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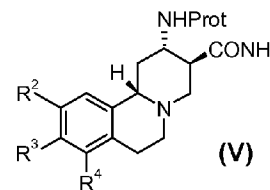
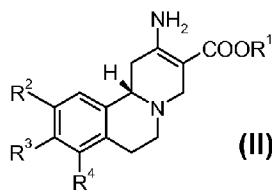
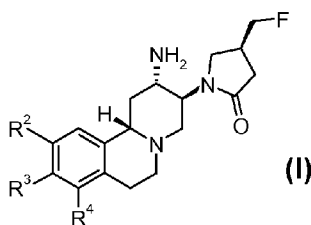
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(54) Title: PROCESS FOR THE PREPARATION OF PYRIDO[2,1-A]ISOQUINOLINE DERIVATIVES BY CATALYTIC ASYMMETRIC HYDROGENATION OF AN ENAMINE



(57) Abstract: The invention relates to a process for the preparation of pyrido[2, 1-a] isoquinoline derivatives of the formula (I), wherein R^2 , R^3 and R^4 are as defined in the specification, comprising the steps of: a) catalytic asymmetric hydrogenation of an enamine of the formula (II), wherein R^1 is lower alkyl, in the presence of a transition metal catalyst containing a chiral diphosphane ligand, b) introduction of an amino protecting group Prot and c) amidation of the ester to form an amide of formula (V), wherein R^2 , R^3 , R^4 and Prot are as defined in the specification.



INTERNATIONAL SEARCH REPORT

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B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

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