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(54) Title: FERMENTATIVE PRODUCTION OF β -KETOADIPATE FROM GASEOUS SUBSTRATES

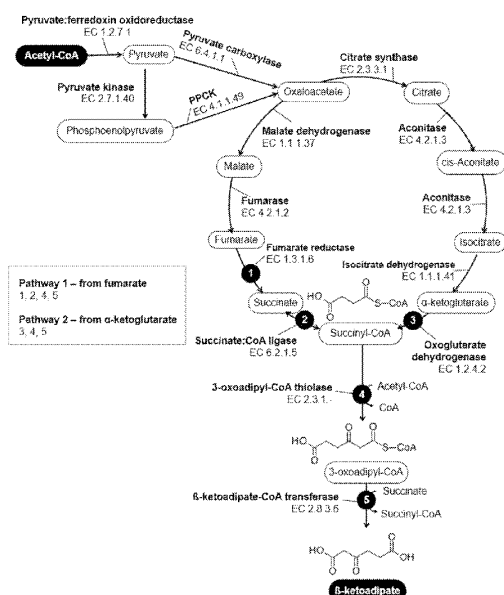


Fig. 1

(57) Abstract: Provided herein are microorganisms and methods for fermentative production of β -ketoadipate from gaseous substrates such as carbon dioxide (CO_2), carbon monoxide (CO), and/or hydrogen (H_2). Additionally, the processes provided herein are methods for producing polymers containing β -ketoadipate, that can potentially enable a circular economy by diverting waste, e.g., plastic waste.

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