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Selection of Inhibitor-Resistant Viral Potassium Channels Identifies a Selectivity Filter Site that Affects Barium and Amantadine Block

Franck C Chatelain, Sabrina Gazzarrini, Yuichiro Fujiwara, Cristina Arrigoni, Courtney Domigan, Giuseppina Ferrara, Carlos Pantoja, Gerhard Thiel, Anna Moroni, Daniel L Minor

Filter Site that Affects Barium and Amantadine Block ... Selection of Inhibitor-Resistant Viral Potassium Channels Identifies a Selectivity Filter Site that Affects Barium and Amantadine Block ... blockers, barium and amantadine, with the miniature viral

PLoS ONE: Research Article, published 16 Oct 2009

10.1371/journal.pone.0007496

Views: 821 Citations: Yes Bookmarks: None

Potassium Channel and NKCC Cotransporter Involvement in Ocular Refractive Control Mechanisms

Sheila G Crewther, Melanie J Murphy, David P Crewther

respectively. Intravitreal injections of barium chloride ... , as barium blockade of the potassium channels significantly ... intravitreal injection of barium chloride to a vitreal

PLoS ONE: Research Article, published 30 Jul 2008

10.1371/journal.pone.0002839

Views: 790 Citations: Yes Bookmarks: None

A Pre-Hispanic Head

Raffaella Bianucci, Maria Jeziorska, Rudy Lallo, Grazia Mattutino, Massimo Massimelli, Genevieve Phillips, Otto Appenzeller

on the material filling the skull showed the presence of barium ... spectrum showing accumulation of barium sulphate and lead

PLoS ONE: Research Article, published 30 Apr 2008

10.1371/journal.pone.0002053

Views: 1500 Citations: None Bookmarks: None

Calcium Sets the Physiological Value of the Dominant Time Constant of Saturated Mouse Rod Photoresponse Recovery

Frans Vinberg, Ari Koskelainen

cells by e.g. barium. To remove the slow PIII ... barium. With this approach it was possible to remove

PLoS ONE: Research Article, published 27 Sep 2010

10.1371/journal.pone.0013025

Views: 263 Citations: None Bookmarks: None

Inhibition of Electrical Activity by Retroviral Infection with Kir2.1 Transgenes Disrupts Electrical Differentiation of Motoneurons

Yone Jung Yoon, Hisashi Kominami, Thomas Trimarchi, Miguel Martin-Caraballo

to low concentrations of barium ions [31] , application of 100 μM barium blocked the inwardly rectifying ... with 100 μM barium ions causes a significant reduction

PLoS ONE: Research Article, published 13 Aug 2008

10.1371/journal.pone.0002971

Views: 632 Citations: Yes Bookmarks: None

Orientation of the Calcium Channel β Relative to the α₁2.2 Subunit Is Critical for Its Regulation of Channel Activity

Iuliia Vitko, Aleksandr Shcheglovitov, Joel P Baumgart, Imilla I Arias-Olguín, Janet Murbartíán, Juan Manuel Arias, Edward Perez-Reyes

) led to the appearance of small **barium** currents whose ... with either $\beta 2a$ or $\beta 3$ led to the appearance of robust **barium**

PLoS ONE: Research Article, published 29 Oct 2008
10.1371/journal.pone.0003560

Views: 780 Citations: Yes Bookmarks: None

A Glucose BioFuel Cell Implanted in Rats

Philippe Cinquin, Chantal Gondran, Fabien Giroud, Simon Mazabrard, Aymeric Pellissier, François Boucher, Jean-Pierre Alcaraz, Karine Gorgy, François Lenouvel, Stéphane Mathé, Paolo Porcu, Serge Cosnier

containing both GOX and catalase, immobilized on barium

PLoS ONE: Research Article, published 04 May 2010
10.1371/journal.pone.0010476

Views: 3669 Citations: Yes Bookmarks: Yes

Rapid Biocompatibility Analysis of Materials via *In Vivo* Fluorescence Imaging of Mouse Models

Kaitlin M Bratlie, Tram T Dang, Stephen Lyle, Matthias Nahrendorf, Ralph Weissleder, Robert Langer, Daniel G Anderson

barium-alginate membrane. Diabetes 50 1698 1705

PLoS ONE: Research Article, published 06 Apr 2010
10.1371/journal.pone.0010032

Views: 1151 Citations: Yes Bookmarks: None

Frequency and Nature of Incidental Extra-Enteric Lesions Found on Magnetic Resonance Enterography (MR-E) in Patients with Inflammatory Bowel Diseases (IBD)

Hans H Herfarth, Michael Grunert, Frank Klebl, Ulrike Strauch, Stefan Feuerbach, Jürgen Schölmerich, Gerhard Rogler, Andreas G Schreyer

CT and Barium Studies of the Small Bowel: Inflammatory Bowel

PLoS ONE: Research Article, published 01 Apr 2009
10.1371/journal.pone.0004863

Views: 381 Citations: Yes Bookmarks: None

Comparison of Methods for Detection of *Blastocystis* Infection in Routinely Submitted Stool Samples, and also in IBS/IBD Patients in Ankara, Turkey

Funda Dogruman-AI, Zahide Simsek, Kenneth Boorum, Eyup Ekici, Memduh Sahin, Candan Tuncer, Semra Kustimur, Akif Altinbas

manifestation, sigmoidoscopy, barium enema, colonoscopy

PLoS ONE: Research Article, published 18 Nov 2010
10.1371/journal.pone.0015484

Views: 226 Citations: None Bookmarks: None

Metallomic Profiling and Linkage Map Analysis of Early Parkinson's Disease: A New Insight to Aluminum Marker for the Possible Diagnosis

Shiek S S J Ahmed, Winkins Santosh

concentrations of aluminium (Al), arsenic(As), barium (Ba

PLoS ONE: Research Article, published 22 Jun 2010
10.1371/journal.pone.0011252

Views: 911 Citations: None Bookmarks: None

Effect of Parenchymal Stiffness on Canine Airway Size with Lung Inflation

Robert H Brown, David W Kaczka, Wayne Mitzner

after Barium Sulfate Microembolism. J Appl Physiol

PLoS ONE: Research Article, published 26 Apr 2010
10.1371/journal.pone.0010332

Views: 370 Citations: None Bookmarks: None

Manganese Enhances Prion Protein Survival in Model Soils and Increases Prion Infectivity to Cells

Paul Davies, David R Brown

33 M Purdey 2004 Elevated silver, barium and strontium

PLoS ONE: Research Article, published 21 Oct 2009

10.1371/journal.pone.0007518

Views: 774 Citations: Yes Bookmarks: None

Analysis of Group Randomized Trials with Multiple Binary Endpoints and Small Number of Groups

Ji-Hyun Lee, Michael J Schell, Richard Roetzheim

of colon cancer, or colonoscopy of double-contrast barium

PLoS ONE: Research Article, published 21 Oct 2009

10.1371/journal.pone.0007265

Views: 1062 Citations: Yes Bookmarks: None

Pregnenolone Sulfate Potentiates the Inwardly Rectifying K⁺ Channel Kir2.3

Toru Kobayashi, Kazuo Washiyama, Kazutaka Ikeda

M White S Nattel 2003 Barium block of Kir2 and human

PLoS ONE: Research Article, published 21 Jul 2009

10.1371/journal.pone.0006311

Views: 752 Citations: Yes Bookmarks: Yes

Brevenal Inhibits Pacific Ciguatoxin-1B-Induced Neurosecretion from Bovine Chromaffin Cells

César Mattei, Peter J Wen, Truong D Nguyen-Huu, Martha Alvarez, Evelyne Benoit, Andrea J Bourdelais, Richard J Lewis, Daniel G Baden, Jordi Molgó, Frédéric A Meunier

secretagogue activity without affecting nicotine or barium

PLoS ONE: Research Article, published 20 Oct 2008

10.1371/journal.pone.0003448

Views: 1045 Citations: Yes Bookmarks: None

Fine Mapping of Posttranslational Modifications of the Linker Histone H1 from *Drosophila melanogaster*

Ana Villar-Garea, Axel Imhof

, the product of the trypsin digest was treated with barium

PLoS ONE: Research Article, published 06 Feb 2008

10.1371/journal.pone.0001553

Views: 1371 Citations: Yes Bookmarks: None

Restructuring of Pancreatic Islets and Insulin Secretion in a Postnatal Critical Window

Cristina Aguayo-Mazzucato, Carmen Sanchez-Soto, Victoria Godinez-Puig, Gabriel Gutiérrez-Ospina, Marcia Hiriart

secretion and barium current in pancreatic beta cells

PLoS ONE: Research Article, published 20 Dec 2006

10.1371/journal.pone.0000035

Views: 8846 Citations: Yes Bookmarks: None

Insulin Resistance Is Not Conserved in Myotubes Established from Women with PCOS

Mette Eriksen, Ann Dorte Pørneki, Vibe Skov, Jorge S Burns, Henning Beck-Nielsen, Dorte Glintborg, Michael Gaster

specific activity was determined on barium/zinc

PLoS ONE: Research Article, published 30 Dec 2010

10.1371/journal.pone.0014469

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Metallothioneins Are Required for Formation of Cross-Adaptation Response to Neurobehavioral Toxicity from Lead and Mercury Exposure in Nematodes

Boping Ye, Qi Rui, Qiuli Wu, Dayong Wang

defects caused by barium exposure in nematode

PLoS ONE: Research Article, published 18 Nov 2010
10.1371/journal.pone.0014052

Views: 221 Citations: None Bookmarks: None

Static Magnetic Field Exposure Reproduces Cellular Effects of the Parkinson's Disease Drug Candidate ZM241385

Zhiyun Wang, Pao-Lin Che, Jian Du, Barbara Ha, Kevin J Yarema
sulfate and 100 μ l of saturated barium hydroxide, vortex

PLoS ONE: Research Article, published 08 Nov 2010
10.1371/journal.pone.0013883

Views: 341 Citations: None Bookmarks: None

Extracellular and Mixotrophic Symbiosis in the Whale-Fall Mussel *Adipicola pacifica*: A Trend in Evolution from Extra- to Intracellular Symbiosis

Yoshihiro Fujiwara, Masaru Kawato, Chikayo Noda, Gin Kinoshita, Toshiro Yamanaka, Yuko Fujita, Katsuyuki Uematsu, Jun-Ichi Miyazaki

Thermal decomposition of barium sulfate-vanadium

PLoS ONE: Research Article, published 27 Jul 2010
10.1371/journal.pone.0011808

Views: 778 Citations: Yes Bookmarks: None

Anion-Sensitive Regions of L-Type CaV1.2 Calcium Channels Expressed in HEK293 Cells

Norbert Babai, Nataly Kanevsky, Nathan Dascal, George J Rozanski, Dharendra P Singh, Nigar Fatma, Wallace B Thoreson
, Foster City, CA). The barium current

PLoS ONE: Research Article, published 06 Jan 2010
10.1371/journal.pone.0008602

Views: 1952 Citations: None Bookmarks: None

Functional Implication of Dp71 in Osmoregulation and Vascular Permeability of the Retina

Abdoulaye Sene, Ramin Tadayoni, Thomas Pannicke, Antje Wurm, Brahim El Mathari, Romain Benard, Michel Joseph Roux, David Yaffe, Dominique Mornet, Andreas Reichenbach, Jose-Alain Sahel, Alvaro Rendon
in the presence of barium chloride (Ba 2+). Addition

PLoS ONE: Research Article, published 07 Oct 2009
10.1371/journal.pone.0007329

Views: 664 Citations: Yes Bookmarks: None

Modulation of Macrophage Activation State Protects Tissue from Necrosis during Critical Limb Ischemia in Thrombospondin-1-Deficient Mice

Nicolas Br  chet, Elisa Gomez, Marine Bignon, Jamila Khallou-Laschet, Michael Dussiot, Aur  lie Cazes, C  cile Alanio-Br  chet, M  lanie Durand, Josette Philippe, Jean-S  bastien Silvestre, Nico Van Rooijen, Pierre Corvol, Antonino Nicoletti, B  n  dicte Chazaud, St  phane Germain
to inject contrast medium (barium sulfate, 1 g/mL

PLoS ONE: Research Article, published 16 Dec 2008
10.1371/journal.pone.0003950

Views: 1668 Citations: Yes Bookmarks: Yes

S1 Constrains S4 in the Voltage Sensor Domain of Kv7.1 K⁺ Channels

Yoni Haitin, Ilanit Yisharel, Eti Malka, Liora Shamgar, Hella Schottelndreier, Asher Peretz, Yoav Paas, Bernard Attali
D Yakubovich A Peretz B Attali 2004 External barium affects

PLoS ONE: Research Article, published 09 Apr 2008
10.1371/journal.pone.0001935

Views: 1045 Citations: Yes Bookmarks: None

Osteopontin Is Required for the Early Onset of High Fat Diet-Induced Insulin Resistance in Mice

Justin Chapman, Philip D Miles, Jachelle M Ofrecio, Jaap G Neels, Joseph G Yu, Jamie L Resnik, Jason Wilkes, Saswata Talukdar, Divya Thapar, Kristen Johnson, Dorothy D Sears

was measured after deproteinization with **barium** hydroxide

PLOS ONE: Research Article, published 12 Nov 2010

10.1371/journal.pone.0013959

Views: 479 Citations: None Bookmarks: None

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