



PERSONA CIENCIA EMPRESA
UNIVERSITAT RAMON LLULL

SCHOOL OF
ENGINEERING

New Functionalized Diazomethane Reagents to be Applied in Late-Stage Drug Diversification

Summary: The process of *late-stage functionalization* (LSF), which transforms the already complex drug or drug-like structures into new bioactive candidates, is on route to become a powerful tool in pharmaceutical industry. Despite its great potential to rapidly generate chemical libraries, late-stage reactivity is highly demanding, given the challenge to reach compatibility of the LSF method with the diverse functional groups typically present in drugs. In this context, considerable efforts have been expended on the late-stage C–H functionalization of bioactive molecules with diazo reagents. Our group is actively investigating the insertion of some functionalized diazocompounds into activated sigma bonds. We are seeking a motivated master student to join our team in order to explore the access to new undiscovered main group-bearing diazomethane reagents applicable for site-selective modification of C–H bonds of drug-like molecules.

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