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(54) Title: PROCESS FOR THE PREPARATION OF A β-LACTAM NUCLEUS AND THE APPLICATION THEREOF

(57) Abstract: The invention relates to a process for the preparation of an aqueous solution or suspension of a β-lactam nucleus and application thereof. The aqueous solution or suspension of the β-lactam nucleus is prepared by process wherein an enzymatic deacylation of a β-lactam compound, which compounds comprises a β-lactam nucleus with a side chain coupled to it via an amide bond and which deacylation reaction is carried out in a mixture of water and an organic solvent and which deacylation leads to a β-lactam nucleus and a carboxylic acid, is carried out at a pH value of between 2 and 6 so that the carboxylic acid is extracted in situ to the organic solvent.