PREPARATION OF NEW CHIRAL ORGANOLIGANDS AND CATALYSTS; INVESTIGATION IN MODEL REACTIONS OF ASYMMETRIC SYNTHESIS

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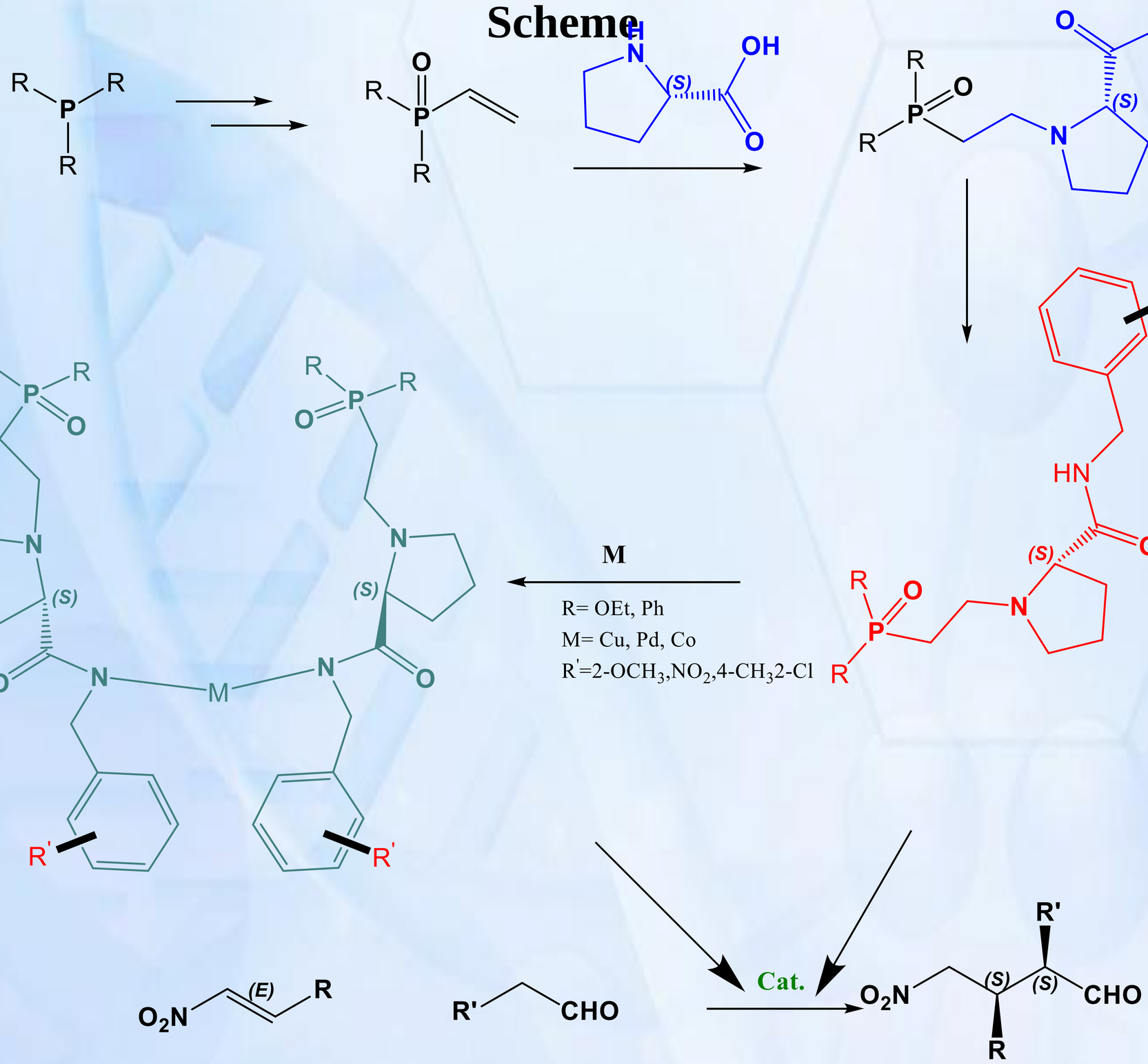
The main goal of our work is to develop new types of chiral organoligands that can act as effective catalysts in asymmetric syntheses, providing high enantioselectivity and reaction efficiency.The work is experimental in nature. We have carried out a number of organic syntheses in laboratory conditions with the aim of obtaining new structural types of ligands based on molecules containing a phosphorus donor group. The structures of the resulting compounds have been confirmed by modern spectroscopic methods:

Scheme



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