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Liberal Arts and Sciences

School of Chemical Sciences

Kenneth L. Rinehart Papers, 1959-1999

This series contains patent documentation and filings concerning the work of Professor Reinhart on organic chemistry, particularly organic compounds presenting antibacterial, antiviral and antitumor activity.

Box 1

Patent # 4,762,949: Acyl and Carbamimidoyl Alkanediamines, 1976 - 1988

Patent # 4,762,949

UIF/1602

Correspondence about rejection and appeals, 1977, 1981 (3 folders)

Licensing, 1980

Testing Correspondence - Li, Vavra and Hughes

Arcanus Testings, etc

Arcanide Testing- Yorke Samples

G.T. Carter

R.E. Schwartz

M.L. Lieb - B.Sc Thesis

Topics

Arcadines from the marine sponge

Synthesis of Hexahydropolyandrocarpidine

Polyandrocarpidines

Alkanediamine antibacterials

Continuous production of enzyme Hydrolyzed proteins

University of Illinois Policies on intellectual property

Patent # 4,623,644: Acylation of Tirandamycic Streptolic and Sorbic Acids to Cephalosporin and Penicillin Nuclei, 1983 - 1986

Topics

Hybridization of streptolydigin, tirandamycin and sorbic acids to cephalosporin and penicillin nuclei

Microbial growth inhibitors

Patent # 4,084,010: Glycosides Having Sweetness, 1978

Patent # 4,065,384: Graft Thin Layer Chromatography, 1970, 1975-1980

Topics

Graft thin layer chromatography - Technique and apparatus

Chromatography

UIF Serial # 027,285: Organic Halogen Content as a Prediction of Antimicrobial Activity in Marine Organisms (Abandoned 6/81), 1974-1980

Topics

Prediction of antimicrobial activity

Japanese Patent # 859,025: Novel Antibiotics and Preparation Teoref, 1977

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Topics

Novel Antibiotics and Preparation Teoref
Method of making antibiotics containing the Aminocyclitol Subunit

Patent # 4,076,725: Derivatives of Streptovaricin Ansamycins -Application # 646, 966 -Continued of Serial # 328,727, 1965, 1968, 1972-1981

Topics

New biologically active compounds derived by acylation and/or oxidative degradation of Streptovaricin Ansamycin material, pharmaceutical compositions and therapeutic methods involving the same

Antitumor antibiotic

Japanese application process for patent licensing in the U.S

Patent # 4,075,339: Biologically Active Compounds, 1972 - 1978

Topics

Biologically active compounds

Compounds possessing anti-bacterial and anti-viral activity of Formula II

Biologically active Geldanamycin derivatives of Formula III

Distribution of Inventors' or Discoverers' share of patents

Serial # 712,499: Methyl Esters of Polyene Antibiotics -(Abandoned), 1966, 1972 - 1978

Topics

Methyl Esters of Polyene Antibiotics

Methylpartricin - Antibiotic with antimicotic activity

Polyene antibiotics and uses

Derivatives of Polyene Macrolide antibiotics

Esters of Partricin Derivatives

Patent # 3,954,737: Atropisomeric Ansa Ring Compounds, 1973 - 1976

Topics

Biologically Active Compounds

Biologically Active Stereoisomeric forms of Ansa Ring compounds

Quinones and other compounds derived from Streptovaricins as anti-tumor, anti-viral and anti-bacterial agents

Stanford University Licensing Program

Patent # 3,833,556: Hybrimycin Antibiotics and Derivatives, 1959, 1963, 1966, 1970 - 1975

Topics

Hybrimycin antibiotics and derivatives

Process for preparing Zygomycins

Zygomycin a1 and zygomycin a2 and their isolation

Patent # 3,699,383: Methods of Making Antibiotics Containing the Aminocyclitol Subunit, 1949, 1959, 1963 - 1987

Topics

Methods of making Antibiotics containing the Aminocyclitol Subunit

Aminocyclitol Subunit

Antiviral compounds from a Marine Tunicate

Derivatives of streptomycin and method of producing streptomycin derivatives by mutational biosynthesis

2-Deoxystreptomycin

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Antibiotics and methods for obtaining Same
Derivatives of Neomycin, Kanamycin or Paromomycin
Aureomycin and Preparation of same

Box 2

UIU # 2095: Invention Disclosure- Streptomyces Spectabilis, 1994

Topics

Streptomyces Spectabilis

Correspondence regarding application process

Didemnin Extractiory - UpJohn, 1987, 1995

Topics

Didemnin material analysis

Dehydrodidemnin B, 1989 - 1999

Dehydrodidemnin B - 39,263 Epo

Dehydrodidemnin B - PCT Int. Appl. 9104, 985

Dehydrodidemnin B - 41,753. USSN 07/ 884 567

DDB 41,753 - C. USSN 08/ 280 110

DDB 41,753 - C2. USSN 09/182,688

DDB 722,729. AD Little Testing? Mr. J.K. Swiniarski, Kennett S. Loveday

Topics

Dehydrodidemnin - Cyclic Depsipeptide from a tunicate of Ascidiacea Class

Compounds with antiviral, antitumoral, and cytotoxic activities

Novel antiviral and cytotoxic agent

Screening activity on tumor reduction testing several compounds

USSN # 079,089: Fasting Bear Isolate and Method - UI 89034 - Nelson, Miers, Rinehart, 1994, 1997

Topics

Fasting Bear Isolate and Method

Discovery and isolation of a substance called Bear derived Isolate beneficial for use in humans in bone growth, conserving nitrogen, inhibiting protein breakdown and others.

Didemnin Patent Chronology - UI 1709/ UI 92010. Rinehart Didemnin /Nordidemnin, Family of Applications/Patents, 1980-1994, 1999

Topics

Didemnin

US Patent# 5,294,603: Didemnin Derivatives UI 92010, 1993 -1994

Topics

Pharmaceutical compositions containing Didemnins

Acyl Didemnins Immunosuppressive Agents

UI 1709 - 3 Patents: Didemnins A-C, A-E, 1980 - 1993

Isolation of Didemnins

Patent# 4,493,796--Didemnins A, B + C, 42,205 - UI 1709

Patent # 4,548,814—Didemnins 42, 206 - UI 1709

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Patent # 4,782,135--Composition of Matter and Process 41,780 - UI 1709

Patent # 4,950,649--Didemnins and Nordidemnins Antiviral Activity 42,207 - UI 1709

Patent # 5,137,870--Didemnins and Nordidemnins antileukemia

Japanese Patent # 01684261 - UI 1709

European Patent # 48149 - UI 1709

Composition of Matter and Process - In application for licensing, Serial # 461,346

Didemnin Patents: UpJohn - Pharmamar. Transfer Claim

Topics

Isolation of Purified Didemnin A

Didemnin, Composition of matter and process

Use of Didemnins and Nordidemnins to eradicate viruses

Antiviral Peptides from a marine tunicate

Us Patent# 4,948,791: Didemnins X,Y, UIUC 89014, UI 2098, 1989 -1997

40,344 CA, Didemnins X+Y

40,344 JP, Didemnins X+Y

40,344 EPO, Didemnins

40,344, Didemnins X+Y - Foreign Applications

AU Patent # 640130, US Patent 4,948,791/40,344

Patent # 4,948,791 - Correspondence about patent application and amendments, 1989-1990

(Divided in 2 folders)

Topics

Novel Cytotoxic cyclic depsipeptides from the tunicate *Trididemnum solidum*

Acyl Didemnins Immunosuppressive Agents

Didemnin Quantification - May 20, 1995, 1995

Topics

Didemnin Quantification

Spectpmycins - Staley K.L.R, 1989- 1990

Topics

A series of antimicrobial metabolites from *Streptomyces Spectabilis*

UI 1835 Disclosure, Antifungal Acids from Two Marine Sponges, KLR - Phillipson, Shaw, 1983 - 1984

Topics

Antifungal acids from two marine sponges

Release of rights in inventions from UI to other institutions

UI F 1708: Antimicrobial Agent from Marine Sponges, KLR, P.D.Shaw, G.C. Harbour, A.a.

Tymiak, J.B Gloer, 1980 - 1984

Topics

Antimicrobial agent from marine sponges

Box 3

Pharmamar Patent Lists, 1997

Topics

Patent application

Invention Disclosure Forms, Dates not specified

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Topics

Invention disclosure procedures at UI
Blank Forms - Power Attorney, Dates not specified

Eudistomins - UI, 1815, 1982-1990

Patent # 4,631,149: Eudistomins – UI, 1815

EP. Patent 0133 000 - Eudistomins – UI, 1815

Topics

Antiviral eudistomins from a marine tunicate
Leukemia screen testing

Patent # 4,908, 445, March 1990, 1990, 1995

U.S. Patent # 4,866,084: Topsentins, 1986-1995 (Divided in 2 folders)

Topics

Phospholipase A2 Inhibitors
Biologically Active Bisindole alkaloid compounds

U.S. Patent # 4,737,510: Agelas, UI 1928, Patent Appl. Series # 93,819 - R. Saliwanchik, 1971-1976; 1978 -1990; 1992, 1999

UPI 1928 - Patent # 4,737,510, Correspondence, 1992, 1999

References for Agelas Patent - Originals

Agelas Samples

Bristol - Myers RCT (Robert W. Piwonka)

Patent Corrections

U.S. Patent # 4,737,510: Agelas, Correspondence about licensing, Testing reports, invention descriptions (Divided in 3 folders)

Topics

Bioactive metabolites from the Caribbean sponge Agelas Coniferin

Natural products from Porifera

Metabolism in Porifera

Acarnidines- 1982 Request from B.T. Goldins, by D.W. Phillipson (Divided 2 folders), 1981-1983

Topics

Compounds with active antibacterial agents

Acarnidines analogues

Polyandrocampa Testing, Etc - Polyandrocarpidines. M. T. Cheng, 1976- 1989

Topics

Polyandrocarpidines - antibacterial activity

Names

David Gottlieb - Professor of Plant Pathology, UIUC

Dr. Dillion E. Mapother - Vice Chancellor of Research, UIUC

Robert N. Parker - Assistant Treasurer - University of Illinois Foundation

Michael Cheng

Ramesh Pendy

Wayne Thomas Shier

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Frederick J. Antosz
T.B. Young - ICI Americas Inc
John E Creange- Research Corporation Technologies
Warren J Close - Abott Laboratories
John Faulkener
Robert W. Piwonka
Roman Saliwanchik - Saliwanchik & Saliwanchick, Patent & Trademark Law
Ernest V. Linek - Dike, Bronstein, Roberts & Cushman - Attorneys at Law
B.T. Goldin - Universität Bern - Institut für Organische Chemie
Basil Mann - Law Offices Merriam, Marhall, Shapiro and Klose
Michael F. Borun - Law Offices Merriam, Marhall, Shapiro and Klose
Jerome Klose - Law Offices - Merriam, Marhall, Shapiro and Klose
Janice E. Thompson PhD - National Cancer Institute, Division of Cancer Treatment,
Developmental Therapeutics Program
Marta Garcia- Pharma Mar S.A.
Maria Isabel Lozano - Pharma Mar S.A
Robert I. Siegel - University Science, Engineering and Technology INC (Formerly
University Patents Inc)
Robugen G.M.B.H- Pharmazeutische Fabrik, Esslingen /Neckar

Organizations

School of Chemical Sciences, UIUC
Department of Health and Human Services
National Cancer Institute - Division of Cancer Treatment
National Institute of Allergy and Infectious Diseases
Department of Health, education and Welfare - Public Health Service - National Institutes
of Health
National Institutes of Health
National Science Foundation
American Chemical Society- Division of Organic Chemistry
The U.S Department of Commerce - Patent and Trademark Office
European Patent Office
Canadian Patent Office
Roswell Park Memorial Institute - Department of Health, State of New York.
Pharmamar S.A
Dike, Bronstein, Roberts & Cushman - Attorneys at Law
Corporate Patents and Trademarks
Law Offices - Merriam, Marhall, Shapiro and Klose (Formerly Merriam, Marshall and
Bicknell)
Saliwanchik & Saliwanchick, Patent & Trademark Law
The UpJhon Company
M.L. Kalinowski and Associates- Consultants
Department of Enterprise, Patent Office, State House, London
Marks & Clerk, Chartered Patent Agents, European Patent Attorneys

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Mitsubishi - Kasei Institute of Life Sciences

Tokyo Tanabe Co.

Universität Bern (Switzerland) -Institute für Organische Chemie

University of Warwick (U.K)

Department of Chemistry, University of Canterbury- New Zealand