

SCIENTIFIC PUBLICATIONS

- [Design, Synthesis, and Characterization of HBP-Vectorized Methotrexate Prodrug Molecule 1102–39: Evaluation of In Vitro Cytotoxicity Activity in Cell Culture Models, Preliminary In Vivo Safety and Efficacy Results in Rodents.](#)
Maxim Egorov, Jean-Yves Goujon, Marie Sicard, Christelle Moal, Samuel Pairel, Ronan Le Bot. *ACS Omega* (2024), 2024 Oct 02.
DOI : <https://doi.org/10.1021/acsomega.4c06029>
- [Phase I dose escalation study of 12b80 \(hydroxybisphosphonate linked doxorubicin\) in naturally occurring osteosarcoma.](#) Pierre Boyé, Emmanuelle David, François Serres, Quentin Pascal, Franck Floch, Kévyen Geeraert, Virginie Coste, Laurent Marescaux, Sébastien Cagnol, Jean-Yves Goujon, Maxim Egorov, Ronan Le Bot and Dominique Tierny. *Oncotarget* (2020), 11:4281-4292. DOI: [10.18632/oncotarget.27801](https://doi.org/10.18632/oncotarget.27801)
- [12b80 – Hydroxybisphosphonate Linked Doxorubicin: Bone Targeted Strategy for Treatment of Osteosarcoma.](#) David, Emmanuelle; Cagnol, Sebastien; Goujon, Jean-Yves; Egorov, Maxim; Taurelle, Julien; Benesteau, Charlene; Morandeau, Laetitia; Moal, Christelle; Sicard, Marie; Pairel, Samuel; Heymann, Dominique; Redini, Françoise; Gouin, François; Le Bot, Ronan. *Bioconjugate Chemistry Scientific journal* (2019), 2019 Jun 19;30(6):1665-1676.
DOI: [10.1021/acs.bioconjchem.9b00210](https://doi.org/10.1021/acs.bioconjchem.9b00210)
- [A One-Pot Synthesis of 1-Hydroxy-1,1-bis \(phosphonic acid\)s Starting from the Corresponding Carboxylic Acids.](#) Egorov, Maxim; Aoun, Sameh; Padrines, Marc; Redini, Françoise; Heymann, Dominique; Lebreton, Jacques; Mathe-Allainmat, Monique. *European Journal of Organic Chemistry* (2011), 2011(35), 7148-7154, S7148/1-S7148/55.
DOI: [10.1002/ejoc.201101094](https://doi.org/10.1002/ejoc.201101094)
- [Synthesis and antiproliferative activity of ligerin and new fumagillin analogs against osteosarcoma.](#) Blanchet E, Vansteelandt M, Le Bot R, Egorov M, Guitton Y, Pouchus YF, Grovel O. *Eur J Med Chem.* 2014 May 22;79:244-50.
DOI: [10.1016/j.ejmech.2014.04.012](https://doi.org/10.1016/j.ejmech.2014.04.012)
- [New chondrosarcoma cell lines and mouse models to study the link between chondrogenesis and chemoresistance.](#) Monderer D, Luseau A, Bellec A, David E, Ponsolle S, Saiagh S, Bercegeay S, Piloquet P, Denis MG, Lodé L, Rédini F, Biger M, Heymann D, Heymann MF, Le Bot R, Gouin F, Blanchard F. *Lab Invest.* 2013 Oct;93(10):1100-14
DOI: [10.1038/labinvest.2013.101](https://doi.org/10.1038/labinvest.2013.101)
- [Ligerin, an antiproliferative chlorinated sesquiterpenoid from a marine-derived *Penicillium* strain.](#) Vansteelandt M, Blanchet E, Egorov M, Petit F, Toupet L, Bondon A, Monteau F, Le Bizec B, Thomas OP, Pouchus YF, Le Bot R, Grovel O. *J Nat Prod.* 2013 Feb 22;76(2):297-301.
DOI: [10.1021/np3007364](https://doi.org/10.1021/np3007364)
- [Treatment of bone metastasis in prostate cancer: efficacy of a novel polybisphosphonate.](#) Daubine F, Le Bot R, Márquez M, Nilsson S, Schröder T, Holmberg AR. *Anticancer Res.* 2011 Dec;31(12):4141-5.
PMID: 22199272