

Artigos científicos

2009

1) Lacerda, R. B. ; Lima, CKF ; Leandro L. Silva ; ROMEIRO, N. C. ; MIRANDA, Ana Luisa P ; BARREIRO, E. J. ; FRAGA, C. A. M. . Discovery of novel analgesic and anti-inflammatory 3-arylamine-imidazo[1,2-a]pyridine symbiotic prototypes. **Bioorganic & Medicinal Chemistry**, v. 17, p. 74-84, **2009**.

2) De Freitas, Guilherme B.L. ; da Silva, Leandro L. ; Romeiro, Nelilma C. ; FRAGA, C. A. M. . Development Of Comfa And Comsia Models Of Affinity And Selectivity For Indole Ligands Of Cannabinoid Cb1 And Cb2 Receptors. **European Journal of Medicinal Chemistry**, v. 44, p. 2482-2496, **2009**.

3) Fraga, Carlos A. M. . Drug hybridization strategies: before or after lead identification?. **Expert Opinion on Drug Discovery** (Print), v. 4, p. 605-609, **2009**.

4) CARVALHO, Samir D'aquino ; Harrison, William T A ; Fraga, Carlos A. M. ; SILVA, Edson Ferreira da ; Wardell, James L. ; Wardell, S. M. S. V. . 5-Phenyl-2-(Benzalhydrazonyl)-1,3,4-Thiadiazoles, Potential Trypanocidal Agents: Consistent Dimer Formation Via N H N Intermolecular Hydrogen Bonds. **Zeitschrift für Kristallographie**, v. 224, p. 598-606, **2009**.

5) ROMEIRO, N. C.; AGUIRRE, G. ; HERNANDEZ, P ; GONZALEZ, M. ; CERECETTO, H. ; ALDANA, I ; PEREZSILANES, S ; Monge, A ; BARREIRO, E. J. ; LIMA, L. M. . Synthesis, trypanocidal activity and docking studies of novel quinoxaline-N-acylhydrazones, designed as cruzain inhibitors candidates. **Bioorganic & Medicinal Chemistry**, v. 17, p. 641-652, **2009**.

6) ROMEIRO, N. C. ; LEITE, Ramon Delano Ferreira ; LIMA, L. M. ; CARDOSO, Suzana Vanessa Soares ; MIRANDA, A L P ; FRAGA, C. A. M. ; BARREIRO, E. J.. Synthesis, pharmacological evaluation and docking studies of new sulindac analogues. **European Journal of Medicinal Chemistry**, v. 44, p. 1959-1971, **2009**.

7) Barbosa M L C ; Melo G M A ; da Silva Y K C ; Lopes R O ; Queiroz A C ; Smaniotto S ; MOREIRA, Magna Suzana Alexandre ; BARREIRO, E. J. ; LIMA, L. M.. Synthesis and pharmacological evaluation of N-phenyl-acetamide

sulfonamides designed as novel non-hepatotoxic analgesic candidates. **European Journal of Medicinal Chemistry**, v. 44, p. 3612-3620, 2009.

8) KUMMERLE, A. E. ; RAIMUNDO, J. M. ; Leal C M ; da Silva G S ; Balliano T L ; Pereira M A ; de Simone C A ; SUDO, Roberto Takashi ; ZAPATA-SUDO, Gisele ; FRAGA, C. A. M. ; BARREIRO, E. J. . Studies towards the identification of putative bioactive conformation of potent vasodilator arylidene N-acylhydrazone derivatives. **European Journal of Medicinal Chemistry**, v. 44, p. 4004-4009, 2009.

9) KUMMERLE, A. E. ; MARTINS, Marina V ; Schmitt M ; MIRANDA, Ana Luisa Palhares de ; FRAGA, C. A. M. ; BOURGUIGNON, J. ; BARREIRO, E. J.. Design, synthesis and analgesic properties of novel conformationally-restricted N-acylhydrazones (NAH). **Bioorganic & Medicinal Chemistry Letters**, v. 19, p. 4963-4966, 2009.

10) TRIBUTINO, Jorge Luiz Mendonça ; DUARTE, Carolina de Mattos ; Corrêa R S ; Doriguetto A C ; Elena J ; ROMEIRO, N. C. ; CASTRO, N. G. ; MIRANDA, Ana Luisa P ; BARREIRO, E. J. ; FRAGA, C. A. M. . Novel 6-methanesulfonamide-3,4-methylenedioxyphenyl-N-acylhydrazones: Orally effective anti-inflammatory drug candidates. **Bioorganic & Medicinal Chemistry**, v. 17, p. 1125-1131, 2009.

11) Maia R C ; Leandro L. Silva ; Mazzeu E F ; Fumian M M ; Rezende C M ; Doriguetto A C ; Corrêa R S ; MIRANDA, Ana Luisa P ; BARREIRO, E. J. ; FRAGA, C. A. M.. Synthesis and Analgesic Profile of Conformationally Constrained N-Acylhydrazone Analogues: Discovery of Novel N-Arylideneamino Quinazolin-4(3H)-one Compounds Derived from Natural Safrole. **Bioorganic & Medicinal Chemistry**, p. 6517-6525, 2009.

12) ALVES, Fernando Rodrigues de Sá ; BARREIRO, E. J. ; FRAGA, C. A. M. . From nature to drug discovery:the indole scaffold as a "privileged structure". **Mini - Reviews in Medicinal Chemistry**, v. 9, p. 782-793, 2009.

13) Mendes Thaiana CF ; RAIMUNDO, Juliana M ; Nascimento-Junior Nailton M ; FRAGA, C. A. M. ; BARREIRO, E. J. ; SUDO, Roberto Takashi ; ZAPATA-SUDO, Gisele . Sedation and antinociception induced by a new pyrazolo[3,4-b]pyrrolo[3,4-d]pyridine derivative (LASSBio-873) is modulated by activation of muscarinic receptors. **Pharmacology, Biochemistry and Behavior**, v. 94, p. 70-74, 2009.

- 14) AVILA, C. M.; ROMEIRO, N. C.; SANTANNA, Carlos Mauricio R ; BARREIRO, E. J. . Structural insights into IKK β inhibition by natural products staurosporine and quercetin. **Bioorganic & Medicinal Chemistry Letters**, v. 19, p. 6907-6910, **2009**.
- 15) ZAPATA-SUDO, Gisele; Pereira, Sharlene L.; Beiral, Hellen J.V. ; Kummerle, Arthur E. ; Raimundo, Juliana M. ; Antunes, Fernanda ; Sudo, Roberto T. ; Barreiro, Eliezer J. ; Fraga, Carlos A.M.. Pharmacological Characterization of (3-Thienylidene)-3,4-Methylenedioxybenzoylhydrazide: A Novel Muscarinic Agonist With Antihypertensive Profile. **American Journal of Hypertension**, v. 23, p. 135-141, **2009**.
- 16) Quintas, Luis Eduardo M.; Noël, F. Mechanisms of adaptive supersensitivity in vas deferens. **Autonomic Neuroscience**, v. 146, p. 38-46, **2009**.
- 17) Santos, Fábio Monteiro dos ; Gonçalves, José Carlos Saraiva ; Caminha, Ricardo ; da Silveira, Gabriel Estolano ; Neves, Cláudia Silvana de Miranda ; Gram, Karla Regina da Silva ; Ferreira, Carla Teixeira ; Jacqmin, Philippe ; Noël, François . Pharmacokinetic/Pharmacodynamic Modeling of Psychomotor Impairment Induced by Oral Clonazepam in Healthy Volunteers. **Therapeutic Drug Monitoring** (Print), v. 31, p. 566-574, **2009**.
- 18) RAIMUNDO, J. M. ; Trindade, A. P. F. ; VELOZO, L.S.M ; KAPLAN, M. A.; SUDO, R. T. ; ZAPATA-SUDO, G. . The lignan eudesmin extracted from *Piper truncatum* induced vascular relaxation via activation of endothelial H1 receptors. **European Journal of Pharmacology**, v. 606, p. 150-154, **2009**.
- 19) Scaramello, Christianne B.V. ; Muzi-Filho, Humberto ; Zapata-Sudo, Gisele; Sudo, Roberto T. ; Cunha, Valéria do M.N. . FKBP12 Depletion Leads to Loss of Sarcoplasmic Reticulum Ca²⁺ Stores in Rat Vas Deferens. **Journal of Pharmacological Sciences**, v. 109, p. 185-192, **2009**.
- 20) LAUTNER, Roberto Q ; ZAPATA-SUDO, G. ; SUDO, R. T. . Relaxation of tracheal smooth muscle independent on functional epithelium cells induced by lidocaine, bupivacaine and isomers in rats. **European Journal of Pharmacology**, v. 610, p. 93-98, **2009**.
- 21) PETTERSEN, V. L. A. ; ZAPATA-SUDO, G. ; RAIMUNDO, J. M. ; TRACHEZ, M. M. ; SUDO, R. T. . Synergistic Interaction between Morphine and Maprotiline after Intrathecal Injection in Rats. **Anesthesia and Analgesia**, v. 109, p. 1312-1317, **2009**.

22) MATOS, A. R. ; SAMBUUGHIN, Nyamkhishing ; RUMJANEK, F. D. ; ZAPATA-SUDO, G. ; SUDO, R. T. . Multigenerational Brazilian Family with Malignant Hyperthermia and Novel Mutation in the RYR1 Gene. **Brazilian Journal of Medical and Biological Research** (Impresso), v. 42, p. 1218-1224, **2009**.

23) VICENTE, Esther ; PÉREZ, Silvia ; LIMA, L. M ; Ancizu, S ; Burguete, A. ; SOLANO, Beatriz ; VILLAR, R. ; ALDANA, Ignacio ; MONGE, Antonio . Selective activity against Mycobacterium tuberculosis of new quinoxaline 1,4-di-N-oxide. **Bioorganic & Medicinal Chemistry**, v. 17, p. 385-389, **2009**.

24) Thibaut, JPB ; Monteiro, L. M. ; Leite, L. C. C.; MENEZES, C. M. S. ; LIMA, L. M ; NOEL, François German. The effects of 3-methylclonazepam on Schistosoma mansoni musculature are not mediated by benzodiazepine receptors. **European Journal of Pharmacology**, v. 606, p. 9-16, **2009**.

25) Malta, L. F. B. ; Senra, J. D. ; TINOCO, L. W. ; MEDEIROS, M. E. ; Antunes, O. A. C. . Chiral Recognition of 2-Hydroxypropyl- α -cyclodextrin Towards DL-Tryptophan. **Letters in Organic Chemistry**, v. 6, p. 258-263, **2009**.

26) Borges, R. M. ; TINOCO, L. W. ; Dias Filho, J. ; Barbi, N. S. ; SILVA, A. J. R.. Two New Oleanane Saponins from Chiococca alba (L.) Hitch. **Journal of the Brazilian Chemical Society** (Impresso), v. 20, p. 1738-1741, **2009**.

27) Figueroa-Villar, Jose D.; TINOCO, L. W. . Spin-Lattice Relaxation Time in Drug Discovery and Design. **Current Topics in Medicinal Chemistry** (Print), v. 9, p. 811-823, **2009**.

28) RINALDI, Sebastian ; Silva, Davi O. ; Bello, Fabiana ; Alviano, Celuta S. ; Alviano, Daniela S. ; MATHEUS, Maria Eline ; Fernandes, Patricia D. . Characterization of the antinociceptive and anti-inflammatory activities from Cocos nucifera L. (Palmae). **Journal of Ethnopharmacology**, v. 122, p. 541-546, **2009**.

29) da Silva, A. J. M. ; Netto, C.D. ; Pacienza-Lima, W. ; Torres-Santos, E. C. ; Rossi-Bergman, B. ; Maurel, S. ; Valentin, A. ; COSTA, P.R.R. . Antitumoral, Antileishmanial and Antimalarial Activity of Pentacyclic 1,4-Naphthoquinone Derivatives. **Journal of the Brazilian Chemical Society** (Impresso), v. 20, p. 176-182, **2009**.

30) Netto, C.D.; Santos, E. S. J.; Castro, C. P ; da Silva, A. J. M.; Rumjanek, V. M.; COSTA, P.R.R.. ()-3,4-Dihydroxy-8,9-methylenedioxypterocarpan and

derivatives: Cytotoxic effect on human leukemia cell lines. **European Journal of Medicinal Chemistry**, v. 44, p. 920-925, 2009.

31) Dias, A. G. ; Santos, C. E. V. ; Cyrino, F. Z.G.A. ; Bouskela, E. ; COSTA, P.R.R. . N-tert-Butyl and N-Methyl Nitrones Derived from Aromatic Aldehydes Inhibit Macromolecular Permeability Increase Induced by Ischemia/Reperfusion in Hamsters. **Bioorganic & Medicinal Chemistry (Print)**, v. 17, p. 3995-3998, 2009.

32) Pôças, E. S. C. ; COSTA, P.R.R. ; Noel, F.G. . Inhibition of the $\alpha_1\beta_1$ Isoform of the Na, K-ATPase by 8-Methoxycoumestrol without Positive Inotropic Effect in Human Myocardium - Novel Aspects of Cardiac Glycoside Pharmacology. **Journal of Cardiovascular Pharmacology**, v. 54, p. 10-15, 2009.

33) Frota, L. C. R. M. ; Gomes, S. L. S. ; COSTA, P.R.R. . Iodination of Phenols in Water Using Easy to Handle Amine-Iodine Complexes. **Journal of the Brazilian Chemical Society (Impresso)**, v. 20, p. 1916-1920, 2009.

34) Lima, Josélia A.; Costa, Rodrigo Saar ; Epifânio, Rosangela A.; Castro, Newton G.; Rocha, Mônica S.; Pinto, Angelo C.. Geissospermum vellosii stem bark Anticholinesterase activity and improvement of scopolamine-induced memory deficits. **Pharmacology, Biochemistry and Behavior**, v. 92, p. 508-513, 2009.

35) Amorim, Ana Carolina L. ; Hovell, Ana Maria C. ; Pinto, Angelo C. ; Eberlin, Marcos N. ; Arruda, Neusa P. ; Pereira, Elenilda J. ; Bizzo, Humberto R. ; Catharino, Rodrigo R. ; Morais Filho, Zenildo B. ; Rezende, Claudia M. . Green and roasted arabica coffees differentiated by ripeness, process and cup quality via electrospray ionization mass spectrometry fingerprinting. **Journal of the Brazilian Chemical Society**, v. 20, p. 313-321, 2009.

36) CURIO, M.; JACONE, H.; PERRUT, J.; PINTO, A. C. ; VEIGA JR, V. F. ; SILVA, R. C. B.. Acute effect of Copaifera reticulata Ducke copaiba oil in rats tested in the elevated plus-maze: an ethological analysis. **Journal of Pharmacy and Pharmacology**, v. 61, p. 1105-1110, 2009.

37) Silva J R A; ZOGHBI, M. G. B.; Pinto, Angelo C.; GODOY, R. L. O ; AMARAL, A. C. F.. Analysis of the Hexane Extracts From Seven Oleoresins of Protium Species. **The Journal of Essential Oil Research**, v. 21, p. 305-308, 2009.

38) SILVA, F. C.; FERREIRA, S. B. ; KAISER, C. R. ; PINTO, A. C. ; FERREIRA, V. F. Synthesis of alfa and beta-lapachone derivatives from hetero

Diels-Alder trapping of alkyl and aryl o-quinone methides. **Journal of the Brazilian Chemical Society** (Impresso), v. 20, p. 1478-1482, **2009**.

39) FERREIRA, S. B.; SILVA, F. C.; Pinto, Angelo C.; GONZAGA, D. T. G. ; FERREIRA, V. F.. Syntheses of chromenes and chromanes via o-quinone methide intermediates. **Journal of Heterocyclic Chemistry**, v. 46, p. 1080-1097, **2009**.

40) MUZITANO, Michelle Frazão ; Falcão C. A. B. ; CRUZ, E. A. ; Bergonzi M. C.; Bília A. R. ; Vincieri F. F. ; ROSSI-BERGMANN, Bartira ; COSTA, S. S.. Oral Metabolism and Efficacy of Kalanchoe pinnata Flavonoids in a Murine Model of Cutaneous Leishmaniasis . **Planta Medica**, v. 75, p. 307-311, **2009**.

41) De Melo, Giany O.; Malvar, David do C. ; Vanderlinde, Frederico A. ; Rocha, Fabio F. ; Pires, Priscila Andrade ; Costa, Elson A. ; de Matos, Lécia G.; Kaiser, Carlos R. ; COSTA, S. S.. Antinociceptive and anti-inflammatory kaempferol glycosides from Sedum dendroideum. **Journal of Ethnopharmacology**, v. 124, p. 228-232, **2009**.