

Pilar Elías Rodríguez, Elena Moreno-Clavijo, Ana T. Carmona, Antonio J. Moreno-Vargas, Inmaculada Robina, (2014). Rapid discovery of potent α -fucosidase inhibitors by *in situ* screening of a library of (pyrrolidin-2-yl)triazoles, *Org. Biomol. Chem.*, 12, 5898-5904.

The synthesis of a small library of (pyrrolidin-2-yl)triazoles *via* copper catalysed cycloaddition of an alkynyl iminocyclopentitol and a set of commercial and synthetic azides has been achieved. The *in situ* screening for the activity towards α -fucosidase of the resulting triazoles has allowed the identification of one of the most potent and selective pyrrolidine derived inhibitors of this enzyme ($K_i = 4$ nM).