

1. ANDRADE, C. H. ; KUMMERLE, A. E. ; GUIDO, R. V. C. . Perspectivas da química medicinal para o século XXI: desafios e oportunidades. QUIMICA NOVA, v. 41, p. 1, 2018.

2. PARRA, LIZBETH L. L. ; BERTONHA, ARIANE F. ; SEVERO, IVAN R. M. ; AGUIAR, ANNA C. C. ; DE SOUZA, GUILHERME E. ; Oliva, Glaucius ; Guido, Rafael V. C. ; GRAZZIA, NATHALIA ; COSTA, TÁBATA R. ; MIGUEL, DANILÓ C. ; GADELHA, FERNANDA R. ; FERREIRA, ANTONIO G. ; HAJDU, EDUARDO ; ROMO, DANIEL ; BERLINCK, ROBERTO G. S. . Isolation, Derivative Synthesis, and Structure-Activity Relationships of Antiparasitic Bromopyrrole Alkaloids from the Marine Sponge *Tedania brasiliensis*. JOURNAL OF NATURAL PRODUCTS, v. 81, p. 1, 2018.

3. POLITI, FLÁVIO AUGUSTO SANCHES ; NASCIMENTO, JULIANA DAMIELI ; DA SILVA, ALEXANDER ALVES ; MORO, ISABELA JACOB ; GARCIA, MARIANA LOPES ; GUIDO, RAFAEL VICTÓRIO CARVALHO ; PIETRO, ROSEMEIRE CRISTINA LINHARI RODRIGUE ; GODINHO, ANTÔNIO FRANCISCO ; FURLAN, MAYSA . Insecticidal activity of an essential oil of *Tagetes patula* L. (Asteraceae) on common bed bug *Cimex lectularius* L. and molecular docking of major compounds at the catalytic site of CIAChe1. Parasitology Research (1987. Print), v. 116, p. 415-424, 2017.

Citation:1|2

4. PEREIRA, MARCOS ; DA SILVA, TITO ; AGUIAR, ANNA ; Oliva, Glaucius ; GUIDO, RAFAEL ; YOKOYAMA-YASUNAKA, JENICER ; ULIANA, SILVIA ; LOPES, LUCIA . Chemical Composition, Antiprotozoal and Cytotoxic Activities of Indole Alkaloids and Benzofuran Neolignan of *Aristolochia cordigera*. Planta Medica, v. 83, p. 334, 2017.

5. GODOY, ANDRE S. ; LIMA, GUSTAVO M. A. ; OLIVEIRA, KETLLYN I. Z. ; TORRES, NAIARA U. ; MALUF, FERNANDO V. ; Guido, Rafael V. C. ; Oliva, Glaucius . Crystal structure of Zika virus NS5 RNA-dependent RNA polymerase. Nature Communications, v. 8, p. 14764, 2017.

Citation:5|10

6. AGUIAR, A. C. C. ; SOUSA, L. R. F. ; GARCIA, CELIA R. S. ; OLIVA, G. ; GUIDO, R. V. C. . New Molecular Targets and Strategies for Antimalarial Discovery. CURRENT MEDICINAL CHEMISTRY, v. 24, p. 78, 2017.

7. LAW, SIMON ; PANWAR, PREETY ; LI, JODY ; AGUDA, ADELEKE H. ; JAMROZ, ANDREW ; Guido, Rafael V. C. ; Brömmle, Dieter . A composite docking approach for the identification and characterization of ectosteric inhibitors of cathepsin K. PLoS One, v. 12, p. e0186869, 2017.

8. AMARAL, ANTONIA T. ; ANDRADE, CAROLINA HORTA ; KUMMERLE, ARTHUR ; Guido, Rafael V. C. . A evolução da Química Medicinal no Brasil: avanços nos 40 anos da Sociedade Brasileira de Química. QUIMICA NOVA, v. 40, p. 694-700, 2017.

9. ALVES, EDUARDO ; MALUF, FERNANDO V. ; BUENO, VÂNIA B. ; Guido, Rafael V. C. ; Oliva, Glaucius ; SINGH, MANEESH ; SCARPELLI, PEDRO ; COSTA, FAHYME ; SARTORELLO, ROBSON ; CATALANI, LUIZ H. ; BRADY, DECLAN ; TEWARI, RITA ; GARCIA, CELIA R. S. . Biliverdin targets enolase and eukaryotic initiation factor 2 (eIF2 α) to reduce the growth of intraerythrocytic development of the malaria parasite Plasmodium falciparum. *Scientific Reports*, v. 6, p. 22093, 2016.

Citation:3|3

10. SOUZA-MOREIRA, TATIANA M. ; ALVES, THAÍS B. ; PINHEIRO, KARINA A. ; FELIPPE, LIDIANE G. ; DE LIMA, GUSTAVO M. A. ; WATANABE, TATIANA F. ; BARBOSA, CRISTINA C. ; SANTOS, VÂNIA A. F. F. M. ; LOPES, NORBERTO P. ; VALENTINI, SANDRO R. ; Guido, Rafael V. C. ; FURLAN, MAYSA ; ZANELLI, CLESLEI F. . Friedelin Synthase from Maytenus ilicifolia: Leucine 482 Plays an Essential Role in the Production of the Most Rearranged Pentacyclic Triterpene. *Scientific Reports*, v. 6, p. 36858, 2016.

Citation:1|1

11. CORNELIO, VIVIAN ; MALUF, FERNANDO ; FERNANDES, JOÃO ; DA SILVA, MARIA FÁTIMA ; Oliva, Glaucius ; GUIDO, RAFAEL ; VIEIRA, PAULO . Isolation of Tiliroside from *Spiranthera odoratissima* as Inhibitor of *Trypanosoma cruzi* Glyceraldehyde-3-phosphate Dehydrogenase by Using Bioactivity-Guided Fractionation. *Journal of the Brazilian Chemical Society (Impresso)*, v. 28, p. 512-519, 2016.

Citation:1|2

12. ALVES, EDUARDO ; IGLESIAS, BERNARDO A. ; DEDA, DAIANA K. ; BUDU, ALEXANDRE ; MATIAS, TIAGO A. ; BUENO, VÂNIA B. ; MALUF, FERNANDO V. ; Guido, Rafael V.C. ; Oliva, Glaucius ; CATALANI, LUIZ H. ; ARAKI, KOITI ; GARCIA, CELIA R.S. . Encapsulation of metalloporphyrins improves their capacity to block the viability of the human malaria parasite *Plasmodium falciparum*. *Nanomedicine*, v. 11, p. 351-358, 2015.

Citation:5|2

13. MOREIRA, L. G. ; ORELLANO, E. A. ; ROSADO, K. ; GUIDO, R. V. C. ; ANDRICOPULO, A. D. ; CARBALLEIRA, NÉSTOR M. . The (5Z)-5-Pentacosenoic and 5-Pentacosynoic Acids Inhibit the HIV-1 Reverse Transcriptase with Molecular Interactions Similar to Nervonic Acid. *Lipids*, v. 50, p. 1000, 2015.

14. CAMILO, C. M. ; LIMA, G. M. A. ; GUIDO, R. V. C. ; POLIKARPOV, I. . HTP-OligoDesigner: an online primer design tool for high-throughput gene cloning and site-directed mutagenesis. *Journal of Computational Biology*, v. 22, p. 1, 2015.

Citation:1

15. PANWAR, P. ; SØE, K. ; GUIDO, R. V. C. ; BUENO, R. V. ; DELAISSE, J. M. ; BROMME, DIETER . A novel approach to inhibit bone resorption: exosite inhibitors against cathepsin K. *British Journal of Pharmacology*, v. 172, p. 4801-4805, 2015.

Citation:6|3

16. LOZANO, N. B. H. ; OLIVEIRA, R. F. ; WEBER, K. C. ; HONORIO, K. M. ; GUIDO, R. V. C. ; ANDRICOPULO, A. D. ; da SILVA, A. B. F. . Pattern Recognition Techniques Applied to the Study of Leishmanial Glyceraldehyde-3-Phosphate Dehydrogenase Inhibition. International Journal of Molecular Sciences (Online), v. 15, p. 3145-3150, 2014.

Citation:3|3

17.

CARBALLEIRA, NÉSTOR M. ; BWALYA, ANGELA GONO ; ITOE, MAURICE AYAMBA ; Andricopulo, Adriano D. ; CORDERO-MALDONADO, MARÍA LORENA ; KAISER, MARCEL ; MOTA, MARIA M. ; CRAWFORD, ALEXANDER D. ; Guido, Rafael V.C. ; TASDEMIR, DENIZ . 2-Octadecynoic acid as a dual life stage inhibitor of Plasmodium infections and plasmoidal FAS-II enzymes. Bioorganic & Medicinal Chemistry Letters (Print), v. 24, p. 4151-4157, 2014.

Citation:1|2

18. SHARMA, VIDHU ; PANWAR, PREETY ; O'DONOOGHUE, ANTHONY ; CUI, HAORAN ; GUIDO, RAFAEL ; CRAIK, CHARLES ; BROMME, DIETER . Structural requirements for the collagenase and elastase activity of cathepsin K and its selective inhibition by an exosite inhibitor. Biochemical Journal (London. 1984), v. 465, p. 163-173, 2014.

Citation:9|18

19. Martins, Priscila Graziela Alves ; MENEGATTI, ANGELA CAMILA ORBEM ; CHIARADIA-DELATORRE, LOUISE DOMENEGHINI ; DE OLIVEIRA, KELY NAVAKOSKI ; Guido, Rafael Victorio Carvalho ; Andricopulo, Adriano Defini ; Vernal, Javier ; Yunes, Rosendo Augusto ; Nunes, Ricardo José ; Terenzi, Hernán . Synthetic chalcones and sulfonamides as new classes of *Yersinia enterocolitica* YopH tyrosine phosphatase inhibitors. European Journal of Medicinal Chemistry, v. 64, p. 35-41, 2013.

Citation:3|4

20. LOZANO, NORKA ; OLIVEIRA, RAFAEL ; WEBER, KAREN ; HONORIO, KATHIA ; GUIDO, RAFAEL ; ANDRICOPULO, ADRIANO ; SILVA, ALBÉRICO . Identification of Electronic and Structural Descriptors of Adenosine Analogues Related to Inhibition of Leishmanial Glyceraldehyde-3-Phosphate Dehydrogenase. Molecules (Basel. Online), v. 18, p. 5032-5050, 2013.

Citation:7|6

21. PAULI, IVANI ; SANTOS, RICARDO N. ; ROSTIROLLA, DIANA CAROLINA ; MARTINELLI, LEONARDO K. ; DUCATI, RODRIGO GAY ; TIMMERS, LUIS FERNANDO SARAIVA MACEDO ; BASSO, LUIZ AUGUSTO ; SANTOS, DIOGENES S. ; Guido, Rafael V. C. ; Andricopulo, Adriano D. ; NORBERTO DE SOUZA, OSMAR . Discovery of New Inhibitors of Mycobacterium tuberculosis InhA Enzyme using Virtual Screening and a 3D-Pharmacophore-Based Approach. Journal of Chemical Information and Modeling, v. 53, p. 130727105714001, 2013.

Citation:14|26

22. MALUF, F. V. ; ANDRICOPULO, A. D. ; OLIVA, G. ; GUIDO, R. V. C. . A pharmacophore-based virtual screening approach for the discovery of GAPDH inhibitors. Future Medicinal Chemistry, v. 5, p. 2019-2035, 2013.

Citation:11|13

23. GUIDO, R. V. C.; DIAS, L. C. ; DESSOY, M. A. ; Oliva, Glaucius ; ANDRICOPULO, ADRIANO . Doenças Tropicais Negligenciadas: Uma Nova Era de Desafios e Oportunidades. Química Nova (Impresso), v. 36, p. 1500, 2013.

24. Chiaradia, Louise Domeneghini ; Martins, Priscila Graziela Alves ; Cordeiro, Marlon Norberto Sechini ; Guido, Rafael Victorio Carvalho ; Ecco, Gabriela ; Andricopulo, Adriano Defini ; Yunes, Rosendo Augusto ; Vernal, Javier ; Nunes, Ricardo José ; Terenzi, Hernán . Synthesis, Biological Evaluation, And Molecular Modeling of Chalcone Derivatives As Potent Inhibitors of *Mycobacterium tuberculosis* Protein Tyrosine Phosphatases (PtpA and PtpB). *Journal of Medicinal Chemistry*, v. 55, p. 390-402, 2012.

Citation:32|44

25. GUIDO, R. V. C.; OLIVA, G. ; ANDRICOPULO, A. D. . Structure- and Ligand-based Drug Design Approaches for Neglected Tropical Diseases. *Pure and Applied Chemistry. Pure and Applied Chemistry (Print)*, v. 84, p. 1857-1866, 2012.

Citation:5|4

26. LOZANO, N. B. H. ; WEBER, K. C. ; HONORIO, K. M. ; GUIDO, R. V. C. ; ANDRICOPULO, A. D. ; da SILVA, A. B. F. . Theoretical Models for the Antitrypanosomal Activity of Thiosemicarbazone Derivatives. *International Journal of Quantum Chemistry*, v. 112, p. 1-12, 2012.

Citation:1

27. LOZANO, N. B. H. ; MALTAROLLO, V. G. ; WEBER, K. C. ; HONORIO, K. M. ; GUIDO, R. V. C. ; ANDRICOPULO, A. D. ; da SILVA, A. B. F. . Molecular Features for Antitrypanosomal Activity of Thiosemicarbazones Revealed by OPS-PLS QSAR Studies. *Medicinal Chemistry (Hilversum)*, v. 10, p. 1-10, 2012.

Citation:6|13

28. GUIDO, R. V. C.; OLIVA, G. ; ANDRICOPULO, A. D. . Prêmio Nobel de Química de 2012: A Transdução Celular de Sinais por Estímulos Externos. *Química Nova na Escola (Impresso)*, v. 34, p. 278-282, 2012.

29. GUIDO, R. V. C.; MALUF, F. V. ; ANDRICOPULO, A. D. ; OLIVA, G. . Structural Insights on the Molecular Basis of the Non-Cooperative Behavior of Glyceraldehyde-3-Phosphate Dehydrogenase from *Trypanosoma cruzi*. *The FEBS Journal (Print)*, v. 279, p. 358-359, 2012.

Citation:1

30. GUIDO, R. V. C.; OLIVA, G. ; ANDRICOPULO, A. D. . Modern Drug Discovery Technologies: Opportunities and Challenges in Lead Discovery. *Combinatorial Chemistry & High Throughput Screening*, v. 14, p. 1-10, 2011.

Citation:17|18

31. Severino, Richele P. ; GUIDO, R. V. C. ; Marques, Emerson F. ; Brömmel, Dieter ; da Silva, M. Fátima das G.F. ; Fernandes, João B. ; Andricopulo, Adriano D. ; Vieira, Paulo C. . Acridone alkaloids as potent inhibitors of cathepsin V. *Bioorganic & Medicinal Chemistry* (Print), v. 19, p. 1477-1481, 2011.

Citation:13|14

32. Ferreira, Rafaela S ; Guido, Rafael VC ; Andricopulo, Adriano D ; Oliva, Glaucius . screening strategies for novel inhibitors of parasitic diseases. *Expert Opinion on Drug Discovery* (Print), v. 6, p. 481-489, 2011.

Citation:9|9

33. Santos, R. N. ; GUIDO, R. V. C. ; OLIVA, G. ; DIAS, L. C. ; ANDRICOPULO, A. D. . QSAR studies on a series of migrastatin analogs as inhibitors of cancer Cell metastasis. *Medicinal Chemistry* (Hilversum), v. 7, p. 155-164, 2011.

Citation:5|5

34. Navakoski de Oliveira, Kely ; Chiaradia, Louise Domeneghini ; Alves Martins, Priscila Graziela ; Mascarello, Alessandra ; Sechini Cordeiro, Marlon Norberto ; Carvalho Guido, Rafael Victorio ; Andricopulo, Adriano Defini ; Yunes, Rosendo Augusto ; Nunes, Ricardo José ; Vernal, Javier ; Terenzi, Hernán . Sulfonyl-hydrazone derivatives as potent inhibitors of the *Mycobacterium tuberculosis* protein tyrosine phosphatase B (PtpB). *MedChemComm*, p. 1-5, 2011.

Citation:25|24

35. MASCARELLO, A. ; CHIARADIA, L. D. ; VERNAL, J. ; VILLARINO, A. ; GUIDO, R. V. C. ; PERIZZOLO, P. ; POIRIER, V. ; WONG, D. ; MARTINS, P. G. A. ; NUNES, R. J. ; YUNES, R. A. ; ANDRICOPULO, A. D. ; AV-GAY, Y. ; TERENZI, H. . Inhibition of *Mycobacterium tuberculosis* tyrosine phosphatase PtpA by synthetic chalcones: kinetics, molecular modeling, toxicity and effect on growth. *Bioorganic & Medicinal Chemistry* (Print), v. 18, p. 3783-3789, 2010.

Citation:40|42

36. Guido, Rafael V. C.; Cardoso, Carmen L. ; Moraes, Marcela C. de ; Andricopulo, Adriano D. ; Cass, Quezia B. ; Oliva, Glaucius . Structural insights into the molecular basis responsible for the effects of immobilization on the kinetic parameters of glyceraldehyde-3-phosphate dehydrogenase from *Trypanosoma cruzi* and human. *Journal of the Brazilian Chemical Society* (Impresso), v. 21, p. 1845-1853, 2010.

Citation:7|6

37.

Postigo, Matheus P. ; Guido, Rafael V. C. ; Oliva, Glaucius ; Castilho, Marcelo S. ; da R. Pitta, Ivan ; de Albuquerque, Julianna F. C. ; Andricopulo, Adriano D. . Discovery of New Inhibitors of *Schistosoma mansoni* PNP by Pharmacophore-Based Virtual Screening. *Journal of Chemical Information and Modeling*, v. 50, p. 1693-1705, 2010.

Citation:34|43

38. Guido, Rafael V. C.; Andricopulo, Adriano D. ; Oliva, Glaucius . Planejamento de fármacos, biotecnologia e química medicinal: aplicações em doenças infecciosas. Estudos Avançados (USP. Impresso), v. 24, p. 81-98, 2010.

Citation:6|7

39. GUIDO, R. V. C.; BALLIANO, T. L. ; ANDRICOPULO, A. D. ; OLIVA, G. . Kinetic and Crystallographic Studies on Glyceraldehyde?3?Phosphate Dehydrogenase from Trypanosoma cruzi in Complex with Iodoacetate. Letters in Drug Design & Discovery, v. 6, p. 210-214, 2009.

Citation:9|7

40. TROSSINI, G. H. ; GUIDO, R. V. C. ; OLIVA, G. ; FERREIRA, E. I. ; ANDRICOPULO, A. D. . Quantitative Structure Activity Relationships for a Series of Inhibitors of Cruzain from Trypanosoma cruzi: Molecular modeling, CoMFA and CoMSIA Studies. Journal of Molecular Graphics & Modelling, v. 28, p. 3-11, 2009.

Citation:28|40

41. GUIDO, R. V. C.; OLIVA, G. . Structure-Based Drug Discovery for Tropical Diseases. Current Topics in Medicinal Chemistry (Print), v. 9, p. 824-843, 2009.

Citation:18|20

42. GUIDO, R. V. C.; ANDRICOPULO, A. D. . Modelagem Molecular de Fármacos. Revista processos químicos, v. 2, p. 24-36, 2009.

43. CARDOSO, C. L. ; de Moraes M.C. ; GUIDO, R. V. C. ; OLIVA, G. ; ANDRICOPULO, A. D. ; Cass Q.B. . The development of an immobilized enzyme reactor containing glyceraldehyde-3-phosphate dehydrogenase from Trypanosoma cruzi: The effect of species specific differences on the immobilization.. Analyst (London), v. 133, p. 93-99, 2008.

Citation:22|21

44. GUIDO, R. V. C.; OLIVA, G. ; ANDRICOPULO, A. D. . Virtual Screening and Its Integration with Modern Drug Design Technologies. Current Medicinal Chemistry, v. 15, p. 37-46, 2008.

Citation:124|133

45. GALLO, M. B. C. ; MARQUES, A. S. F. ; VIEIRA, P. C. ; SILVA, M. F. G. F. ; FERNANDES, J. B. ; SILVA, M. ; GUIDO, R. V. C. ; OLIVA, G. ; THIEMANN, O. H. ; ALBUQUERQUE, S. ; FAIRLAMB, A. H. . Enzymatic inhibitory activity and trypanocidal effects of extracts and compounds from Siphoneugena densiflora Berg and Vitex polygama Cham. Zeitschrift für Naturforschung. C, A Journal of Biosciences, v. 63c, p. 371-382, 2008.

Citation:10

46. GUIDO, R. V. C.; OLIVA, G. ; MONTANARI, C. A. ; ANDRICOPULO, A. D. . Structural Basis for Selective Inhibition of Trypanosomatid Glyceraldehyde-3-Phosphate Dehydrogenase: Molecular Docking and 3D QSAR Studies. *Journal of Chemical Information and Modeling*, v. 48, p. 918-929, 2008.

Citation:39|40

47. GUIDO, R. V. C.; CASTILHO, M. S. ; MOTA, S. G. R. ; OLIVA, G. ; ANDRICOPULO, A. D. . Classical and Hologram QSAR Studies on a Series of Inhibitors of Trypanosomatid Glyceraldehyde-3-Phosphate Dehydrogenase. *QSAR & Combinatorial Science*, v. 27, p. 768-781, 2008.

Citation:17|15

48. GUIDO, R. V. C.; TROSSINI, G. H. ; CASTILHO, M. S. ; OLIVA, G. ; FERREIRA, E. I. ; ANDRICOPULO, A. D. . Structure-activity relationships for a class of selective inhibitors of the major cysteine protease from *Trypanosoma cruzi*. *Journal of Enzyme Inhibition and Medicinal Chemistry*, v. 23, p. 964-973, 2008.

Citation:24|31

49. GUIDO, R. V. C.; BALLIANO, T. L. ; ANDRICOPULO, A. D. ; OLIVA, G. . Structural insights underlying glyceraldehyde-3-phosphate dehydrogenase iodoacetate irreversible inhibitor: crystallography, kinetics studies and molecular mechanism. *The FEBS Journal*, v. 275, p. 173-173, 2008.

Citation:1

50. GUIDO, R. V. C.; OLIVA, G. ; MONTANARI, C. A. ; ANDRICOPULO, A. D. . ChemInform Abstract: Structural Basis for Selective Inhibition of Trypanosomatid Glyceraldehyde-3-Phosphate Dehydrogenase: Molecular Docking and 3D QSAR Studies.. *ChemInform*, v. 39, p. 29/2008, 2008.

51. CASTILHO, M. S. ; GUIDO, R. V. C. ; ANDRICOPULO, A. D. . Classical and hologram QSAR studies on a series of tacrine derivatives as butyrylholinesterase inhibitors. *Letters in Drug Design & Discovery*, v. 4, p. 106, 2007.

Citation:26|31

52. CASTILHO, M. S. ; GUIDO, R. V. C. ; ANDRICOPULO, A. D. . 2D Quantitative structure?activity relationship studies on a series of cholesteryl ester transfer protein inhibitors. *Bioorganic & Medicinal Chemistry*, v. 15, p. 6242-6252, 2007.

Citation:30|33

53. GUIDO, R. V. C.; FERREIRA, E. I. ; Castro LF ; Silva AT . Advances in prodrug design.. *Mini - Reviews in Medicinal Chemistry*, v. 5, n.10, p. 893-914, 2005.

Citation:27|45

54. Silva AT ; Castro LF ; GUIDO, R. V. C. ; NASSUTE, J. C. ; FERREIRA, E. I. . Latenciação e formas avançadas de transporte de fármacos.. RBCF. Revista Brasileira de Ciências Farmacêuticas, v. 41, p. 155-179, 2005.

Citation:5|13

55. CHUNG M.C. ; GUIDO, R. V. C. ; MARTINELLI, T. F. ; GONCALVES, M. F. ; POLLI, M. C. ; BOTELHO, K. C. A. ; VARANDA, E. A. ; COLLI, W. ; MIRANDA, M. T. M. ; FERREIRA, E. I. . Synthesis and in vitro evaluation of potential antichagasic hydroxymethylnitrofurazone (NFOH-121): a new nitrofurazone prodrug.. Bioorganic & Medicinal Chemistry, v. 11, n.22, p. 4779-4783, 2003.

Citation:47|50

56. GUIDO, R. V. C.; FERREIRA, E. I. ; NASSUTE, J. C. ; VARANDA, E. A. ; CHUNG M.C. . Diminuição da atividade mutagênica do pró-fármaco NFOH-121 em relação ao nitrofural (nitrofurazona). Revista de Ciências Farmacêuticas (Araraquara), v. 22, p. 319-333, 2001.

Citation:10