

Title (en)
PROCESS FOR THE PREPARATION OF A BETA-LACTAM ANTIBIOTIC

Title (de)
VERFAHREN ZUR HERSTELLUNG VON EINEM BETA-LACTAM ANTIBIOTIKA

Title (fr)
PROCEDE DE PREPARATION D'UNE BETA-LACTAMINE

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Application
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Abstract (en)
[origin: WO9623897A1] The invention relates to a process for the preparation of a beta -lactam antibiotic by enzymatic acylation of a beta -lactam core by means of an acylation agent, with the molar ratio between the beta -lactam core and the acylation agent being between 0.5:1 and 2:1, the concentration of inorganic salts in the reaction mixture being lower than 1000:n mM, n representing the valency of the anion, and the sum of the concentrations of the beta -lactam antibiotic and the beta -lactam core being between 200 and 800 mM. This process offers the advantage that the enzyme can be re-used many times without much loss of activity of the enzyme. This makes it possible to obtain a commercially attractive process for the preparation of beta -lactam antibiotics via enzymatic acylation of beta -lactam cores.

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