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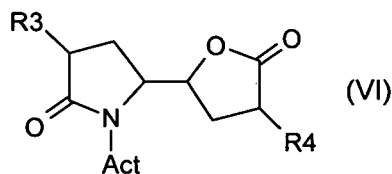
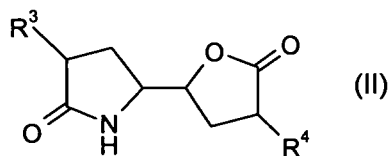
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(54) Title: 3-ALKYL-5- (4-ALKYL-5-OXO-TETRAHYDROFUTRAN-2-YL) PYRROLIDIN-2-ONE DERIVATIVES AS INTERMEDIATES IN THE SYNTHESIS OF RENIN INHIBITORS



(57) Abstract: The invention related to a novel process, novel process steps and novel intermediates useful in the synthesis of pharmaceutically active compounds, especially renin inhibitors, such as Aliskiren. Inter alia, the invention relates to a process for the manufacture of a compound of the formula II, or a salt thereof, and a compound of formula VI or a salt thereof, wherein R³ and R⁴ as well as Act are as defined in the specification, and processes of manufacturing these. Additionally transformation of compounds (VI) with metallo organic compounds (VII) give rise to the new compounds (VMI) which are direct precursors for the preparation of Aliskiren.