Process for reacting a carboxylic acid ester

Abstract

The invention relates to a process for reacting a carboxylic acid ester of the formula (I)

$$R^1 - A - COOR^2 \quad (I),$$

wherein R^1 is selected from the group comprising hydrogen, $-CH_2OH$, $-CHO$, $-COOR^3$, $-CH_2SH$, $-CH_2OR^3$ and $-CH_2NH_2$,

wherein R^2 is selected from the group comprising alkyl, preferably methyl, ethyl and propyl,

wherein R^3 is selected from the group comprising hydrogen and alkyl, preferably methyl, ethyl and propyl,

and wherein A is a substituted, unsubstituted, linear, branched and/or cyclic alkylene, alkenylene, arylene or aralkylene radical having at least 4, more preferably 6, even more preferably 8, carbons,

by means of a cell, comprising the step of

a) contacting the cell with said carboxylic acid ester in an aqueous solution,

wherein the cell is a recombinant cell which has reduced activity of a polypeptide comprising SEQ ID NO 2 or a variant thereof over the wild-type cell, and to a cell suitable therefor, and to uses thereof.

(No suitable figure)