

Title (en)
IMPROVEMENT OF CLAVULANIC ACID PRODUCTION

Title (de)
VERBESSERUNG DER CLAVULANSÄUREHERSTELLUNG

Title (fr)
PRODUCTION AMELIOREE D'ACIDE CLAVULANIQUE

Publication
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Application
EP 00970455 A 20000915

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Abstract (en)
[origin: WO0119959A1] The invention methods for the enhancement of clavulanic acid production. In particular, the invention provides a method for increasing the production of clavulanic acid by: gene dosage with *<i>orf</i>²* from the clavulanic acid biosynthetic pathway in *<i>Streptomyces clavuligerus</i>*; and by manipulation of fermentation conditions, especially the concentration of DG3P, a substrate of N2(carboxyethyl)arginine synthase, the protein encoded by *<i>orf</i>²*. A method for preparing N2(carboxyethyl)arginine synthase is also provided, as is an assay for identifying its substrates.

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Citation (search report)
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• See references of WO 0119959A1

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