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(54) Title: PROCESS FOR PRODUCING SULFUR-CONTAINING α -AMINO ACID COMPOUND

(57) Abstract: The present invention provides a novel process for producing a sulfur-containing α -amino acid compounds such as methionine. A process for producing a sulfur-containing α -amino acid compound (Compound 2) comprising a step of reacting a specific sulfur-containing amino alcohol compound (Compound 1) with the following transformants and others: <Transformants> (a) both a transformant in which has been introduced into a microorganism cell a gene of an enzyme capable of converting the Compound 1 into a corresponding sulfur-containing α -amino aldehyde compound (Compound 3) (Capability A) and a transformant in which has been introduced into a microorganism cell a gene of an enzyme capable of converting the Compound 3 into a corresponding Compound 2, (b) a transformant in which has been introduced into a microorganism cell both a gene of an enzyme which has Capability A and a gene of an enzyme which has Capability B, or (c) a transformant in which has been introduced into a microorganism cell a gene of an enzyme which has both Capability A and Capability B.

