

DOTTORANDO: Lucilla Angeli

CICLO: XXIV

TUTOR: Prof. Maurizio Botta

TITOLO DEL PROGETTO: Applicazione di tecniche di molecular modeling nel campo dell'HIV e come anti tumorali

PUBBLICAZIONI

Identification of new aminoacid amides containing the imidazo[2,1-b]benzothiazol-2-ylphenyl moiety as inhibitor of tumorigenesis by oncogenic Met signaling.

Alessandro Furlan, Francesco Colombo, Andrea Kover, Nathalie Issaly, Cristina Tintori, Lucilla Angeli, Vincent Leroux, Sébastien Letard, Mercedes Amat, Bernard Maigret, Patrice Dubreuil, Maurizio Botta, Rosanna Dono, Joan Bosch, Oreste Piccolo, Daniele Passarella and Flavio Maina, Submitted to J. Med. Chem.

Crystal structure of HIV-1 reverse transcriptase bound to a non-nucleoside inhibitor with a novel mechanism of action.

Freisz S, Bec G, Radi M, Wolff P, Crespan E, Angeli L, Dumas P, Maga G, Botta M, Ennifar E. *Angew Chem Int Ed Engl.* 2010, 49(10):1805-8.

Synthesis and biological evaluation of guanidino compounds endowed with subnanomolar affinity as competitive inhibitors of maize polyamine oxidase.

Manetti F, Cona A, Angeli L, Mugnaini C, Raffi F, Capone C, Dreassi E, Zizzari AT, Tisi A, Federico R, Botta M. *J Med Chem.* 2009, 52(15):4774-85.

Discovery of chiral cyclopropyl dihydro-alkylthio-benzyl-oxopyrimidine (S-DABO) derivatives as potent HIV-1 reverse transcriptase inhibitors with high activity against clinically relevant mutants.

Radi M, Maga G, Alongi M, Angeli L, Samuele A, Zanolli S, Bellucci L, Tafi A, Casaluce G, Giorgi G, Armand-Ugon M, Gonzalez E, Esté JA, Baltzinger M, Bec G, Dumas P, Ennifar E, Botta M. *J Med Chem.* 2009, 52(3):840-51.

Towards novel S-DABOC inhibitors: synthesis, biological investigation, and molecular modeling studies.

Radi M, Angeli L, Franchi L, Contemori L, Maga G, Samuele A, Zanolli S, Armand-Ugon M, Gonzalez E, Llano A, Esté JA, Botta M. *Bioorg Med Chem Lett.*, 2008, 18(21):5777-80.