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2015

Synthetic Development of New 3-(4-Arylmethylamino)butyl-5-arylidene-rhodanines Under Microwave Irradiation and their Effects on Tumor Cell Lines and against Protein Kinases. Dago C.D., N'Ta Ambeu C., Coulibaly W.K., Bekro Y.A., Mamyrbekova J., Defontaine A., Baratte B., Bach S., Ruchaud S., Le Guével R., Ravache M., Corlu A., Bazureau J-P. *Molecules. In press.* 2015.

[Tamoxifen Inhibits CDK5 Kinase Activity by Interacting with p35/p25 and Modulates the Pattern of Tau Phosphorylation.](#) Corbel C., Zhang B., Le Parc A., Baratte B., Colas P., Couturier C., Kosik S. K., Landrieu I., Le Tilly V., and Bach S. *Chemistry & Biology.* 2015 22 (4), 472-482.

[Le criblage à Roscoff: une recherche d'inhibiteurs de kinases tournée vers la mer; \[Screening marine resources to find novel chemical inhibitors of disease-relevant protein kinases\].](#) Baratte B., Serive B. et Bach S. *Médecine & Sciences.* 2015. 31(5); 538-545

2014

[Impact of meriolins, a new class of cyclin-dependent kinase inhibitors, on malignant glioma proliferation and neo-angiogenesis.](#)

Jarry M, Lecointre C, Malleval C, Desrues L, Schouft MT, Lejoncour V, Liger F, Lyvinec G, Joseph B, Loaëc N, Meijer L, Honnorat J, Gandolfo P, Castel H. *Neuro Oncol.* 2014 Jun 2.

[Design and Synthesis of Thiazolo\[5,4-f\]quinazolines as DYRK1A Inhibitors, Part I.](#)

Foucourt A, Hédou D, Dubouilh-Benard C, Désiré L, Casagrande AS, Leblond B, Loäec N, Meijer L, Besson T. *Molecules.* 2014 Sep 29;19(10):15546-71.

[9- and 11-substituted 4-azapauillones are potent and selective inhibitors of African trypanosoma.](#)

Maiwald F, Benítez D, Charquero D, Dar MA, Erdmann H, Preu L, Koch O, Hölscher C, Loaëc N, Meijer L, Comini MA, Kunick C. *Eur J Med Chem.* 2014 Aug 18;83:274-83.

[Synthesis, biological evaluation and molecular modelling studies of 4-anilinoquinazoline derivatives as protein kinase inhibitors.](#)

Waiker DK, Karthikeyan C, Poongavanam V, Kongsted J, Lozach O, Meijer L, Trivedi P. *Bioorg Med Chem.* 2014 Mar 15;22(6):1909-15.

[Several Human Cyclin-Dependent Kinase Inhibitors, Structurally Related to Roscovitine, As New Anti-Malarial Agents.](#)

Sandrine Houzé, Nha-Thu Hoang, Olivier Lozach, Jacques Le Bras, Laurent Meijer, Hervé Galons and Luc Demange. *Molecules* 2014, 19, 15237-15257

[Synthesis and biological evaluation of tetrahydro\[1,4\]diazepino\[1,2-a\]indol-1-ones as cyclin-dependent kinase inhibitors.](#)

Putey A, Fournet G, Lozach O, Perrin L, Meijer L, Joseph B.
Eur J Med Chem. 2014 Aug 18;83:617-29

[cdc-like/dual-specificity tyrosine phosphorylation-regulated kinases inhibitor leucettine L41 induces mTOR-dependent autophagy: implication for Alzheimer's disease.](#)

Fant X, Durieu E, Chicanne G, Payrastra B, Sbrissa D, Shisheva A, Limanton E, Carreaux F, Bazureau JP, Meijer L.
Mol Pharmacol. 2014 Mar;85(3):441-50.

2013

[Bioprospecting Marine Plankton](#)

Heni Abida, Sandrine Ruchaud, Laurent Rios, Anne Humeau, Ian Probert, Colombar De Vargas, Stéphane Bach and Chris Bowler.
Mar. Drugs 2013, 11, 4594-4611

[CDK10/cyclin M is a protein kinase that controls ETS2 degradation and is deficient in STAR syndrome.](#)

Guen VJ¹, Gamble C, Flajolet M, Unger S, Thollet A, Ferandin Y, Superti-Furga A, Cohen PA, Meijer L, Colas Pierre.
Proc Natl Acad Sci U S A. 2013 Nov 26;110(48):19525-30.

[Synthesis, resolution, and biological evaluation of atropisomeric \(aR\)- and \(aS\)-16-methylamellarins N: unique effects of the axial chirality on the selectivity of protein kinases inhibition.](#) Yoshida K, Itoyama R, Yamahira M, Tanaka J, Loaëc N, Lozach O, Durieu E, Fukuda T, Ishibashi F, Meijer L, Iwao M.

J Med Chem. 2013 Sep 26;56(18):7289-301

[Natural aristolactams and aporphine alkaloids as inhibitors of CDK1/cyclin B and DYRK1A.](#)

Marti G, Eparvier V, Morleo B, Le Ven J, Apel C, Bodo B, Amand S, Dumontet V, Lozach O, Meijer L, Guéritte F, Litaudon M.
Molecules. 2013 Mar 6;18(3):3018-27

[Novel Inverse Binding Mode of Indirubin Derivatives Yields Improved Selectivity for DYRK Kinases.](#)

Myriantopoulos V, Kritsanida M, Gaboriaud-Kolar N, Magiatis P, Ferandin Y, Durieu E, Lozach O, Cappel D, Soundararajan M, Filippakopoulos P, Sherman W, Knapp S, Meijer L, Mikros E, Skaltsounis AL.
ACS Med Chem Lett. 2013 Jan 10;4(1):22-26

[Potent inhibitors of CDK5 derived from roscovitine: synthesis, biological evaluation and molecular modelling.](#) Demange L, Abdellah FN, Lozach O, Ferandin Y, Gresh N, Meijer L, Galons H.
Bioorg Med Chem Lett. 2013 Jan 1;23(1):125-31.

[Calcineurin A versus NS5A-TP2/HD domain containing 2: a case study of site-directed low-frequency random mutagenesis for dissecting target specificity of peptide aptamers.](#) Dibenedetto S, Cluet D, Stebe PN, Baumle V, Léault J, Terreux R, Bickle M, Chassey BD, Mikaelian I, Colas P, Spichty M, Zoli M, Rudkin BB.

Mol Cell Proteomics. Jul 2013; 12(7): 1939–1952.

[Nima- and Aurora-related kinases of malaria parasites.](#)

Carvalho TG, Doerig C, Reininger L.

Biochim Biophys Acta. 2013 Jul;1834(7):1336-45.

[Aftins increase amyloid- \$\beta\$ 42, lower amyloid- \$\beta\$ 38, and do not alter amyloid- \$\beta\$ 40 extracellular production in vitro: toward a chemical model of Alzheimer's disease?](#)

Hochard A, Oumata N, Bettayeb K, Gloulou O, Fant X, Durieu E, Buron N, Porceddu M, Borgne-Sanchez A, Galons H, Flajolet M, Meijer L.

J Alzheimers Dis. 2013;35(1):107-20.