

Artigos Científicos

2011

1) Oliveira, A. A.; Matos, C. A. S. ; Rennó, M. N. ; BERTUZZI, M. D. ; Ramalho, T. C. ; Fraga, Carlos A. M. ; FRANCA, T. C. C. . Molecular Modeling Studies of Yersinia pestis Dihydrofolate Reductase. **Journal of Biomolecular Structure & Dynamics**, v. 29, p. 351-367, 2011.

2) Fraga, Aline Guerra M. ; da Silva, Leandro Louback ; Fraga, Carlos Alberto Manssour ; Barreiro, Eliezer J. . CYP1A2-mediated biotransformation of cardioactive 2-thienylidene-3,4-methylenedioxybenzoylhydrazine (LASSBio-294) by rat liver microsomes and human recombinant CYP enzymes. **European Journal of Medicinal Chemistry**, v. 46, p. 349-355, 2011.

3) Campos C C ; Rocha M D ; Viegas F P D ; Nicastro P C ; Fossaluzza P C ; FRAGA, C. A. M. ; BARREIRO, E. J. ; VIEGAS JR, C. . The Role of Natural Products in the Discovery of New Drug Candidates for the Treatment of Neurodegenerative Disorders I: Parkinson s Disease. **Current Drug Targets. CNS & Neurological Disorders** (Cessou em 2005. Cont. ISSN 1871-5273 CNS & Neurological Disorders. Drug Targets), v. 10, p. 239-250, 2011.

4) Avila, Carolina M. ; Lopes, Alexandra B. ; Gonçalves, Arlan S. ; da Silva, Leandro L. ; Romeiro, Nelilma C. ; Miranda, Ana Luisa P. ; Sant Anna, Carlos M.R. ; Barreiro, Eliezer J. ; Fraga, Carlos A.M. . Structure-based design and biological profile of (E)-N-(4-Nitrobenzylidene)-2-naphthohydrazide, a novel small molecule inhibitor of I?B kinase-?. **European Journal of Medicinal Chemistry**, p. 1245-1253, 2011.

5) Romeiro, Luiz Antonio S. ; da Silva Ferreira, Marcos ; Louback da Silva, Leandro ; Castro, Helena Carla ; Miranda, Ana Luisa P. ; Silva, Claudia Lucia M; Noel, Francois ; Nascimento, Jessica B. ; Araujo, Claudia V. ; Tibiriça, Eduardo ; Barreiro, Eliezer J. ; Fraga, Carlos A.M.. Discovery of LASSBio-772, a 1,3-Benzodioxole N-Phenylpiperazine Derivative with Potent Alpha 1A/D-Adrenergic Receptor Blocking Properties. **European Journal of Medicinal Chemistry**, p. 3000-3012, 2011.

- 6) Barreiro, Eliezer J.; Kummerle, Arthur E. ; Fraga, Carlos A. M.. The Methylation Effect in Medicinal Chemistry. **Chemical Reviews**, v. 111, p. 5215-5246, **2011**.
- 7) Braga, Rodolpho C. ; Tôrres, Andréa C.B. ; Persiano, Camille B. ; Alves, Rosângela O. ; Fraga, Carlos A.M. ; Barreiro, Eliezer J. ; de Oliveira, Valéria . Determination of the cardioactive prototype LASSBio-294 and its metabolites in dog plasma by LC MS/MS: Application for a pharmacokinetic study. **Journal of Pharmaceutical and Biomedical Analysis** (Print), v. 55, p. 1024-1030, **2011**.
- 8) Parrilha, Gabrieli L.; Vieira, Rafael P.; Rebolledo, Anayive P. ; Mendes, Isolda C. ; Lima, Lidia M. ; Barreiro, Eliezer J. ; Piro, Oscar E. ; Castellano, Eduardo E. ; Beraldo, Heloisa. Binuclear zinc(II) complexes with the anti-inflammatory compounds salicylaldehyde semicarbazone and salicylaldehyde-4-chlorobenzoyl hydrazone (H2LASSBio-1064). **Polyhedron**, v. 30, p. 1891-1898, **2011**.
- 9) Júnior, Walfrido Bispo ; Alexandre-Moreira, Magna S. ; Alves, Marina A. ; Perez-Rebolledo, Anayive ; Parrilha, Gabrieli L. ; Castellano, Eduardo E. ; Piro, Oscar E. ; Barreiro, Eliezer J. ; Lima, Lídia Moreira ; Beraldo, Heloisa . Analgesic and Anti-Inflammatory Activities of Salicylaldehyde 2-Chlorobenzoyl Hydrazone (H2LASSBio-466), Salicylaldehyde 4-Chlorobenzoyl Hydrazone (H2LASSBio-1064) and Their Zinc(II) Complexes. **Molecules** (Basel. Online), v. 16, p. 6902-6915, **2011**.
- 10) Casquilho, Natália V.; Carvalho, Giovanna M.C. ; Alves, João L.C.R. ; Machado, Mariana N. ; Soares, Raquel M. ; Azevedo, Sandra M.F.O. ; Lima, Lidia M. ; Barreiro, Eliezer J.; Valença, Samuel S. ; Carvalho, Alysso R. ; Faffe, Débora S. ; Zin, Walter A. . LASSBio 596 per os avoids pulmonary and hepatic inflammation induced by microcystin-LR. **Toxicon** (Oxford), v. 58, p. 195-201, **2011**.
- 11) Barbosa, Maria Letícia de Castro ; Fumian M M ; MIRANDA, Ana Luisa P ; BARREIRO, E. J.; LIMA, L. M. . Therapeutic approaches for tumor necrosis factor inhibition. **BRAZ J PHARM SCI**, v. 47, p. 427-446, **2011**.
- 12) Nascimento-Júnior, Nailton M. ; Kümmerle, Arthur E. ; Barreiro, Eliezer J. ; Fraga, Carlos A. M.. MAOS and Medicinal Chemistry: Some Important Examples from the Last Years. **Molecules** (Basel. Online), v. 16, p. 9274-9297, **2011**.

13) LIMA, A. B. ; MACHADO, A L ; Simon, P ; Cavalcante, MM ; Rezende, DC ; SILVA, Gilberto Marcelo Sperandio da ; Silva, GM ; Nascimento, PG ; QUINTAS, L e M ; Cunha F Q ; BARREIRO, E. J. ; L. M. Lima ; KOATZ, V L G . Anti-inflammatory effects of LASSBio-998, a new drug candidate designed to be a p38 MAPK inhibitor, in an experimental model of lung inflammation. **Pharmacological Reports**, v. 63, p. 1029-1039, **2011**.

14) Braga, Rodolpho C. ; Fraga, Carlos A. M. ; Andrade, Carolina H. ; OLIVEIRA, VALÃ RIA ; ALVES, VINÃ CIUS M. ; Barreiro, Eliezer J. . Combination of docking, molecular dynamics and quantum mechanical calculations for metabolism prediction of 3,4-methylenedioxybenzoyl-2-thienylhydrazone. **Journal of Molecular Modeling** (Print), v. 18, p. 1-29, **2011**.

15) SANTOS, Jean Leandro dos ; Bosquesi, P L ; Varanda, E A ; LIMA, L. M. ; CHUNG, M. C. . Assessment of the In Vivo Genotoxicity of New Lead Compounds to Treat Sickle Cell Disease. **Molecules** (Basel. Online), v. 16, p. 2982-2989, **2011**.

16) dos Santos, Jean Leandro ; Lanaro, Carolina ; Lima, Li dia Moreira ; Gambero, Sheley ; Franco-Penteado, Carla Fernanda ; Alexandre-Moreira, Magna Suzana ; Wade, Marlene ; Yerigenahally, Shobha ; Kutlar, Abdullah ; Meiler, Steffen E. ; Costa, Fernando Ferreira ; Chung, ManChin . Design, Synthesis, and Pharmacological Evaluation of Novel Hybrid Compounds To Treat Sickle Cell Disease Symptoms. **Journal of Medicinal Chemistry**, v. 54, p. 5811-5819, **2011**.

17) Noël, François ; Pimenta, Paulo Henrique Cotrim ; Santos, Anderson Rouge; Tomaz, Erick Carlos Loureiro ; Quintas, Luis Eduardo Menezes ; Kaiser, Carlos Roland ; Silva, Claudia Lucia Martins ; Férézou, Jean-Pierre. 2,3 -Ivermectin ethyl secoester, a conjugated ivermectin derivative with leishmanicidal activity but without inhibitory effect on mammalian P-type ATPases. **Naunyn-Schmiedeberg's Archives of Pharmacology**, v. 383, p. 101-107, **2011**.

18) Touza, Natália Araújo ; Pôças, Elisa Suzana Carneiro ; Quintas, Luis Eduardo M. ; Cunha-Filho, Geraldino ; Santos, Maria Lucília ; Noël, François . Inhibitory effect of combinations of digoxin and endogenous cardiotonic steroids on Na⁺/K⁺-ATPase activity in human kidney membrane preparation. **Life Sciences** (1973), v. 88, p. 39-42, **2011**.

- 19) Bettero, Gustavo ; Salles, Luisa ; Rosário Figueira, Renata ; Poser, Gilsane von ; Rates, Stela ; Noël, François ; Quintas, Luis . Effect of Valepotriates Isolated from on Rat P-Type ATPases. **Planta Medica**, v. 77, p. 1702-1706, **2011**.
- 20) Oliveira, Suellen D. S. ; Quintas, Luis E. M. ; Amaral, Luciana S. ; Noël, François ; Farsky, Sandra H. ; Silva, Claudia L. M. . Increased Endothelial Cell-Leukocyte Interaction in Murine Schistosomiasis: Possible Priming of Endothelial Cells by the Disease. **Plos One**, v. 6, p. e23547, **2011**.
- 21) LANDGRAF, S. S.; WENGERT, M.; da Silva, Jaqueline S.; ZAPATA-SUDO, G. ; SUDO, R. T.; Takiya, Christina M. ; Pinheiro, A A ; CARUSO-NEVES, C.. Changes in angiotensin receptors expression play a pivotal role in the renal damage observed in spontaneous hypertensive rats. **American Journal of Physiology. Renal Physiology**, v. 300, p. F499-F510, **2011**.
- 22) KIUCHI, M. G. ; ZAPATA-SUDO, G. ; TRACHEZ, M. M. ; RIRIE, D. ; SUDO, R. T. ; SUDO, R. T. Influence of Age on Bupivacaine Cardiotoxicity.. **Anesthesia and Analgesia**, v. 112, p. 574-580, **2011**.
- 23) Leão, R. A. C. ; Pinho, VD ; Coelho, A. S. ; Buarque, C. D. ; Moraes, P.F. ; Alonso, D. A. ; Nájera, C ; COSTA, P.R.R. . Microwave-Promoted Palladium-Catalysed Oxyarylation of Dihydronaphthalene and Chromenes by o-Iodophenols and Its Acetates. **European Journal of Organic Chemistry (Print)**, v. 2011, p. 3313-3316, **2011**.
- 24) Maia, R. C. ; Vasconcelos, F. C. ; Bacelar, T. S. ; Salustiano, E. J. ; da Silva, L. F. R. ; Pereira, D. L. ; Coelho, A. M. ; Netto, C.D. ; da Silva, A. J. M. ; Rumjanek, V. M. ; COSTA, P.R.R. . LQB-118, a pterocarpanquinone structurally related to lapachol [2-hydroxy-3-(3-methyl-2-butenyl)-1,4-naphthoquinone]: a novel class of agent with high apoptotic effect in chronic myeloid leukemia cells. **Investigational New Drugs**, v. 28, p. 50-53, **2011**.
- 25) Cunha-Júnior, E. F. ; Pacienza-Lima, W. ; Ribeiro, G. A. ; Netto, C.D. ; do Canto-Cavalheiro, M. M. ; da Silva, A. J. M. ; COSTA, P.R.R. ; Rossi-Bergman, B. ; Torres-Santos, E. C. . Effectiveness of the local or oral delivery of the novel naphthopterocarpanquinone LQB-118 against cutaneous leishmaniasis. **Journal of Antimicrobial Chemotherapy (Online)**, v. 66, p. 1555-1559, **2011**.
- 26) deLima , E.C. ; de Souza, C. C. ; Vaz, B. G. ; Eberlin, M.N. ; Dias, A. G. ; COSTA, P.R.R. . DBU as a Catalyst for the Synthesis of Amides via Aminolysis

of Methyl Esters. **Journal of the Brazilian Chemical Society** (Impresso), v. 22, p. 2186-2190, **2011**.

27) Leão, R. A. C. ; Moraes, P.F. ; Pedro, M. C. B. C. ; COSTA, P.R.R. . Synthesis of Coumarins Through Zinc Chloride-Catalyzed Hydroarylation of Ethyl Propiolate by Phenols. **Synthesis** (Stuttgart), v. 22, p. 3692-3696, **2011**.

28) Buarque, C. D. ; Militão, G. C. G. ; Lima, D. J. B. ; Costa-Lotufo, L. V. ; Pessoa, C. O. ; Moraes, M. O. ; Cunha-Júnior, E. F. ; Torres-Santos, E. C. ; Netto, C.D. ; COSTA, P.R.R. . Pterocarpanquinones, Aza-pterocarpanquinone and Derivatives: Synthesis, Antineoplastic Activity on Human Malignant Cell Lines and Antileishmanial Activity on *Leishmania amazonensis*. **Bioorganic & Medicinal Chemistry** (Print), v. 19, p. 6885-6891, **2011**.

29) Castro, C. P.; Vasconcelos, F. C.; da Silva, A. J. M. ; Rumjanek, V. M. ; COSTA, P.R.R.; Maia, R. C.. The New Synthetic Compound Pterocarpanquinone LQB-118 Induces Apoptosis in Acute Myeloid Leukemia Cells Through Survivin and XIAP Downregulation. **European Journal of Cancer**, v. 47, p. s148-s148, **2011**.

30) Marinho, Diogo Guimarães ; Alviano, Daniela Sales ; MATHEUS, Maria Eline; Alviano, Celuta Sales ; Fernandes, Patricia Dias . The latex obtained from *Hancornia speciosa* Gomes possesses anti-inflammatory activity. **Journal of Ethnopharmacology**, v. 135, p. 530-537, **2011**.

31) Radulović, Niko S. ; Miltojević, Ana B. ; McDermott, Michael ; Waldren, Steve; Parnell, John Adrian ; Pinheiro, Mariana Martins Gomes ; Fernandes, Patricia Dias ; de Sousa Menezes, Fabio . Identification of a new antinociceptive alkaloid isopropyl N-methylantranilate from the essential oil of *Choisya ternata* Kunth. **Journal of Ethnopharmacology**, p. 610-619, **2011**.

32) Guilhon, Carolina C. ; Raymundo, Larissa J.R.P. ; Alviano, Daniela S. ; Blank, Arie F. ; Arrigoni-Blank, Maria F. ; MATHEUS, Maria Eline ; Cavalcanti, Sócrates C.H. ; Alviano, Celuta S. ; Fernandes, Patrícia D. . Characterisation of the anti-inflammatory and antinociceptive activities and the mechanism of the action of *Lippia gracilis* essential oil. **Journal of Ethnopharmacology**, v. 135, p. 406-413, **2011**.

33) de Souza, Pedro A.V. Reis ; Palumbo, Antonio ; Alves, Leandro M. ; de Souza, Valéria Pereira ; Cabral, Lúcio M. ; Fernandes, Patrícia D. ; Takiya, Christina M. ; Menezes, Fábio S. ; Nasciutti, Luiz E. . Effects of a nanocomposite containing *Orbigynya speciosa* lipophilic extract on Benign

Prostatic Hyperplasia. **Journal of Ethnopharmacology**, v. 135, p. 135-146, 2011.

34) Raymundo, Larissa J.R.P. ; Guilhon, Carolina C.; Alviano, Daniela S. ; MATHEUS, Maria Eline ; Antonioli, Angelo R.; Cavalcanti, Sócrates C.H. ; Alves, Pérciles B.; Alviano, Celuta S. ; Fernandes, Patrícia D.. Characterisation of the anti-inflammatory and antinociceptive activities of the Hyptis pectinata (L.) Poit essential oil. **Journal of Ethnopharmacology**, v. 134, p. 725-732, 2011.

35) Fernandes, Patricia Dias ; GOMES, Niele de Matos ; Sirois, Pierre . The bradykinin B1 receptor antagonist R-954 inhibits Ehrlich tumor growth in rodents. **Peptides** (New York, N.Y. 1980), v. 32, p. 1849-1854, 2011.

36) MARINHO, Bruno Guimarães; Miranda, Leandro S.M. ; Meireles, Bruno A.; Vasconcellos, Mário L.A.A. ; Matheus, Maria E. ; Pereira, Vera L.P.; Fernandes, Patricia D. . Antinociceptive activity of ()-(2S,6S)-(6-ethyl-tetrahydropyran-2-yl)-formic acid on acute pain in mice. **Behavioural Pharmacology**, v. 22, p. 564-572, 2011.

37) FRANCO, C. F. J. ; JORDAO, A. K. ; FERREIRA, V. F. ; PINTO, A. C. ; SOUZA, M. C. B. V. ; RESENDE, J. A. L. C. ; CUNHA, A. C. . Synthesis of new 2-aminocarbohydrate-1,4-naphthoquinone derivatives promoted by ultrasonic irradiation. **Journal of the Brazilian Chemical Society** (Impresso), v. 22, p. 187-193, 2011.

38) Gabriel, Daniele ; Pontes, Luana Braga ; da Silva, Jaqueline Soares ; Sudo, Roberto Takashi ; Corrêa, Marilza Baptista ; Pinto, Angelo C. ; Garden, Simon John ; Zapata-Sudo, Gisele . Pharmacological Activity of Novel 2-Hydroxyacetophenone Isatin Derivatives on Cardiac and Vascular Smooth Muscles in Rats. **Journal of Cardiovascular Pharmacology**, v. 57, p. 20-27, 2011.

39) Silva, Bárbara V ; Esteves, Pierre M. ; Pinto, Angelo C. . Chlorination of isatins with trichloroisocyanuric acid. **Journal of the Brazilian Chemical Society** (Impresso), v. 22, p. 257-263, 2011.

40) Silva, Bárbara V.; Violante, Flávio A. ; Pinto, Angelo C. ; Santos, Leonardo S. The mechanism of Sandmeyer's cyclization reaction by electrospray ionization mass spectrometry. RCM. **Rapid Communications in Mass Spectrometry**, v. 25, p. 423-428, 2011.

41) Araujo J Q ; LIMA, J. A. ; Pinto, Angelo C. ; ALENCASTRO, R. B. ; ALBUQUERQUE, M. G. Docking of the alkaloid geissospermine into

acetylcholinesterase: a natural scaffold targeting the treatment of Alzheimer s disease. **Journal of Molecular Modeling** (Online), v. 17, p. 1401-1412, **2011**.

42) MAIA, L. F.; FLEURY, B. G. ; Lages, Bruno G. ; Pinto, Angelo C. ; BARBOSA, J. P ; Castro H V ; de Oliveira, Vanessa E. ; Edwards, Howell G. M.; de Oliveira, Luiz F. C.. Identification of reddish pigments in octocorals by Raman spectroscopy. **Journal of Raman Spectroscopy**, v. 42, p. 653-658, **2011**.

43) FLEURY, B. G. ; Figueiredo L ; Marconi M I ; TEIXEIRA, V. L. ; Ferreira A B B ; Pinto, Angelo C. . Fatty Acids as Chemotaxonomic Markers of Marine Macrophytes from Rio de Janeiro State, Brazil. **Natural Product Communications**, v. 6, p. 667-672, **2011**.

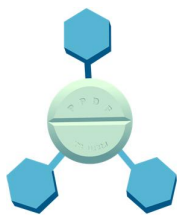
44) Boechat, Nubia ; Ferreira, Vitor F.; Ferreira, Sabrina B ; Ferreira, Maria de Lourdes G.; da Silva, Fernando de C.; Bastos, Monica M.; Costa, Marilia dos S.; Lourenc o, Maria Cristina S.; Pinto, Angelo C. ; Krettli, Antoniana U. ; Aguiar, Anna Caroline ; Teixeira, Brunno M.; da Silva, Nathalia V.; Martins, Priscila R. C. ; Bezerra, Flavio Augusto F. M. ; Camilo, Ane Louise S.; da Silva, Gerson P. ; Costa, Carolina C. P.. Novel 1,2,3-Triazole Derivatives for Use against Mycobacterium tuberculosis H37Rv (ATCC 27294) Strain. **Journal of Medicinal Chemistry**, v. 54, p. 5988-5999, **2011**.

45) Ferreira, Sabrina Baptista ; Salomão, Kelly; de Carvalho da Silva, Fernando ; Pinto, Antônio Ventura ; Kaiser, Carlos Roland ; Pinto, Angelo C. ; Ferreira, Vitor Francisco; de Castro, Solange L.. Synthesis and anti-Trypanosoma cruzi activity of -lapachone analogues. **European Journal of Medicinal Chemistry**, v. 46, p. 3071-3077, **2011**.

46) Muzitano, Michelle F. ; Bergonzi, Maria Camilla; De Melo, Giany O. ; Lage, Celso L.S. ; Bilia, Anna Rita ; Vincieri, Franco F.; ROSSI-BERGMANN, Bartira ; Costa, Sônia S. . Influence of cultivation conditions, season of collection and extraction method on the content of antileishmanial flavonoids from Kalanchoe pinnata. **Journal of Ethnopharmacology**, v. 133, p. 132-137, **2011**.

47) CHAVES, Douglas Siqueira de Almeida ; Frattani F; Assafim M; ALMEIDA, Ana Paula de ; ZINGALI, Russolina B ; COSTA, S. S.. Phenolic Chemical Composition of Petroselinum crispum Extract and Its Effect on Haemostasis. **Natural Product Communications**, v. 6, p. 961-964, **2011**.

48) da Silva Machado, Fernanda ; Pacienza-Lima, Wallace; ROSSI-BERGMANN, Bartira ; de Souza Gestinari, Lísia ; Fujii, Mutue ; Campos de



PPDF

**PROGRAMA DE PESQUISA EM
DESENVOLVIMENTO DE FÁRMACOS**

Paula, Joel ; Costa, Sônia ; Lopes, Norberto ; Kaiser, Carlos ; Soares, Angélica;
COSTA, S. S.. Antileishmanial Sesquiterpenes from the Brazilian Red Alga.
Planta Medica, v. 77, p. 733-735, 2011.