Abstract

Process for Producing Wax Ester From Dihydroxy Fatty Acid

A process for producing wax ester comprising of esterifying dihydroxy fatty acid preferably dihydroxystearic acid with at least one alcohol in the presence of lipase as a catalyst which is then remove by filtration. The filtered catalyst could be reuse and provides a number of cost advantages. In the preferred embodiment of the present invention, the dihydroxystearic acid is derived from palm based oleic acid and the alcohol contains 8 to 18 carbon atoms per molecules.

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