

Title (en)
METHOD FOR OXIDISING SUBSTITUTED HYDROCARBON DERIVATIVES

Title (de)
VERFAHREN ZUR OXYDATION VON SUBSTITUIERTEN KOHLENWASSERSTOFFDERIVATEN

Title (fr)
PROCEDE D'OXYDATION DE DERIVES HYDROCARBONES SUBSTITUES

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Application
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Abstract (en)
[origin: FR2766818A1] The invention concerns a method for controlled oxidation of a substituted hydrocarbon substrate, consisting in contacting said substituted hydrocarbon substrate with a source of oxygen in the presence of at least a catalyst selected among those whereof the active phase is obtained from a heteropolyacid of formula (I): $Hf[CcDdEeOx]$ in which: C represents Mo and/or W; D represents phosphorus, arsenic, antimony, silicon, germanium and/or boron; E represents an element selected among vanadium optionally in combination with at least a metal of columns VA, VIIA, VIII or chromium; x being the oxygen number required to observe valences; A represents at least a monovalent cation; B represents VO_{2+} , VO_{3+} , an ion of an alkaline-earth metal or of one metal of columns VIIA, VIII, IB, IVB and VB of the periodic table of elements; $f = a + \alpha b$ with α being the ion B charge, i.e. equal to 2, 3 or 4; c varies between 5 and 20 inclusively; d varies between 1 and 5 inclusively; e varies between 1 and 9 inclusively; and said substrate has a chain $>CH-$ bearing an electroattractive group (or atom). The invention is applicable to organic synthesis.

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