

ABSTRACT

The present invention has its object to provide a method for producing an L-amino acid comprising reacting a keto acid
5 with an amino acid dehydrogenase and an enzyme having coenzyme
regenerating ability to convert to a L-amino acid, wherein a
coenzyme is added in two or more portions in the reaction. The
method of the present invention enables efficient production
of an L-amino acid useful as a synthetic intermediate such as
10 a pharmaceutical intermediate with high optical purity by an
enzymatic reductive amination independent of the purity of the
keto acid used as a substrate.