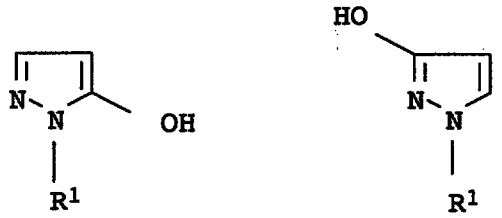
Process for preparing 1-substituted 5- and/or 3-hydroxypyrazoles

Abstract

The invention relates to a process for preparing 1-substituted 5- and/or 3-hydroxypyrazoles of the formulae I and II

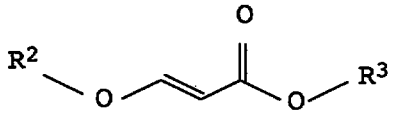


I

II

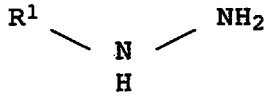
in which R^1 is C_1-C_6-alkyl, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_3-C_6-cycloalkyl or C_1-C_4-alkoxy, where these groups may be substituted by halogen, C_1-C_4-alkoxy, phenoxy, C_1-C_6-alkoxycarbonyl, C_1-C_6-alkylthiocarbonyl or by a cyclic ring system having 3-14 ring atoms, which comprises reacting

an alkyl 3-alkoxyacrylate of the formula III



III

in which R^2, R^3 independently of one another are C_1-C_6-alkyl or C_3-C_6-cycloalkyl with a hydrazine of the formula IV



IV

in which R^1 is as defined above

a) at a pH of 6-11 to give 5-hydroxypyrazoles of the formula I

or

b) at a pH of 11-14 to give 3-hydroxypyrazoles of the formula II.