Title (en)

PRODUCTION PROCESS FOR FINE CHEMICALS USING MICROORGANISMS WITH REDUCED ISOCITRATE DEHYDROGENASE ACTIVITY

Title (de)

PRODUKTIONSVERFAHREN FÜR FEINCHEMIKALIEN UNTER VERWENDUNG VON MIKROORGANISMEN MIT VERMINDERTER ISOCITRAT-DEHYDROGENASE-AKTIVITÄT

Title (fr)

PROCÉDÉ DE PRODUCTION DE PRODUITS CHIMIQUES FINS EMPLOYANT DES MICRO-ORGANISMES PRÉSENTANT UNE ACTIVITÉ ISOCITRATE DÉSHYDROGÉNASE RÉDUITE

Publication

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Application

EP 09738158 A 20090428

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Abstract (en)

[origin: WO2009133114A1] The present invention is directed to a method utilizing a microorganism with reduced isocitrate dehydrogenase activity for the production of fine chemicals. Said fine chemicals may be amino acids, monomers for polymer synthesis, sugars, lipids, oils, fatty acids or vitamins and are preferably amino acids of the aspartate family, especially methionine or lysine, or derivatives of said amino acids, especially cadaverine. Furthermore, the present invention relates to a recombinant microorganism having a reduced isocitrate dehydrogenase activity in comparison to the initial microorganism and the use of such microorganisms in producing fine chemicals such as aspartate family amino acids and their derivatives.

IPC 8 full level

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Citation (search report)

See references of WO 2009133114A1

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