

Enzymatic network for the conversion of benzaldehydes into valuable products

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An enzymatic network consisting of one primary (ω -TA) and two secondary enzymes (*Zm*PDC and hCAII) was successfully used for the transformation of cheap reagents (benzaldehydes and alanine) into industrially relevant benzyl-amines and (1*R*,2*S*)-1- phenylpropane-1,2-diols. The micro-scale multi-enzymatic procedure was successfully scaled-up, enabling the preparative-scale synthesis, isolation and purification of the target compounds..

