

Title (en)

METHODS AND MATERIALS FOR PRODUCING 6-CARBON MONOMERS

Title (de)

VERFAHREN UND MATERIALIEN ZUR HERSTELLUNG VON 6-KOHLNSTOFF-MONOMEREN

Title (fr)

PROCÉDÉS ET MATÉRIAUX POUR LA PRODUCTION DE MONOMÈRES À 6 ATOMES DE CARBONE

Publication

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Application

EP 15804257 A 20151113

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Abstract (en)

[origin: CN107109444A] This document describes biochemical pathways for producing 6-hydroxyhexanoic acid using a polypeptide having - ketothiolase activity to form a 3-oxo-6-hydroxyhexanoyl-CoA intermediate. 6-hydroxyhexanoic acid can be enzymatically converted to adipic acid, caprolactam, 6-aminohexanoic acid, hexamethylenediamine or 1,6-hexanediol. This document also describes recombinant hosts producing 6-hydroxyhexanoic acid as well as adipic acid, caprolactam, 6-aminohexanoic acid, hexamethylenediamine and 1,6-hexanediol.

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