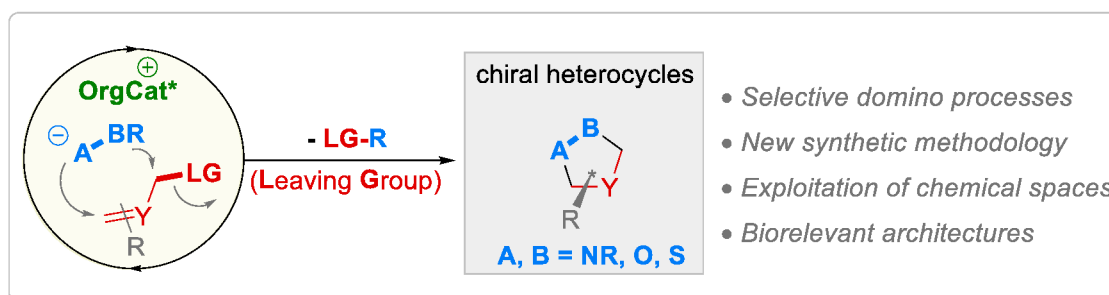


# Meldrum's acid: a useful platform for the organocatalyzed synthesis of heterocycles

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The development of catalysts or catalytic systems able to accelerate the construction of molecular architectures is at the heart of modern organic synthesis connected to sustainable chemistry. Our research tackles the organocatalytic elaboration of high value chiral heterocycle derivatives, as useful building blocks for the construction of medicinally relevant compounds through the exploration of the 3D chemical space (see <http://www.lab-cobra.fr>).



More recently, we have been investigating the specific chemical reactivity of Meldrum's acid, a cheap and readily available starting material. In that context, it was found that Meldrum's acid derivatives may be involved into either annulation reactions (as a C2-synthon), or multicomponent reactions (as a C3-synthon) by means of organocatalytic and enantioselective reaction conditions.

