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(54) Title: METHOD OF PRODUCING ORGANIC COMPOUNDS

(57) Abstract: There is provided a mixed culture of a first and second microorganism in an aqueous medium, wherein the first microorganism is an acetogenic microorganism capable of converting a carbon source comprising CO and/or CO₂ to acetate and/or ethanol, the second microorganism is a non-acetogenic microorganism capable of metabolising acetate and/or ethanol and the first and second microorganisms are in a homogenous mixture and wherein the aqueous medium comprises oxygen. There is also provided a method of producing substituted and/or unsubstituted organic compounds using the mixed culture.



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