

Enzymatic resolution of racemic secondary cyclic allylic alcohols.

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Streszczenie

The resolutions of five racemic cyclic alcohols: 6,6-dimethylcyclohex-2-en-1-ol (\pm)-**5**, 4,4-dimethylcyclohex-2-en-1-ol (\pm)-**7**, 5,5-dimethylcyclohex-2-en-1-ol (\pm)-**11** and isomeric *trans*-(\pm)-**13** and *cis*-piperitols (\pm)-**14** are presented. They were resolved by enzymatic esterification with vinyl esters or by enzymatic hydrolysis of their racemic esters in phosphate buffer. The following lipases were used as biocatalysts: Novozyme 435 (*Candida antarctica*), Amano PS (*Burkholderia cepacia*) and lipase from *Candida cylindracea*. All isomers of alcohols were obtained with at least 96% ee.

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