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(54) Title: A PROCESS FOR THE PREPARATION OF ZOFENOPRIL CALCIUM SALT

(57) Abstract

A process for the preparation of polymorph A of zofenopril calcium salt in substantially pure form, which comprises: a) reaction of S(–)–3–benzoylthio–2–methylpropanoic acid chloride with cis–4–phenylthio–L–proline in water at pH ranging from 9.0 to 9.5 and recovery of zofenopril in the acidic form; b) salification of acid zofenopril with a potassium salt in alcoholic solution, and recovery of the resulting potassium salt; c) conversion of the potassium salt to the calcium salt by addition of a zofenopril potassium salt aqueous solution to a $CaCl_2$ aqueous solution at a temperature of 70–90 °C with simultaneous seeding to promote the precipitation of polymorph A.