

Philippe Belmont

Faculté de Pharmacie de Paris
Université Paris Descartes et Université de Paris

Access to Heterocycles through Organometallic or Visible-light Catalysis

Abstract:

Our field of interest and expertise are in organometallic chemistry (Au, Ag, Co, Rh) and visible-light catalysis devoted to the original access to various heterocyclic structures in view of studying their biological properties, in particular against tumors (e.g. kinases inhibition). Indeed, we are developing methods for the access to various heterocycles of broad biological interest, such as quinoline derivatives, acridines, dibenzofurans, carbazoles and phthalazines using metal-free or metal-catalyzed reactions, or under photoredox conditions.

<http://www.comete.cnrs.fr/2018/02/09/belmont-philippe/>

Selected articles:

J. Org. Chem. 2019, 84, 6278

Eur. J. Org. Chem. 2017, 15, 2008

Org. Lett. 2016, 18, 4814

Chem. Sci. 2016, 7, 5002