Press, San Diego, CA, 2002, pp. 203-235.
- 10B. G. R. Pettit, "Evolutionary Biosynthesis of Anticancer Drugs," in Anticancer Agents: Frontiers in Cancer Chemotherapy, ed. By I. Ojima, G. D. Vite, and K-H. Altmann, American Chemical Society, Washington, DC, 2001, pp. 16-42.
- 11B. K. G. Pinney, C. Jelinek, K. Edvardsen, D. J. Chaplin and G. R. Pettit, "The Discovery and Development of the Combretatins," in Anticancer Agents from Natural Products, ed. By G. M. Cragg, D. G. I. Kingston, and D. J. Newman, Taylor & Francis, Boca Raton, FL, 2005, pp. 23-46.
- 12B. G. R. Pettit, "Dolastatins" in Marine Anticancer Compounds in the Era of Targeted Therapies. Bruce Chabner and Cortés-Funes, Eds, P. Permanyer SL, Barcelona, (2009), pp. 19-49.

- 13B. G. R. Pettit, "Arizona State University Cancer Research Institute" in The American Society of Pharmacognosy, 50 Years of Progress in Natural Products Research 1959-2009, ed. By G. M. Cragg, J. A. Beutler, and W. P. Jones, The American Society of Pharmacognosy, Omnipress, Madison, WI, 2009, pp. 107-108.
- 14B. G. R. Pettit and C. L. Herald, "The Bryostatins" in The American Society of Pharmacognosy, 50 Years of Progress in Natural Products Research 1959-2009, ed. By G. M. Cragg, J. A. Beutler, and W. P. Jones, The American Society of Pharmacognosy, Omnipress, Madison, WI, 2009, pp. 213-215.
- 15B. G. R. Pettit and K. G. Pinney, "The Combretastatins" in The American Society of Pharmacognosy, 50 Years of Progress in Natural Products Research 1959-2009, ed. By G. M. Cragg, J. A. Beutler, and W. P. Jones, The American Society of Pharmacognosy, Omnipress, Madison, WI, 2009, pp. 217-219.
- 16B. G. R. Pettit, "The Dolastatins" in The American Society of Pharmacognosy, 50 Years of Progress in Natural Products Research 1959-2009, ed. By G. M. Cragg, J. A. Beutler, and W. P. Jones, The American Society of Pharmacognosy, Omnipress, Madison, WI, 2009, pp. 224-226.
- 17B. Kevin G . Pinney , George R . Pettit , Mary Lynn Trawick , Christopher Jelinek , and David J . Chaplin, "The Discovery and Development of the Combretastatins," Citation Information Anticancer Agents from Natural Products, Second Edition, David J . Cragg , Gordon M . Kingston , and David G . I . Newman CRC Press 2011, pp. 27-64.

Research Publications In Press, Submitted, or In Preparation

763. George R. Pettit, Noeleen Melody, and Jean-Charles Chapuis, "Antineoplastic Agents 606. The Betulastatins." J. Nat. Prod., submitted
762. George R. Pettit, Noeleen Melody, and Jean-Charles Chapuis, "Antineoplastic Agents 605. Isoquinstatins." J. Nat. Prod., submitted
761. George R. Pettit, Noeleen Melody, and Jean-Charles Chapuis, "The Quinstatins Path to Antibody Drug Conjugates". J. Nat. Prod., submitted
760. L. C. Crews, R. K. Pettit, G. R. Pettit, R. W. Roberson, "The Effects of 1-(3', 4', 5'-Trimethoxyphenyl)-2-Nitro-Ethylene on Cell Growth and the Microtubule Cytoskeleton of *Aspergillus nidulans*," Mycopath, Submitted.
759. Y. Chen, S. Xu, C. Matei, A. A. Alfieri, G. R. Pettit, G. K. Schwartz, and J. A. Koutcher, "The Effect of Combretastatin A-4 Phosphate Prodrug on Tumor Metabolism and Response in Combination with Mitomycin C or Radiation Against Murine Mammary and R1F-1 Cancer," Clin. Cancer Res., Submitted.
758. Y. Kamano, H. Hashima, H-P. Zhang, H. Hiriade, A. Yamashita, T. Nogawa, H. Kizu, K. Komeyama, M. Hayashi, and G. R. Pettit, "Isolation and Structure of Lutamides A-C: New - Phenylethylamides from the Marine Bryozoan *Amathia convoluta*," J. Nat. Prod., in preparation.
757. J. K. Srirangam, G. R. Pettit, D. L. Herald, and M. D. Williams, "Conformational Analysis of the Marine Sponge Cycloheptapeptide Stylopeptide 1 and comparison with other Cyclic Heptapeptides," in preparation.

Published Papers

756. George R. Pettit, Noeleen Melody, and Jean-Charles Chapuis, "Antineoplastic Agents 603. Quinstatins. Exceptional Cancer Cell Growth Inhibitors", J. Nat. Prod., 80, 692-698, (2017). **ACS editors' choice award paper. Invited for special issue in honor of Phil Crews**
755. George R. Pettit, Qinghua Ye, John C. Knight, Fiona Hogan, Noeleen Melody, Venugopal J.R.V. Mukku, Dennis L. Doubek, and Jean-Charles Chapuis, "Isolation and Structure of Cancer Cell Growth Inhibitory Tetracyclic Triterpenes from the Zimbabwean *Monadenium lugardae* (Euphorbiaceae)<sup>1a</sup>," J. Nat. Prod., 79, 1598-1603 (2016)
754. G. R. Pettit, J. D. Searcy, R. Tan, G. M. Cragg, Noeleen Melody, J. C. Knight, and J.-C. Chapuis, "Antineoplastic Agents. 585. Isolation of *Bridelia ferruginea* Anticancer Podophyllotoxins leading to the Synthesis of 4-Aza-Podophyllotoxin Structural Modifications," J. Nat. Prod., 79, 507-518 (2016) **Invited for special issue in honor of John Blunt and Murray Munro**

753. Pettit, George; Xu, Jun-Ping; Chapuis, Jean-Charles and Melody, Noeleen "The Cephalostatins 24. Isolation, Structure and Cancer Cell Growth Inhibition of Cephalostatin 20", J. Nat. Prod., 78(6), 1446-1450 (2015)
752. G. R. Pettit, B. R. Moser, D. L. Herald, J. C. Knight, J-C Chapuis, X. Zheng "The Cephalostatins 23. Conversion of Hecogenin to a Steroidal 1,6-Dioxaspiro[5,5]-nonane Synthone for Combretastatin 1," J. Nat. Prod., **78(5)**, 1067-1072 (2015)
751. Noemi Kedei, Matthew B. Kraft, Gary E. Keck, Cherry Herald, Noeleen Melody, George R. Pettit, Peter M. Blumberg; "Neristatin 1 Provides Critical Insight into Bryostatin 1 Structure-Function Relationships"; Journal of Natural Products , **78(4)**, 896-900 (2015)
750. Pettit, George; Arce, Pablo; Chapuis, Jean-Charles; Macdonald, Christian "Antineoplastic Agents 600. From the South Pacific Ocean to the Silstatins", J. Nat. Prod., **78(3)**, 510-523 (2015)
749. George R. Pettit,\* Thomas H. Smith, Pablo Arce, Erik J. Flahive, Collin R. Anderson, Jean-Charles Chapuis, Jun-Ping Xu, Thomas Groy, Paul E. Belcher, Christian Macdonald "Antineoplastic Agents 599. Total Synthesis of Dolastatin 16", J. Nat. Prod., **78(3)**, 476-485 (2015) **Invited for March 2015 JNP special issue**
748. George R. Pettit,\* Rui Tan, Robin K. Pettit, Dennis L. Doubek, Jean-Charles Chapuis, Christine Weber, "Antineoplastic Agents 596. Isolation and Structure of Chromomycin A5 From a Beaufort Sea Microorganism<sup>1</sup>," RSC Advances, 5(12), 9116-9122 (2015)
747. Pettit, George; Melody, Noeleen; Hempenstall, Frank; Chapuis, Jean-Charles; Groy, Thomas; Williams, Lee "Antineoplastic Agents. 595. Structural Modifications of Betulin and the X-ray Crystal Structure of an Unusual Betulin Amine Dimer.1a," J. Nat. Prod., 77(4), 863-872 (2014)
746. Hadimani, Mallinath; MacDonough, Matthew; Strecker, Tracy; Lopez, Ramona; Sriram, Madhavi; Nguyen, Benson; Kessler, Raymond; Ghatak, Anjan; Shirali, Anupama; Liu, Li; Garner, Charles; Pettit, George; Hamel, Ernest; Chaplin, David; Mason, Ralph; Trawick, Mary Lynn; Pinney, Kevin "Synthesis of a 2-Aryl-3-Aroyl-Indole Salt (OXi8007) Resembling Combretastatin A-4 with Application as a Vascular Disrupting Agent" J. Nat. Prod., 76(9), 1668-1678 (2013)
745. G. R. Pettit, Y. Tang, Q. Zhang, G. T. Bourne, F. Hogan, C. Arm, J. C. Knight, R. K. Pettit, J-C. Chapuis, D. Doubek, F. Ward and J. N. A. Hooper, "Isolation and Structure of Axistatins 1-3 from the Republic of Palau Marine Sponge *Agelas axifera*," J. Nat. Prod., 76(3), 420-424, (2013)
744. G. R. Pettit, B. R. Moser, R. F. Mendonca, J. C. Knight, F. Hogan "The Cephalostatins 22. Synthesis of a Bis-steroidal Pyrazine Pyrones. J. Nat. Prod., 75(6) 1063-1069, (2012)
743. G. R. Pettit, H. J. Rosenberg, R. Dixon, J. C. Knight, E. Hamel, J-C. Chapuis, R. K. Pettit, F. Hogan, B. Sumner, K. B. Ain, and B. B. Trickey-Platt, "Antineoplastic Agents 548. Synthesis of Iodo- and Di-iodocomstatin Phosphate Prodrugs," J. Nat. Prod., 75, 385-393, (2012).



742. G. R. Pettit, G.-H. Bao, N. Melody, R. Tan, D. L. Doubek, S. Gao, and L. Williams, "Antineoplastic Agents. 587. Isolation and Structure of 3-Epipancreatistatin from *Narcissus v. Ice Follies*," *J. Nat. Prod.*, **75**, 771-773 (2012).
741. J. S. Park, M. M. Asuncion, J. R. Aspe, G. R. Pettit, N. R. Wall. "Auristatin Drugs Decrease Long-Term Survivin Levels and Induce Apoptosis in Human Pancreatic Cancer (Panc-1) Cells." *J. Invest. Med.* **60** 148-149 (2012).
740. Cheri Lubahn, Jill A. Schaller, Eric Shewmacker, Carlo Wood, Denise L. Bellinger, Donna Byron, Noeleen Melody, George R. Pettit, and Dianne Lorton, "Preclinical Efficacy of Sodium Narcistatin to Reduce Inflammation and Joint Destruction in Rats With Adjuvant-Induced Arthritis," *Rheumataology International*, **32**(12), 3751-3760, (2012)
739. G. R. Pettit, R. F. Mendonca, J. C. Knight, and R. K. Pettit, "The Cephalostatins 21. Synthesis of Bis-steriodal Pyrazine Rhamnorides," *J. Nat. Prod.*, **74**, 922-1930 (2011).
738. R. Tanpure, N. Rajendra, B. Nguyen, T. Trecker, S. Aguirre, S. Sharma, D. J. Chaplin, B. Siim, E. Hamel, J. Lippert, G. R. Pettit, M. L. Trawick, and K. G. Pinney, "Regioselective Synthesis of a Water Soluble Monophosphate Derivatives of Combretastatin A-1," *J. Nat. Prod.*, **74**, 1568-1574 (2011).
737. G. R. Pettit, T. H. Smith, J.-P. Xu, D. L. Herald, E. J. Flahive, C. R. Anderson, P. E. Belcher, J. C. Knight, "Antineoplastic Agents. 590. X-ray Crystal Structure of Dolastatin 16 and Syntheses of the Dolamethylleuine and Dolaphenvaline Units," *J. Nat. Prod.* **74**, 1003-1008 (2011).
736. G. R. Pettit, F. Hogan, S. Toms, "Antineoplastic Agents. 592. Highly Effective Cancer Cell Growth Inhibitory Structural Modifications of Dolastatin 10. *J. Nat. Prod.* **74**, 962-968 (2011).
735. R. Bai, T. L. Nguyen, J. C. Burnett, O. Atasoylu, M. H. G. Munro, G. R. Pettit, A. B. Smith, R. Gussio, and E. Hamel, "Interactions of Halichondrin B and Eribulin with Tubulin," *J. Chem. Information and Modeling*, **51**, 1393-1404 (2011).
734. D. Abi-Ghanem, X. Lai, L. R. Bergman, D. Horvat, J. Li, D. Romo, M. N. Uddin, Y. Kamano, T. Nogawa, J-P. Xu, G. R. Pettit, and J. B. Puschett, "A chemifluoriscent immunoassay for the determination of marinobufagenin in body fluids. *J. Immunoassay & Immunochemistry* **32**, 31-46 (2011).
733. G. R. Pettit, Y. Meng, R. K. Pettit, D. L. Herald, and Z. A. Cichacz, "Antineoplastic Agents 582. Isolation and Structure of a Cyclobutane-type Sesquiterpene Cancer Cell Growth Inhibitor from *Coprinus cinereus*," *Bioorg. Med. Chem.*, **18**, 4879-4883 (2010).
732. R. K. Pettit, G. R. Pettit, J.-P. Xu, C. A. Weber, and L. Richert, "Isolation of Human Cancer Cell Growth Inhibitory, Antimicrobial Lateritin from a Mixed Fungal Culture," *Planta Medica*, **76**, 500-501 (2010).
731. E. M. Prokopiou, P. A. Cooper, G. R. Pettit, M. C. Bibby, and S. D. Shnyder, "Potentiation of the Activity of Cisplatin in a Human Colon

- Tumor Xenograft Model by Auristatin PYE, a Structural Modification of Dolastatin 10," Mol. Med. Rep., **3**, 309-313 (2010).
730. G. R. Pettit, Q. Ye, D. L. Herald, F. Hogan, and R. K. Pettit, "Antineoplastic Agents 573. Isolation and Structure of Papilistatin from the Papilionid Butterfly *Byasa polyseuctas* Termessa," J. Nat. Prod., **73**, 164-166 (2010).
729. G. R. Pettit, M. D. Minardi, F. Hogan, and P. M. Price, "An Efficient Synthetic Strategy for Obtaining 4.-Methoxy Carbon Isotope Labelled Combretastatin A-4 Phosphate and Other Z-Combretastatins," J. Nat. Prod., **73**, 399-403 (2010).
728. G. R. Pettit, Y. Meng, R. K. Pettit, D. L. Herald, Z. A. Cichacz, D. L. Doubek, and L. Richert, "Antineoplastic Agents. 556. Isolation and Structure of Coprinastatin 1 from *Coprinus cinereus*," J. Nat. Prod., **73**, 388-392 (2010).
727. X. Zheng, J. Du, Y. Xu, D. Liao, and G. R. Pettit, "Cytotoxic Lipid Esters from *Peucedanum ledebourilloides*," Med. Chem. Res., published on-line April 23, (2010).
726. R. K. Pettit, C. A. Weber, and G. R. Pettit, "Application of a High Throughput Alamar Blue Biofilm Susceptibility Assay to *Staphylococcus aureus* Biofilms. Ann. Clin. Microbiol. Antimicrob., **8**, no pps. (2009).
725. R. K. Pettit, C. A. Weber, S. B. Lawrence, G. R. Pettit, M. J. Kean, G. D. Cage, "In Vivo Activity of Anprocide Alone, and In Vitro Activity in Combination With Conventional antibiotics Against *Staphylococcus aureus* and *S. epidermidis* Biofilms," J. Med. Microb., **58**, 1203-1206 (2009).
724. G. R. Pettit, N. Melody, A. Thornhill, J. C. Knight, T. L. Groy, and C. L. Herald, "Antineoplastic Agents 579. Synthesis and Cancer cell Growth Evaluation of *E*-Stilstatin 3, a Resveratrol Structural Modification. J. Nat. Prod., **72**, 1637-1642 (2009).
723. R. K. Pettit, G. R. Pettit, E. Hamel, F. Hogan, B. R. Moser, S. Wolf, S. Pon, J.-C. Chapuis, and J. M. Schmidt, "*E*-Combretastatin and *E*-Resveratrol Structural Modifications: Antimicrobial and Cancer Cell Growth Inhibitory  $\beta$ -*E*-Nitrostyrenes, Bioorg. Med. Chem., **17**, 6606-6612 (2009).
722. G.R. Pettit, S. Ducki, S.A. Eastham, and N. Melody, "Antineoplastic Agents 454. Synthesis of the Strong Cancer Cell Growth Inhibitors *trans*-Dihydronarciclasine and 7-Deoxy-*trans*-dihydronarciclasine," J. Nat. Prod., **72**, 1279-1282 (2009).
721. L. Padmaja, C. Ravikumar, D. Sajjan, I. Hubert Joe, V. S. Jayakumar, G. R. Pettit, and O. Faurskov Nielsen, "Density Functional Study on the Structural Conformations and Intramolecular Charge Transfer from the Vibrational Spectra of the Anticancer Drug Combretastatin-A2." J. Raman Spectrosc., **40**, 419-428 (2009).
720. G. R. Pettit, J. Du, R. K. Pettit, J. C. Knight, and D. L. Doubek, "Antineoplastic Agents. 575. The Fungus *Aspergillus phoenicis*," Heterocycles, **79**, 909-916 (2009).

719. G. R. Pettit, P. D. Quistorf, J. A. Fry, D. L. Herald, E. Hamel, and J-C. Chapuis, "Antineoplastic Agents 565. Synthesis of Combretastatin D-2 Phosphate and Dihydro-combretastatin D-2," J. Nat. Prod., **72**, 876-883 (2009).
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