

Title (en)

METHOD FOR INCREASING THE PHENOXY PROPIONIC ACID HYDROXYLATION RATE

Title (de)

VERFAHREN ZUR ERHÖHUNG DER POPS-HYDROXYLIERUNGSRATE

Title (fr)

PROCEDE POUR L'AUGMENTATION DU TAUX D'HYDROXYLATION DE L'ACIDE PHENOXYPROPIONIQUE

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Application

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Abstract (en)

[origin: DE19814528A1] The invention relates to a method for producing 2-(4-hydroxyphenoxy)-propionic acid from 2-phenoxy propionic acid or the salts thereof by means of a micro-organism which is capable of converting 2-phenoxy propionic acid into 2-(4-hydroxyphenoxy)-propionic acid. The invention is characterized in that the micro-organism contains at least one of the genes contained in the sequences SEQ ID no. 1 or SEQ ID no. 4 or their functional equivalents. The invention also relates to isolated DNA sequences with the SEQ ID no. 1 or SEQ ID no. 4 and to a gene product containing these sequences. The invention further relates to a micro-organism containing the gene product and to the use of the sequences and the gene product for producing 2-(4-hydroxyphenoxy)-propionic acid.

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