

Title (en)

PROCESS FOR THE PREPARATION OF PERINDOPRIL ERBUMINE SALT AND NOVEL POLYMORPH (S) THEREOF

Title (de)

VERFAHREN ZUR HERSTELLUNG VON PERINDOPRILERBUMINSALZ UND NEUER POLYMORPH (S) DAVON

Title (fr)

PROCÉDÉ DE PRÉPARATION D'UN SEL DE PÉRINDOPRIL ERBUMINE ET SON OU SES NOUVEAUX POLYMORPHES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2008114270A1] A single pot process for the preparation of perindopril erbumine salt according to which condensation of (2S, 3aS, 7aS)-octahydroindole-2-carboxylic acid benzyl ester para toluene sulfonate with N-((S)-ethoxy carbonyl -1-ethyl-(S)-alanine, catalytic hydrogenation of benzyl ester of (2S, 3aS, 7aS)-1-{2-[1-(ethoxycarbonyl)-(S)-butylamino]-(S)propionyl}- octahydro-indole-2-carboxylate and conversion of (2S,3aS, 7aS)-1-{2-[1-ethoxycarbonyl]_(S)-butylamino]-(S)-propionyl}octahydroindole-2-carboxylic acid to its perindopril erbumine salt are carried out in a single pot using a single solvent such as isopropyl acetate to obtain perindopril erbumine salt of very high purity. Also a novel polymorph S of perindopril erbumine having X-ray diffraction peaks of 9.10, 14.64, 15.37, 16.58, 17.39, 19.99, 20.62, 21.50, 22.15, 22.60, 24.20, 27.55 ± 0.2 at 2θ values. Also processes for preparing the novel polymorph S.

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