Planning Commission

secristj@aol.com
Sent: Thursday, January 07, 2016 10:16 AM
To: Howard Fink
Attachments: Secrist CV July 2015.docx (60 KB)

Mr. Fink:

I sent you a brief note last week indicating a willingness to serve on the PC, but also indicating that I had not previously served on any such body. I provide a CV here, to demonstrate that I h ave served on many other committees, from local to international. I do have sufficient time, since I am now retired from my scientific career, to devote to doing a proper and thorough job. As I noted last time, if there is any interest, I can come in just for a visit. Thanks.

Jack Secrist

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SECRIST, JOHN A., III

President and CEO, Emeritus
Southern Research Institute

Education

University of Michigan, Ann Arbor, MI	Chemistry, B.S., 1968
University of Illinois, Urbana, IL	Organic Chemistry, N. J. Leonard, Ph.D., 1972
Harvard University, Cambridge, MA	Postdoctoral, E. J. Corey, 1972-1973

Professional Positions

NIH Predoctoral Fellow, University of Illinois	1969-1972
NIH Postdoctoral Fellow, Harvard University	1972-1973
Ohio State University, Columbus, OH, Asst Professor of Chemistry	1973-1979
Southern Research Institute, Birmingham, AL	
Senior Chemist	1979-1980
Head, Bio-Organic Section	1980-1984
Associate Research Director	1984-1986
Research Director, Organic Chemistry Department	1986-1990
Vice President, Organic Chemistry Research	1990-1993
Executive Vice President	1990-1997
Chief Operating Officer	1992-1997
Vice President and Scientific Director, Life Sciences	1997-1998
Vice President, Drug Development Division	2000-2003
Vice President, Drug Discovery Division	1998-2007
President and CEO	2006-2013
President and CEO Emeritus	2013- date

Experience

Dr. Secrist is currently the President and Chief Executive Officer Emeritus of Southern Research Institute. Dr. Secrist joined the staff of Southern Research Institute in 1979, and he has been involved with drug discovery research since that time. He has focused mainly on the development of new anticancer, antiviral and antibacterial agents, largely through support from the National Institutes of Health. He has served on many NIH study sections, including serving as the chair of one of the AIDS-related panels for several years. He has also served regularly as a chair for Army prostate and breast cancer panels. He is on the Editorial Advisory Boards of several journals, is Executive Editor of *Nucleosides, Nucleotides & Nucleic Acids* and serves as a consultant or member of the Scientific Advisory Board of several companies. During 2003-2004 Dr. Secrist served as the President of the International Society for Nucleosides, Nucleotides & Nucleic Acids. During 2004-2006 Dr. Secrist served as the President of the International Society for Antiviral Research and served as the immediate Past-President of the Society during 2006-2008. At SRI, Dr. Secrist has been involved with the initiation of two startup companies derived from Institute technology. He has published over 160 papers and holds over 60 patents. He holds several appointments at the University of Alabama at Birmingham. He has been an invited lecturer at many universities, companies, and meetings around the world. The anti-cancer drug clofarabine, of which Dr. Secrist is co-inventor with Dr. John Montgomery, was approved by the FDA at the end of 2004.

Awards

Nominated for Alumni Awards for Distinguished Teaching several times, Ohio State University.

Finalist for the Colleges of the Arts and Sciences Distinguished Teaching Award, 1976, Ohio State University.

Recipient of the Colleges of the Arts and Sciences Distinguished Teaching Award, 1977, Ohio State University.

Sigma Xi Award, 1972, University of Illinois.

Recipient of the Montgomery Award from the International Society for Nucleosides, Nucleotides & Nucleic Acids, 2006.

AAAS Fellow, elected 2013.

Membership, Professional Society

International Society for Nucleosides, Nucleotides & Nucleic Acids,	
Co-Founder, President-Elect	2000-2002
President	2003-2004
Past President	2005-2006
Board of Directors	2007-2008
Member, Advisory Committee	2008-2010
International Society for Antiviral Research,	
Treasurer	1994-2002
President-Elect	2002-2004
President	2004-2006
Past President	2006-2008
American Association for Cancer Research	
Member, Chemistry in Cancer Research Committee	2000-2008
Member, AACR Exhibit Committee	2001-2004
American Chemical Society	
National Committees	
Organic Subcommittee of the ACS Examinations Committee, Member	1975-77, 1979-81, 1983-86, 1989-91, 1992-94
Smissman Award Nominating Committee, Medicinal Chemistry Division, ACS, Member	1984
Awards Committee, Medicinal Chemistry Division, ACS, Member	1984-1985
ACS Nomenclature Committee, Member	1986- date
ACS Nomenclature Committee, Chairman	1994-1997
Local Committees	
Columbus, Ohio Section – served on or chaired several committees	1974-1978
Alabama Section – served on or chaired several committees	1981-1983
Royal Society of Chemistry	
American Association for the Advancement of Science	

Professional Activities

Executive Editor, *Nucleosides, Nucleotides & Nucleic Acids,* (formerly *Nucleosides & Nucleotides*)	1982- date
NIH Bio-organic and Natural Products Study Section, Ad Hoc Member	1983
NIH Medicinal Chemistry Study Section, Ad Hoc Member	1986
NIH Experimental Therapeutics Study Section, AIDS & Related Research Group, Ad Hoc Member	1986-1990
NIH AIDS and Related Research Study Section, Member	1990-1994
NIH AIDS and Related Research Study Section, Chairman	1990-1992
NIH Review Panels, Frequent Ad Hoc Member	1992-2006
U.S. Army Breast Cancer Panel, Member	1996, 1997
U.S. Army Breast Cancer Panel, Chairman	2000, 2001, 2006, 2008, 2009
U.S. Army Prostate Cancer Panel, Chairman	1998, 1999, 2001
U.S. Army Prostate Cancer Panel, Member	2000
Editorial Advisory Board, *Journal of Medicinal Chemistry*	1990-1995
Editorial Advisory Board, *Antiviral Research*	1992- date
Editorial Advisory Board, *Antiviral Chemistry and Chemotherapy*	1995- date
Editorial Advisory Board, *Current Opinions in Oncologic, Endocrine, and Metabolic Drugs*	1998-2002
Editorial Advisory Board, *Future Virology*	2005- date
Board of Alabama Coalition for Mathematics	1992-1998
Member, Scientific Advisory Board, ViraChem, Inc.	1990-1994
Member, Scientific Advisory Board, Teknagen, Inc.	1995-2000

Member, Scientific Advisory Board, PNP Therapeutics, Inc.	2001- date
Member, Auburn University Research Advisory Board	2009- date
Consultant, Gensia Pharmaceuticals, Inc.	1992-1996
Consultant, BioCryst Pharmaceutical Co.	1997-2006
Consultant, Ash Stephens, Inc.	2014- date
Member, Board of Directors, Southern Biosystems, Inc.	1992-1997
Member, Board of Directors, Brookwood Pharmaceuticals, Inc.	2005-2007
Adjunct Scientist, University of Alabama at Birmingham Comprehensive Cancer Center	
Adjunct Scientist, University of Alabama at Birmingham Center for AIDS Research	
Adjunct Professor, University of Alabama at Birmingham Department of Chemistry	

U. S. and World Patents

1. Barrio, J. R.; Dammann, L. G.; Leonard, N. J.; **Secrist, J. A. III.** Fluorescent Derivatives of Cytosine-Containing Compounds. *U. S. Patent* 3,893,998 (1975).

2. Barrio, J. R.; Leonard, N. J.; **Secrist, J. A. III**; Weber, G. Fluorescent Derivatives of Adenine-Containing Compounds. *U. S. Patent* 3,960,840 (1976).

3. **Secrist, J. A. III.** New 5′-Deoxy-5′-Substituted Adenosine Compounds are Inhibitors of *S*-Adenosylmethionine Decarboxylase Useful as Antiviral, Antiparasitic and Anticancer Agents. *U. S. Patent* 4,794,174 (1988).

4. Ealick, S. E.; Erion, M. D.; Guida, W. C.; Montgomery, J. A.; Niwas, S.; **Secrist, J. A. III.** 2-Amino-7-(pyridinylmethyl)-3*H*,5*H*-pyrrolo[3,2-*d*]pyrimidin-4-ones – Derivatives as Purine Nucleoside Phosphorylase and T-cell Inhibitors and for Potentiator of Antiviral or Antitumor Nucleoside(s). *U. S. Patent* 4,985,433 (1991).

5. Ealick, S. E.; Erion, M. D.; Guida, W. C.; Montgomery, J. A.; Niwas, S.; **Secrist, J. A. III.** New 2-Amino-7-cyclohex(en)yl-3*H*,5*H*-pyrrolo (3,2-*d*)-pyrimidine-4-one(s) Used to Suppress T-cell Function Selectively Without Diminishing Humoral Immunity, for Treating Auto-immune Diseases and AIDS. *U. S. Patent* 4,985,434 (1991).

6. Ealick, S. E.; Erion, M. D.; Guida, W. C.; Montgomery, J. A.; Niwas, S.; **Secrist, J. A. III** New 2-Amino-7-(alicyclomethyl)-3*H*,5*H*-pyrrolo[3,2-*d*]pyrimidin-4-one(s) are Purine Phosphorylase Inhibitors Which Selectively Suppress T-cell Function, for Treating Auto-immune Diseases, etc. *U. S. Patent* 5,008,265 (1991).

7. Ealick, S. E.; Erion, M. D.; Guida, W. C.; Montgomery, J. A.; Niwas, S.; **Secrist, J. A. III.** New 2-Amino-7-(heterocyclomethyl)-3*H*,5*H*-pyrrolo[3,2-*d*]pyrimidin-4-one(s) are Purine Nucleoside Phosphorylase Inhibitors Which Selectively Suppress T-cell function, for Treating Auto-immune Diseases. *U. S. Patent* 5,008,270 (1991).

8. Montgomery, J. A.; **Secrist, J. A. III.** New 2-Halo-9-(arabinofuranosyl)adenine Nucleoside Derivatives Having Anticancer Activity Used to Treat For Example Chronic Lymphocyte Leukemia. *World Patent* 9,014,352 (1990). *U. S. Patent* 5,034,518 (1991).

9. Montgomery, J. A.; **Secrist, J. A. III.** New 2′-Deoxy-4′-thio ribonucleoside(s) Useful as Antiviral and Anticancer Agents. *World Patent* 9,104,033 (1991).

10. Ealick, S. E.; Erion, M. D.; Guida, W. C.; Montgomery, J. A.; Niwas, S.; **Secrist, J. A. III.** 7-Substituted-3*H*,5*H*-Pyrrolo[3,2-*d*]pyrimidine-4-one Derivatives are Inhibitors of Purine Nucleoside Phosphorylase and are Used in Anticancer and Antiviral Treatment. *World Patent* 9,106,548 (1991).

11. Krauth, C. A.; Montgomery, J. A.; **Secrist, J. A. III.** New Substituted 1-(Benzyloxy)-adenosine Derivatives – Are Used for Treating Vaccinia Virus Infections. *U. S. Patent* 5,102,873 (1992).

12. Montgomery, J. A.; **Secrist, J. A. III.** New 2′,3′-Dideoxy-4′-thio ribonucleoside Derivatives Used for Treating HIV Infection and Inhibiting Cytopathogenic Effects Induced by HIV Virus. *World Patent* 9,116,333 (1991). *U. S. Patent* 5,128,458 (1992).

13. Ealick, S. E.; Erion, M. D.; Guida, W. C.; Montgomery, J. A.; Niwas, S.; **Secrist, J. A. III.** New Pyrrolo[3,2-*d*]pyrimidine Derivatives are Purine Nucleoside Phosphorylase Inhibitors Useful for the Suppression of T-Cell Immunity. *U. S. Patent* 5,189,039 (1993).

14. Montgomery, J. A.; **Secrist, J. A. III.** Antiviral Compounds Containing Carbocyclic 3-deaza-adenosine or Derivative with One Stereoisomer in Excess, Having Stronger Activity than Racemate, Active Against RNA Virus Especially Parainfluenza, Rotavirus and Respiratory Syncytial Virus. *World Patent* 9,418,971 (1994).

15. Montgomery, J. A.; **Secrist, J. A. III.** New 2′,3′-Di Deoxy-4-thio-ribonucleoside(s) – Useful as Antiviral Agents, exp Against HIV. *World Patent* 9,511,685 (1995). *U. S. Patent* 5,478,928 (1995).

16. Maddry, J. A.; Reynolds, R. C.; **Secrist, J. A. III**; Montgomery, J. A. Polynucleotide Analogs Containing Sulfonate and Sulfonamide Internucleoside Linkages – Used as Antisense Agents, Chemotherapeutic Agents, Antiparasitics Targeted Against Other Organisms and Molecular Biological, Biochemical or Genetic Probes. *U. S. Patent* 5,561,225 (1996).

17. Ealick, S. E.; Erion, M. D.; Montgomery, J. A.; **Secrist, J. A. III.** Deazaguanine Derivatives Preparation – Used for Inhibiting Purine Nucleoside Phosphorylase in Treatment of Auto-Immune Disorders, Transplant Rejection, Psoriasis and Gout. *World Patent* 9,010,631 (1990). *U. S. Patent* 5,565,463 (1996).

18. Montgomery, J. A.; **Secrist, J. A. III.** New 2′-Deoxy-4′-thio Ribonucleoside Compounds – Are Useful as Antiviral and Anticancer Agents. *U. S. Patent* 5,591,722 (1997).

19. Montgomery, J. A.; **Secrist, J. A. III.** New 2′-Fluoro-2-substituted Adenine Arabinoside(s) – Are Anticancer Agents Which Inhibit Ribonucleotide Reductase and DNA Polymerase. *World Patent* 9,220,347 (1992). *U. S. Patent* 5,661,136 (1997).

20. Jacobson, K. A.; Jeong, H. K.; Johnson, C. R.; **Secrist, J. A. III**; Siddiqi, S. M.; Tiwari, K. N. New Substituted Adenine Derivatives – Are A_3 Adenosine Receptor Agonists, Useful for Treating e.g. Inflammatory Disorders, Cardiac Disorders, Neurological Disorders. *U. S. Patent* 5,688,774 (1997).

21. **Secrist, J. A. III**; Erion, M. D.; Montgomery, J. A.; Ealick, S. E. 9-Substituted-8-Unsubstituted-9-Deazaguanines. *U. S. Patent* 5,721,240 (1998).

22. Ealick, S. E.; Erion, M. D.; Guida, W. C.; Montgomery, J. A.; Niwas, S.; **Secrist, J. A. III.** New Purine Nucleoside Phosphorylase Inhibitors – Are (3,2-D)Pyrimidine Compounds Used to Treat Auto-immune Disease, Transplant Rejection, Psoriasis, etc. and to Inhibit Destruction of Other Pharmaceuticals. *World Patent* 9,321,187 (1993). *U. S. Patent* 5,726,311 (1998).

23. Bennett, L. L.; Montgomery, J. A.; Parker, W. B.; Scheer, D. I.; **Secrist, J. A. III**; Shealy, Y. F.; New Carbocyclic Deoxy-guanosine Analogs to Treat Viral Infections – Comprise D-stereoisomer of Carbocyclic 2′-Deoxy-guanosine to Treat Herpes Simplex Viruses (I) and (II), Cytomegalovirus and Hepatitis B. *World Patent* 9,418,979 (1994). *U. S. Patent* 6,001,840 (1999).

24. Blatter, H. M.; Kahn, D. R.; Piper, J. R.; **Secrist, J. A. III**; Struck, R. F.; Temple, C. Prevention or Treatment of Acute Allograft Rejection Comprises Administration of Cyclohexane or Piperidine Derivative. *U. S. Patent* 6,503,948 (2003).

25. **Secrist, J. A. III**; Tiwari, K.N.; Montgomery, J. A. Preparation of Thioarabinofuranosyl Compounds and Use Thereof. *U. S. Patent* 6,576,621 (2003).

26. Montgomery, J. A.; **Secrist, J. A. III**; Tiwari, K. N. Treating Cancers, e.g. Melanoma, Prostate, Mammary, Renal, Colon and Lung Cancer, Leukemias and Lymphomas by Administering DNA Replication Inhibitor. *U. S. Patent* 6,870,052 (2005).

27. Montgomery, J. A.; **Secrist, J. A. III**; Tiwari, K. N. New 4′-Thio-L-xylofuranosyl Nucleoside Derivatives Useful as Anticancer and Antiviral Agents. *U. S. Patent* 6,914,061 (2005).

28. Fowler, A. T.; Montgomery, J. A.; **Secrist, J. A. III**. Preparation of 2-Chloro-9-(2-deoxy-2-fluoro-β-D-arabinofuranosyl)-9*H*-purin-6-amine, Used as Chemotherapeutic Agent by Reacting 2-Chloro-6-alkoxypurine Nucleoside with Ammonia. *U. S. Patent* 6,949,640 (2005).

29. Ealick, S. E.; Parker, W. B.; **Secrist, J. A. III**; Sorscher, E. J. Mutant Purine Nucleoside Phosphorylase Proteins and Cellular Delivery Thereof. *U. S. Patent* 7,037,718 (2006).

30. **Secrist, J. A. III**; Tiwari, K. N.; Montgomery, J. A. Preparation of Thioarabinofuranosyl Compounds and Use Thereof. *U. S. Patent* 7,138,385 (2006).

31. **Secrist, J. A. III**; Tiwari, K. N.; Montgomery, J. A. 4′-Thio-L-xylofuranosyl Nucleosides, Precursors Thereof, Preparation and Use Thereof. *U. S. Patent* 7,148,223 (2006).

32. Arasappan, Ashok; Njoroge, George F.; Kwong, Cecil D.; Ananthan, Subramaniam; Bennett, Frank; Clark, Jeremy; Geng, Feng; Girijavallabhan,Vinay M.; Huang, Yuhua; Kezar, Hollis S. III; Maddry, Joseph A.; Reynolds, Robert C.; Roychowdhury, Abhijit; Fowler, Anita T.; **Secrist, John A. III**; Kozlowski, Joseph A.; Shankar, Bandarpalle B.; Tong, Ling; Kim, Seong Heon; MacCoss, Malcolm. Substituted pyridine and pyrimidine derivatives as antiviral agents and their preparation and use in treating viral infections. US 2010-305722P, WO 2011-US25453.

Abstracts

1. **Secrist, J. A. III**; Barrio, J. R.; Leonard, N. J. A Fluorescent ATP for Enzyme Studies. *163rd ACS National Meeting*, Boston, MA, April 9-14, 1972. *Abstr. Pap. Am. Chem. Soc.*, 163, MEDI 28 (1972).

2. **Secrist, J. A. III**; Barrio, J. R.; Leonard, N. J. Fluorescent Modifications of Adenine Containing Coenzymes Representative of Enzyme Studies. *FASEB Meeting*, Atlantic City, 1972. *Fed. Proc.*, 31, 494 (1972).

3. **Secrist, J. A. III**; Wu, S.-R. Generation of Reactivity of an Unstabilized Carbohydrate Phosphorane. *174th ACS National Meeting*, Chicago, IL, August 28-September 2, 1977. *Abstr. Pap. Am. Chem. Soc.*, 174, 4 (1977).

4. **Secrist, J. A. III**; Cook, S. L.; Winter, Jr., W. J. Some Reactions of Nucleoside 4N,5N-Enol Acetates and 4N,5N-Enamines. *174th ACS National Meeting*, Chicago, IL, August 28-September 2, 1977. *Abstr. Pap. Am. Chem. Soc.*, 174, 23 (1977).

5. Cousineau, T. J.; **Secrist, J. A. III**. The Synthesis of Certain Thiazole and Fused-Ring β-D-Ribofuranosyl *C*-Nucleosides. *13th Great Lakes Regional Meeting of the American Chemical Society*, Rockford, IL, June, 1979.

6. **Secrist, J. A. III**; Barnes, K. D. Progress Toward the Synthesis of the Nucleoside Antibiotic Tunicamycin. *Second Chemical Congress of the North American Continent*, San Francisco, CA, August 24-29, 1980. Abstr. Pap. Am. Chem. Soc., 180, CARB 7 (1980).

7. **Secrist, J. A. III**; Shortnacy, A. T.; Montgomery, J. A. 2-Substituted-8-Azaadenosines: Synthesis and Biologic Activity. *183rd ACS National Meeting*, Las Vegas, NV, March 28-April 2, 1982. *Abstr. Pap. Am. Chem. Soc.*, 183, MEDI 74 (1982).

8. **Secrist, J. A. III**; Montgomery, J. A.; Bowdon, B. J.; Bennett, Jr., L. L. 8-Haloadenine Nucleosides: Synthesis and Biologic Activity. *183rd ACS National Meeting*, Las Vegas, NV, March 28-April 2, 1982. *Abstr. Pap. Am. Chem. Soc.*, 183, MEDI 75 (1982).

9. Shortnacy, A. T.; Montgomery, J. A.; **Secrist, J. A. III.** 5N-Substituted-2-Fluoroadenosines as Prodrugs. *34th Southeastern Regional ACS Meeting*, Birmingham, AL, November 3-5, 1982. *Abstr. Pap. Am. Chem. Soc.*, #83, (1982).

10. Clayton, S. D.; Montgomery, J. A.; **Secrist, J. A. III.** Carbocyclic Tubercidin, a Potent Cytotoxic Agent. *34th Southeastern Regional ACS Meeting*, Birmingham, AL, November 3-5, 1982. *Abstr. Pap. Am. Chem. Soc.*, #90, (1982).

11. Savarese, T. M.; Parks, R. E.; **Secrist, J. A. III**; Montgomery, J. A. Action of Novel 2-Fluoroadenine-Substituted Analogs of 5N-Deoxy-5N-methylthioadenosine (MTA). 74th Meeting of the American Association for Cancer Research, San Diego, CA, May 25-28, 1983. *Proc. Am. Assoc. Cancer Res.*, 24, 298 (1983).

12. Huang, M. C.; Avery, T. L.; Montgomery, J. A.; **Secrist, J. A. III**; Blakley, R. L. Cytocidal Activities of 2-Bromo-2N-Deoxyadenosine in Cultured Human-Leukemic Cells and Its Therapeutic Performance Against L1210 Leukemia in Mice. *74th Meeting of the American Association for Cancer Research*, San Diego, CA, May 25-28, 1983. *Proc. Am. Assoc. Cancer Res.*, 24, 302 (1983).

13. Huang, M. C.; Koob, R.; Avery, T. L.; Blakley, R. L.; Montgomery, J. A.; **Secrist, J. A. III**. An Improved Synthesis and Mode of Action of 2-Bromo-2N-deoxyadenosine. *75th Meeting of the American Association for Cancer Research*, Toronto, Ontario, Canada, May 9-12, 1984. *Proc. Am. Assoc. Cancer Res.*, 25, 346 (1984).

14. Bennett, Jr., L. L.; Chang, C.-H.; Allan, P. W.; Adamson, D. J.; Rose, L. M.; Brockman, R. W.; **Secrist, J. A. III**; Shortnacy, A.; Montgomery, J. A. Metabolism and Metabolic Effects of Halopurine Nucleosides in Tumor Cells in Culture. *6th International Round Table Meeting*, La Grande Motte, France, October 9-12, 1984. *Nucleosides Nucleotides*, 4, 107 (1985).

15. **Secrist, J. A. III**; Shortnacy, A.; Montgomery, J. A. 2-Fluoroformycin and 2-Aminoformycin. Synthesis and Biologic Activity. *190th ACS National Meeting*, Chicago, IL, September 6-12, 1985. *Abstr. Pap. Am. Chem. Soc.*, 190, CARB 34 (1985).

16. Shortnacy, A. T.; **Secrist, J. A. III**; Montgomery, J. A. 2-Halo-9-(2-deoxy-2-Substituted-∃-D-arabinofuranosyl)adenines: Synthesis and Biologic Activity. *37th Southeast/Southwest Regional Meeting*, Memphis, TN, 1985. *Abstr. Pap. Am. Chem. Soc.*, #222 (1985).

17. **Secrist, J. A. III.** The Use of Carbohydrate Ylides in Natural Products Synthesis. *191st ACS National Meeting*, New York, NY, April 13-18, 1986. *Abstr. Pap. Am. Chem. Soc.*, 191, CARB 42 (1986).

18. **Secrist, J. A. III.** New Substrate Analogues as Inhibitors of *S*-Adenosylmethionine Decarboxylase. *7th International Round Table Meeting*, Konstanz, Germany, September 30-October 3, 1986.

19. Madhubala, R.; **Secrist, J. A. III**; Pegg, A. E. Properties of L1210 Cells Resistant to Alpha Difluoromethylornithine DMFO. *78th Annual Meeting of the American Society of Biological Chemists*, Philadelphia, PA, June 7-11, 1987. *Fed. Proc.*, 46, 2254 (1987).

20. **Secrist, J. A. III**; Forrister, W. B.; Moss, III, T. H.; White, E. L.; Shannon, W. M.; Arnett, G.; Pegg, A. E. Inhibitors of *S*-Adenosyl--methionine Decarboxylase. Synthesis and Biological Activity. *194th ACS National Meeting*, New Orleans, LA, August 30-September 4, 1987. *Abstr. Pap. Am. Chem. Soc.*, 194, CARB 13 (1987).

21. Arnett, G.; Rose, L. M.; White, E. L.; Forrister, W. B.; Moss, III, T. H.; Brockman, R. W.; Shannon, W. M.; **Secrist, J. A. III.** New Inhibitors of Polyamine (PA) Biosynthesis and Their Effect on the Replication of Human Cytomegalovirus (HCMV). *2nd International Conference on Antiviral Research*, Williamsburg, VA, April 10-14, 1988. *Antiviral Res.*, 9, 110 (1988).

22. **Secrist, J. A. III.** The Synthesis and Biological Activity of Sugar and Base-Modified Nucleosides. *15th Symposium on Nucleic Acid Chemistry*, Sapporo, Japan, September 19-21, 1988. *Nucleic Acids Symposium Series No. 20*, 37-38 (1988).

23. Shortnacy, A. T.; Montgomery, J. A.; **Secrist, J. A. III**. 8-Substituted Purine Ribosides: Synthesis and Biological Activity. *8th International Round Table Meeting*, Orange Beach, AL, October 2-5, 1988. *Nucleosides Nucleotides*, 5/6, 911-913 (1989).

24. Krauth, C. A.; Shortnacy, A. T.; Montgomery, J. A.; **Secrist, J. A. III.** Synthesis and Antiviral Evaluation of Adenosine-N^1-oxide and 1-(Benzyloxy) Adenosines. *8th International Round Table Meeting*, Orange Beach, AL, October 2-5, 1988. *Nucleosides Nucleotides*, 5/6, 915-917 (1989).

25. Riggs, R. M.; Comber, R. N.; Montgomery, J. A.; **Secrist, J. A. III**; Leeds, J. M.; Chaffee, S.; Hershfield, M. S. Phosphate Modified Analogues of 5N-*O*-Phosphorylated 2N,3N-Dideoxy-nucleosides: Synthesis and Anti-HIV Activity. *8th International Round Table Meeting*, Orange Beach, AL, October 2-5, 1988. *Nucleosides Nucleotides*, 5/6, 1119-1120 (1989).

26. Elliott, R. D.; Niwas, S.; Montgomery, J. A.; **Secrist, J. A. III.** Progress in the Synthesis of a Potential PNP Transition State Inhibitor. *8th International Round Table Meeting*, Orange Beach, AL, October 2-5, 1988. *Nucleosides Nucleotides*, 5/6, 1103-1105 (1989).

27. **Secrist, J. A. III**; Brash, R. M.; Gray, R. J.; Comber, R. N.; Montgomery, J. A. Synthesis of 5N-Substituted Analogues of Carbocyclic 3-Deazaadenosine as Potential Antivirals. *8th International Round Table Meeting*, Orange Beach, AL, October 2-5, 1988. *Nucleosides Nucleotides*, 5/6, 1153-1154 (1989).

28. **Secrist, J. A. III**; Montgomery, J. A. Analogs of Fludarabine Resistant to Metabolic Cleavage. *8th Meeting of the American Association for Cancer Research*, San Francisco, CA, May 24-27, 1989. *Proc. Am. Assoc. Cancer Res.*, 30, 593 (1989).

29. Arnett, G.; Kirkman, R. L.; Toyer, B. R.; Hollingshead, M. G.; Krauth, C. A.; **Secrist, J. A. III**; Shannon, W. M.; Huggins, J. H. Evaluation of Compounds for Activity Against Vaccinia Virus *In Vitro* and *In Vivo*. *29th Interscience Conference on Antimicrobial Agents and Chemotherapy*, Houston, TX, September 17-20, 1989.

30. **Secrist, J. A. III.** Nomenclature of Variant Proteins. *International Chemical Congress of Pacific Basin Societies*, Honolulu, HI, December 17-22, 1989.

31. Tiwari, K. N.; **Secrist, J. A. III**; Montgomery, J. A. Synthesis and Biological Activity of 2N-

Deoxy-4N-thionucleosides. *199th ACS National Meeting*, Boston, MA, April 22-27, 1990. *Abstr. Pap. Am. Chem. Soc.*, 199, MEDI 25 (1990).

32. **Secrist, J. A. III**; Riggs, R. M.; Tiwari, K. N.; Shannon, W. M.; Kahlon, J. B.; Montgomery, J. A. Synthesis and Anti-HIV Activity of 2N,3N-Dideoxy-4N-thionucleosides. *Third International Conference on Antiviral Research*, Brussels, Belgium, April 22-27, 1990. *Antiviral Res., Suppl. 1*, 48 (1990).

33. Fridland, A.; Bondoc, L.; Shannon, W. M.; **Secrist, J. A. III**; Vince, R. Studies of the Cellular Pharmacology of the Carbocyclic Guanosine Analog Carbovir, an Inhibitor of the Human Immunodeficiency Virus. *Third International Conference on Antiviral Research*, Brussels, Belgium, April 22-27, 1990. *Antiviral Res., Suppl. 1*, 73 (1990).

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