



Secteur des Sciences
et Technologies

Invitation à la soutenance publique de thèse de
Monsieur Laurent GILLARD
Master en sciences chimiques

Pour l'obtention du grade de Docteur en sciences
« Towards the Total Synthesis of Manzaminoids »

qui se déroulera
le vendredi 01 février 2019 à 16h
Auditoire LAVO 51
Place Louis Pasteur, 1
1348 Louvain-la-Neuve

Membres du jury :

Prof. Olivier Riant (UCLouvain), supervisor
Prof. Ari M.P. Koskinen (Aalto University, Finland), supervisor
Prof. Yann Garcia (UCLouvain), chairperson
Prof. Michael Singleton (UCLouvain), secretary
Prof. Janine Cossy (Ecole Supérieure de physique et de chimie industrielles
de la ville de Paris, France)
Prof. Donald Craig (Imperial College London, UK)
Prof. Nicholas Turner (The University of Manchester, UK)



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This thesis focused on the conception of new potential bioactive manzamine derivatives. For this purpose, new molecules were synthesized using novel approaches of anionic polycyclization. Three methodologies were developed allowing to reach our targets, and some mechanistical analyses were made to rationalize the diastereoselectivity. Finally, the derivatisation of some target molecules allowed us to quickly extend our library of bioactive compounds.

