

蔡建鈞 老師

現職 保健營養生技學系 助理教授

學歷 Michigan State University Ph.D. Biochemistry

專長1 Protein Chemistry

專長2 Enzymology

專長3 Diabetes Mellitus

專長4 Metabolic Regulation

專長5 Influenza Virus

教師研究成果資料明細

研究計畫

1. 蔡建鈞 中研院 2008.07.1 ~2008.08.31

Titration and characterization of monoclonal antibodies specific to H5N1 virus

2. 蔡建鈞 校內計畫 2009.01.1 ~2009.12.31

芭樂心葉安全生產栽培體系及其降血糖功效之研究計畫

3. 蔡建鈞 中研院 2009.07.1 ~2009.08.31

Efficacy of monoclonal antibody targeting the hemagglutinin polybasic cleavage site of H5N1 avian influenza virus

4. 蔡建鈞 校內計畫 2010.01.1 ~2010.12.31

?喃甲酸化合物對胰島素受體訊息傳遞機制的影響研究

5. 蔡建鈞 中研院 2010.07.1 ~2010.08.31

Isolation and identification of the hydrophilic component that is capable of inhibiting protein tyrosine phosphatase (PTP)-1b enzymatic activity in the water soluble fraction of guava leaf extract

6. 蔡建鈞 校內計畫 2011.03.1 ~2012.02.29

探討以對稱模式解釋哺乳類六碳醣激?之催化與抑制之機制

7. 蔡建鈞 中研院 2011.07.1 ~2011.08.31

Determination of the 50% hypoglycemic effect dose (hypoglycemic ED50) of water soluble fraction or hot water extract of guava leaf in C57BL mice.

SCI、SSCI、A&HCI、EI、TSSCI期刊論文

1. 蔡建鈞(Henry J Tsai)*, 1999-, (已刊登)

ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS 369卷1期:149頁~159頁
Functional Organization and Evolution of Mammalian Hexokinases: Mutations That Caused the Loss of Catalytic Activity in N-terminal Halves of Type I and Type III Isozymes

2. (D. Andrew Skaff)、(Chang Sup Kim)、蔡建鈞(Henry J Tsai)、(Richard B. Honzatko)、(Herbert J. Fromm)*, 2005-, (已刊登)

JOURNAL OF BIOLOGICAL CHEMISTRY 280卷46期:38403頁~38409頁
Glucose 6-phosphate release of wild-type and mutant human brain hexokinases from mitochondria

3. 蔡建鈞(Henry J Tsai)*、(Shan-Yen Chou)、(SH Chuang)、(CC Chen)、(FL Hsu)* ,2008-12, (已刊登)
DRUG DEVELOPMENT RESEARCH 69卷0期:514頁~519頁
A Novel Orally Active Sulfonamide Compound Dipeptidyl Peptidase IV Inhibitor: Structure and Activity Relationship of Arylsulfonamide to Dipeptidyl Peptidase IV Inhibition
4. 蔡建鈞(Henry J Tsai)*、(Shan-Yen Chou)、(Frank Kappler)、(Michael L Schwartz)、(Annette M Tobia) ,2006-, (已刊登)
DRUG DEVELOPMENT RESEARCH 67卷0期:448頁~455頁
A New Inhibitor for Fructosamine 3-Kinase (Amadorase)
5. 蔡建鈞(Henry J Tsai)* ,2007-, (已刊登)
JOURNAL OF BIOMEDICAL SCIENCE 14卷2期:195頁~202頁
Function of interdomain alpha-helix in human brain hexokinase: covalent linkage and catalytic regulation between N- and C-terminal halves
6. 蔡建鈞(Henry Jan-Jen Tsai)*、(Shan-Yen Chou) ,2009-08, (已刊登)
JOURNAL OF BIOMEDICAL SCIENCE 16卷68期:1頁~12頁
A novel hydroxyfuroic acid compound as an insulin receptor activator - structure and activity relationship of a prenylindole moiety to insulin receptor activation.
7. (Shan-Yen Chou)、蔡建鈞(Henry Jan-Jen Tsai)* ,2010-09, (已刊登)
DRUG DEVELOPMENT RESEARCH 71卷0期:1頁~12頁
Regioselective Synthesis of 3-(1H-indol-3-yl)-5-(1H-indole-3-carbonyl)-4-hydroxyfuroic Acids: A Route to Hydroxyfuroic Acid Based Insulin Receptor Activators

研討會論文

1. 蔡建鈞(Henry Jan-Jen Tsai)*、鄒先岩、徐鳳麟 2009.06.28~2009.06.30
A New Sulfonamide Compound as an Orally Active Dipeptidyl Peptidase IV Inhibitor – Structure and Activity Relationship of Arylsulfonamide to Dipeptidyl Peptidase IV Inhibition
台灣藥學會藥物化學研討會
2. 蔡建鈞(Henry Jan-Jen Tsai) 2011.03.15~2011.03.15
Extracellular Proteases: A Crossroad between Diabetes Mellitus and Influenza A Virus
第四屆中國醫藥大學暨亞洲大學生物科技研討會
3. 蔡建鈞(Henry Jan-Jen Tsai) 2010.03.16~2010.03.16
Development of Hydroxyfuroic Acids as an Insulin Receptor Activators (IRA)
第三屆中國醫藥大學暨亞洲大學生物科技研討會
4. 蔡建鈞(Henry Jan-Jen Tsai)、蔡建鈞(Henry Jan-Jen Tsai)
2011.08.16~2011.08.18
Hypoglycemic Efficacy of Guava Leaf Extract in Vivo
9th International Conference: Functional Food Components in Health and Disease

指導碩博士論文

1. 蔡建鈞 2010
芭樂心葉茶降血糖功效之研究
張嘉婷