

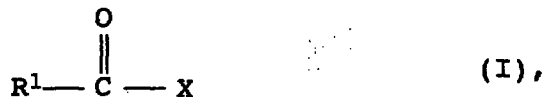
The preparation of carboxylic acid derivatives

Abstract

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A process for preparing carboxylic acid derivatives of the general formula I

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where

X is OR² or NH₂,

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R¹ is C₁-C₂₀-alkyl, C₁-C₂₀-hydroxyalkyl, C₃-C₁₂-cycloalkyl, C₄-C₁₂-alkylcycloalkyl, C₄-C₁₂-cycloalkylalkyl, C₅-C₂₀-alkylcycloalkylalkyl, aryl, C₇-C₂₀-aralkyl, C₇-C₂₀-alkylaryl, a heteroaliphatic or heteroaromatic ring with 5 to 8 carbon atoms and

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R² is C₁-C₂₀-alkyl,

from carbonitriles of the general formula II

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where R¹ has the abovementioned meanings, and alcohols of the general formula III

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where R² has the abovementioned meanings, at from 50 to 300°C under from 0.1 to 350 bar in the presence of a heterogeneous catalyst, wherein the reaction is carried out in liquid phase.

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