

Title (en)

METHOD FOR PRODUCING (METH)ACRYLATES OF N-HYDROXYALKYLATED IMIDAZOLES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON (METH) ACRYLSÄUREESTERN VON N-HYDROXYALKYLIERTEN IMIDAZOLEN

Title (fr)

PROCÉDÉ DE PRODUCTION D'ESTERS D'ACIDE (MÉTH)ACRYLIQUE D'IMIDAZOLES N-HYDROXYALKYLÉS

Publication

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Application

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Abstract (en)

[origin: WO2008098886A2] The invention relates to a method for producing (meth)acrylates (F) of N-hydroxyalkylated imidazoles by esterifying N-hydroxyalkylated imidazoles (I) with (meth)acrylic acid (S) in the presence of at least one catalyst (K) or by transesterifying it with at least one (meth)acrylic ester (D). In said formula (I), R¹ and R² independently represent hydrogen or C₁-C₂₀ alkyl, R³, R⁴ and R⁵ independently represent hydrogen or C₁-C₂₀ alkyl, C₁-C₂₀ alkylcarbonyl, C₂-C₂₀ alkenyl, C₂-C₂₀ alkenylcarbonyl, C₂-C₂₀ alkynyl, C₂-C₂₀ alkynylcarbonyl, C₃-C₁₅ cycloalkyl, C₃-C₁₅ cycloalkylcarbonyl, aryl, arylcarbonyl, a heterocycle or a halogen atom, and m and n are integers in the range of 0 to 20, wherein m and n cannot be 0 at the same time, and wherein the respective entities that are embraced by the variables m and n can be contained in any order, and wherein, when m = 2, the groups R¹ and R² are independent of each other in the respective entities.

IPC 8 full level

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