

Biotransformation of Isoprenoids and Shikimic Acid Derivatives by a Vegetable Enzymatic System

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In biotransformations carried out under similar conditions enzymatic systems from carrot (*Daucus carota* L.), celeriac (*Apium graveolens* L. var. *rapaceum*) and horse-radish (*Armoracia lapathifolia* Gilib.) hydrolyzed the ester bonds of acetates of phenols or alicyclic alcohols. Nevertheless, methyl esters of aromatic acids did not undergo hydrolysis. Alcohols were oxidized to ketones in a reversible reaction.

Key words: Biotransformation, Isoprenoids, Plant Enzymatic System