

Biochemistry

BIO 001 - Preliminary toxicological evaluation of selenoureas compounds in *Caenorhabditis elegans*
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BIO 002 - Effect of diselenides and β -selenoamines administration in thioacetamide-induced acute liver failure in mice
Débora F. Gonçalves (PG), Sílvio T. Stefanello (PG), Aline A. Courtes (PG), Diane D. Hartmann (PQ), Pamela C. da Rosa (PG), Félix A. Soares (PQ) Cristiane L. Dalla Corte (PQ)

BIO 003 - 3,5-Dimethyl-4-(phenylselenyl)-1H-pyrazole reverses depressive-like induced by intracerebroventricular injection of streptozotocin in mice
Paloma T. Birmann (PG), Micaela Domingues (PG), Daniela H. de Oliveira (PG), Raquel G. Jacob (PQ) and Lucielli Savegnago (PQ)

BIO 004 - Streptozotocin-induced diabetes and $(p\text{-CIPhSe})_2$ do not affect the redox homeostasis in muscle of mice
Juliano T. K. Jung (IC), Bruna C. W. Fulco (PG), Vanessa A. Zborowski (PG), Cristina W. Nogueira (PQ)

BIO 005 - Diphenyl diselenide, by modulating anti-inflammatory response, protects against memory impairment caused by HSV-1 infection in mice
Natália S. Jardim (PG), Gláubia Sartori (PQ), Marcel H. M. Sari (PQ) and Cristina W. Nogueira (PQ)

BIO 006 - 4-4'-Chloro-diphenyl diselenide reversed depressive-like phenotype caused by diabetes in mice
Vanessa A. Zborowski (PG), Suélen O. Heck (PG), Luiza S. Marques (IC), Nicolás K. Bastos (IC) and Cristina W. Nogueira (PQ)

BIO 007 - Ebselen reverses hippocampal oxidative stress in a mouse model of Alzheimer's disease
Isabella P. Klann (IC), Franciele Martini (PG), Suzan G. Rosa (PG), Buna C. W. Fulco (PG), Cristina W. Nogueira (PQ)

BIO 008 - 4,4'-Dichloro diphenyl diselenide does not reverse δ -ALA-D inhibition in liver and kidney of hyperglycemic mice
Luiza S. Marques (IC), Vanessa A. Zborowski (PG), Suelen O. Heck (PG) and Cristina W. Nogueira (PQ)

BIO 009 - An organoselenium compound as a specific MAO-A inhibitor: molecular docking and biological evidences
Mariana G. Fronza (PG), Fernanda S. S. Sousa (PG), Paloma T. Birmann (PG), Rodolfo Baldinotti (PG), Renata Balaguez (PG), Diego Alves (PQ), César A. Brüning (PQ), Lucielli Savegnago (PQ)

BIO 010 - Octylseleno-xylofuranoside prevents dementia induced by streptozotocin in mice
Rodolfo Baldinotti (PG), Mariana Fronza (PG), Jenifer Fetter (IC), Cristian Martini (IC), Luana Silva (PG), Diogo Lüdtkke (PQ), Lucielli Savegnago (PQ), Diego Alves (PQ)

BIO 011 - Neuroprotective activity of (octylseleno)-xilofuranoside against memory deficit on Alzheimer-like mice model
Jenifer Fetter (IC), Mariana G. Fronza (PG), Rodolfo S. M. Baldinotti (PG), Cristian Martini (IC), Luana Silva (PG), Diogo Lüdtkke (PG), Lucielli Savegnago (PQ)

BIO 012 - Neuroprotective effect of (Octylseleno)-xylofuranoside (OSX) on a mice model of Alzheimer disease induced by streptozotocin (STZ)
Cristian Martini (IC), Mariana G. Fronza (PG), Rodolfo S. M. Baldinotti (PG), Jenifer Fetter (IC), Luana Silva (PG), Diogo Lüdtkke (PQ) and Lucielli Savegnago (PQ)

BIO 013 - Diphenyl diselenide and Ebselen attenuate the sulfhydryl enzymes inhibition induced by cisplatin in kidney of young rats
Vinicius C. Prado (PG), Bruna C. W. Fulco (PG), Juliano T. K. Jung (IC), Cristina W. Nogueira (PQ)

BIO 014 - α -(Phenylselanyl) acetophenone abolishes depressive- like behavior induced by tumor necrose factor- α in mice

Rodrigo P. Pinto (IC), Fernanda S. Sabedra S. (PG), Mariana G. Fronza (PG), Rodolfo Baldinotti (PG), Renata A. Balaguez (PG), Diego Alves (PQ), César Augusto Bruning (PQ) and Lucielli Savegnago (PQ)

BIO 015 - 7-Chloro-4-(phenylselanyl) quinoline ameliorates memory impairment induced by neonatal administration of monosodium glutamate in rats

Karline C. Rodrigues (IC), Ketlyn P. Motta (IC), Jaini J. Paltian (PG), Renata L. de Oliveira (PG), Manoela do Sacramento (PG), Diego Alves (PQ), Ethel A. Wilhelm (PQ) and Cristiane Luchese (PQ)

BIO 016 - Bis-*m*-trifluoromethyl-phenyl diselenide (*m*-CF₃-PhSe)₂ attenuates the severity of physical dependence in morphine withdrawn mice

Carolina C. Martins (PG), Suzan G. Rosa (PG), Gilson R. Zeni (PQ) and Cristina W. Nogueira (PQ)

BIO 017 - *p*-Chloro-diphenyl diselenide modulates the glutamatergic system in prefrontal cortex of mice exposed to dexamethasone

Suélen O. Heck (PG), Vanessa A. Zborowski (PG), Caroline B. Quines (PG), Cristina W. Nogueira (PQ)

BIO 018 - Hepatic antioxidant action of *p*-chloro-diphenyl diselenide in a model of diabetes induced by STZ in mice

Nicolas K. Bastos (IC), Vanessa A. Zborowski (PG), Suélen O. Heck (PG) and Cristina W. Nogueira (PQ)

BIO 019 - Diphenyl diselenide is as effective as Ebselen against cisplatin-induced hepatorenal oxidative damage in young rats

Bruna C. W. Fulco (PG), Juliano T. K. Jung (IC), Vinicius C. Prado (PG), Cristina W. Nogueira (PQ)

BIO 020 - 7-chloro-4-(phenylselanyl) quinoline (4-PSQ) elicits anti-hyperalgesic effects on oxaliplatin-induced peripheral neuropathy in Swiss mice

Angélica S. Reis (PG), Jaini J. Paltian (PG), Diego Alves (PQ), Roberta Kruger (PG), William Domingues (PG), Vinicius F. Campos (PQ), Cristiane Luchese (PQ), Ethel A. Wilhelm (PQ)

BIO 021 - Stability of the complexes R-Se-HgMe and R-S-HgMe in a chemical system: a HPLC analysis

Cláudia S. Oliveira (PG), Pablo A. Nogara (PG), João B. T. Rocha (PQ)

BIO 022 - Simulations of the binding mode of MeHg putative species in the selenoprotein thioredoxin reductase

Pablo A. Nogara (IC), Cláudia S. Oliveira (PG), João B. T. Rocha (PQ)

BIO 023 - The Se...S interaction as a possible mechanism of the δ -AlaD inhibition by Ebselen

Alice E. Visentini (IC), Pablo A. Nogara (PG), Cláudia S. Oliveira (PG), Gabriela L. Schmitz (PG), Rogério A. Saraiva (PQ), João B. T. Rocha (PQ)

BIO 024 - Anticholinesterase effect of 6-((4-fluorophenyl) selanyl)-9H-purine is involved in memory improvement in an Alzheimer's disease model

Mikaela P. Pinz (PG), Renata L. Oliveira (PG), Ane G. Vogt (PG), Luis F. B. Duarte (PG), Diego Alves (PQ), Ethel A. Wilhelm (PQ), Cristiane Luchese (PQ)

BIO 025 - Protective effect of 7-chloro-4-(phenylselenyl)quinoline on diabetic-like phenotype induced by high sugar diet in *Drosophila melanogaster*

Daiane de A. Silva (PG), Márcia R. P. Silva (PG), Stéfani M. Araújo (PG), Manoela do Sacramento (PG), Diego Alves (PQ) and Marina Prigol (PQ)

BIO 026 - *p*-Chloro substituent on selenochromenone alters dose and time required to the antidepressant-like effect in mice

Carla E. S. Oliveira (PG)¹, Renan P. Pistoia (PG), Gilson Zeni (PQ), Cristina W. Nogueira (PQ)

BIO 027 - Antioxidant effect of 6-((4-(fluorophenyl)selanyl)-9H-purine in location memory deficit in an Alzheimer's disease model in mice

Bruno C. Chagas (PG), Mikaela P. Pinz (PG), Ane G. Vogt (PG), Gabriel P. da Costa (PG), Diego Alves (PQ), Ethel A. Wilhelm (PQ), Cristiane Luchese (PQ)

BIO 028 - Effect of 6-((4-(fluorophenyl)selanyl)-9H-purine in a sporadic Alzheimer's disease model: involvement of Na⁺, K⁺-ATPase activity

Ane G. Vogt (PG), Mikaela P. Pinz (PG), Guilherme T. Voss (PG), Gabriel P. da Costa (PG), Diego Alves (PQ), Ethel A. Wilhelm (PQ) and Cristiane Luchese (PQ)

BIO 029 - 3-(4-Chlorophenylselanyl)-1-methyl-1H-indole alleviates neuropathic pain behaviour induced by partial sciatic nerve ligation in mice

Maria Eduarda W. Tillmann (IC), Paloma T. Birmann (PG), Fernanda S. S. Sousa (PG), Micaela Domingues (PG), Daniela H. de Oliveira (PG), Raquel G. Jacob (PQ) and Lucielli Savegnago (PQ)

BIO 030 - Effect of 3-((4-methoxyphenyl)selanyl)-2-phenylimidazo[1,2-a]pyridine on depressive-like behavior induced by acute stress in mice

Andrew de Oliveira (IC), Micaela Domingues (PG), Angela M. Casaril (PG), Paloma T. Birmann (PG), Darling A. Lourenço (IC), Thiago A. Smaniotto (PG), Beatriz Vieira (PG), Eder Lenardão (PQ) César A. Bruning (PQ) and Lucielli Savegnago (PQ)

BIO 031 - Evaluation of the anxiolytic-like effect of 7-chloro-4-(phenylselanyl) quinoline in oxaliplatin-induced anxiety in Swiss mice

Jaini J. Paltian (PG), Angélica S. Reis (PG), Diego Alves (PQ), Roberta Kruger (PG), Vinicius F. Campos (PQ), William B. Domingues (PG), Ethel A. Wilhelm (PQ), Cristiane Luchese (PQ)

BIO 032 - Anxiety-Like behavior induced by intracerebroventricular injection of streptozotocin is reversed by administration of 3,5-dimethyl-4-(phenylselanyl)-1H-pyrazole

Thiago Â. Smaniotto (PG), Paloma T. Birmann (PG), Micaela Domingues (PG), Daniela H. de Oliveira (PG), Raquel G. Jacob (PQ) and Lucielli Savegnago (PQ)

BIO 033 - Effect of 7-chloro-4-phenylselanyl quinoline in a mouse model of painful diabetic peripheral neuropathy

Guilherme T. Voss (PG), Renata L. de Oliveira (PG), Caren A. R. da Fonseca (PG), Roberta Kruger (PG), Diego Alves (PQ), Cristiane Luchese (PQ), Ethel A. Wilhelm (PQ)

BIO 034 - Antidepressant-like action of an organosulfur compound in mice: Involvement of the monoamine oxidase activity

Renata L. de Oliveira (PG), Guilherme T. Voss (PG), Jaini J. Paltian (PG), Marina C. Dilelio (PG), Claudio C. Silveira (PQ), Ethel A. Wilhelm (PQ) and Cristiane Luchese (PQ)

BIO 035 - Evaluation of acute toxicity of bis{2-[4-(1-hydroxyprop-2-en-1-yl)-1H-1,2,3-triazol-1-yl]phenyl}diselenide (BTSe) in Swiss mice

Briana B. Lemos (IC), Angélica S. Reis (PG), Barbara G. de Freitas (PG), Ketlyn P. da Motta (IC), Floyd C. D. Andrade (PG), Ricardo Samuel Schwab (PQ), Cristiane Luchese (PQ), Ethel A. Wilhelm (PQ)

BIO 036 - Evaluation of the acute toxicological effect of 6-((4-(fluorophenyl)selanyl)-9H-purine (FSP) in mice

Caren A. R. da Fonseca (PG), Mikaela P. Pinz (PG), Ane G. Vogt (PG), Luis Fernando B. Duarte (PG), Diego Alves (PQ), Cristiane Luchese (PQ) and Ethel A. Wilhelm (PQ)

BIO 037 - Effectiveness of repeated treatment of bis-(*m*-trifluoromethyl-phenyl) diselenide in a subchronic inflammatory pain model

Paulo Cesar O. Araujo (PG), Marcel H. M. Sari (PG), Cristina W. Nogueira (PQ) and César A. Brüning (PQ)

BIO 038 - Diphenyl diselenide modulated inflammatory markers increased by Bisphenol A in cerebral cortex of female mice

Sabrina G. Müller (PG), Natália S. Jardim (PG), Marcel H. M. Sari (PQ), Cristina W. Nogueira (PQ)

BIO 039 - Organoselenium compounds modulate the lipid metabolism in *C. elegans*

Alisson G. R. Santos (IC), Flávia S. O. Pereira (PG), Caroline B. Quines (PQ), Daiana S. Ávila (PQ)

BIO 040 - Evaluation of selenoesters compounds as multi-target therapy candidates for Alzheimer disease

Flávia S. O. Pereira (PG), Caroline B. Quines (PQ), Luan Lauter (PG), Juliano B. de Azeredo (PQ), Flávio A. R. Barbosa (PG), Romulo F. S. Canto (PG), Antonio L. Braga (PQ) and Daiana S. de Ávila (PQ)

BIO 041 - (*p*-CIPhSe)₂ modulates glycolytic pathway in *Caenorhabditis elegans*

Caroline B. Quines (PG), Flávia S. O. Pereira (PG), Alisson G. R. Santos (IC) and Daiana S. Ávila (PQ)

BIO 042 - Evaluation of the *in vitro* antioxidant activity of a new triazole derivative containing selenium

Ketlyn P. da Motta (IC), Briana B. Lemos (IC), Jaini J. Paltian (PG), Karline da C. Rodrigues (IC), Floyd C. D. Andrade (PG), Ricardo S. Schwab (PQ), Ethel A. Wilhelm (PQ), Cristiane Luchese (PQ)

BIO 043 - Antidepressant-like action of 7-chloro-4-(phenylselanyl) quinoline in a central obesity model induced by monosodium glutamate in rats

Marina L. C. P. Torres (IC), Karline C. Rodrigues (IC), Caren A. Ramson (PG), Briana Barros (IC), Manoela do Sacramento (PG), Diego Alves (PQ), Ethel A. Wilhelm (PQ) and Cristiane Luchese (PQ)

BIO 044 - Sodium selenite protects from 3-NP-induced neurotoxicity in cultured primary cortical neurons: involvement of ERK1/2 signaling pathway

Danúbia B. Santos (PQ), Viviane de Souza (PG), Rodrigo B. Leal (PQ), Patrícia S. Brocardo (PQ), Marcelo Farina (PQ), Dirleise Colle (PQ)

BIO 045 - *p*-Chloro-diphenyl diselenide and STZ did not affect oxidative stress in the kidney of mice

Renata Fritzsche (IC), Vanessa Zborowski (PG), Suélen Heck (PG) and Cristina W. Nogueira (PQ)

BIO 046 - Synthesis and preliminary anticancer evaluation of diversely functionalized selenorganic compounds

Doroła Krasowska, Jozef Drabowicz, Claudio Santi, Francesca Mangiavacchi, Luana Bagnoli, Riccardo Galdini, Marcin Cieślak, Julia Kaźmierczak-Barańska, Karolina Królewska-Golińska, Barbara Nawrot, Luca Sancineto