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(54) Title: ESTETROL POLYMORPHIC FORM AND PRODUCTION THEREOF

(57) Abstract: The present invention relates to a process for producing crystalline estetrol monohydrate, and particularly a certain polymorphic form thereof, comprising the steps of dissolving estetrol in an aqueous mixture comprising an alcohol to obtain a solution; cooling the solution to a cooling temperature 2; optionally, stirring the cooled solution at the cooling temperature 2; further cooling the solution to a cooling temperature 3 to form a suspension, stirring the suspension at the cooling temperature 3; and isolating crystalline estetrol monohydrate from the suspension.