


Comparative green analysis between different catalytic methodologies used in stereoselective reduction reaction of acetophenone

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Resumen

The acetophenone stereoselective reduction reactions carried out by different chemical or biochemical methodologies reported in the literature were analyzed. This study showed the importance of evaluation in each reaction step, both holistically and quantitatively, even if the amounts used are at the mmol level. It is clear that the use of catalysts does not guarantee that the chemical process is environmentally friendly, as well as that the benefits of bio-driven processes can be diminished due to the complications of product purification. This work shows that the

development of tools to determine the sustainability of a process is extremely important.

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