

Abstract:

Process for the preparation of L-amino acids from their racemic N-acetyl-D,L derivatives by enzymatic resolution by means of isolated, recombinant enzymes

A process for the preparation of proteinogenic or nonproteinogenic L-amino acids, in particular L-phosphinothricin, from their racemic N-acetyl-D,L derivatives comprises

- (a) selectively deacetylating N-acetyl-L derivatives of the corresponding L-amino acids by an enzymatic resolution by means of isolated, recombinant enzymes, while N-acetyl-D derivatives of the corresponding D-amino acids are not deacetylated
- and
- (b) separating the deacetylated L-amino acids obtained preparatively from the nondeacetylated N-acetyl-D derivatives and/or the incompletely deacetylated N-acetyl-L derivatives.