

Title (en)

PROCESS FOR THE PREPARATION OF ALPHA-SUBSTITUTED-THIEN-3-YLACETIC ACID AND DERIVATIVES THEREOF

Publication

EP 0000633 B1 19811104 (EN)

Application

EP 78300140 A 19780712

Priority

GB 3100877 A 19770723

Abstract (en)

[origin: EP0023726A1] A class of intermediates useful in the preparation of 3-substituted thiophenes and a process for preparing said intermediates. The thiophenes are useful for the preparation of penicillins and cephalosporins A compound of formula (II): <CHEM> where R<1> represents a carboxylic acid group, or an ester or amide thereof or a nitrile group; R<2> represents a group suitable for use as an alpha -substituent in the side-chain of a penicillin or cephalosporin; X represents halogen or optionally functionalised hydroxyl and Y represents halogen, hydroxyl, or alkoxy.

IPC 1-7

C07D 333/24

IPC 8 full level

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CPC (source: EP US)

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C-Set (source: EP US)

C07C 45/00 + **C07C 49/227**

Cited by

EP0038121A3; FR2511368A1; DE202008004595U1

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EP 0023726 A1 19810211; **EP 0023726 B1 19820519**; DK 323978 A 19790124; EP 0000633 A2 19790207; EP 0000633 A3 19790613; EP 0000633 B1 19811104; ES 471964 A1 19800116; FI 782300 A 19790124; IE 47135 B1 19831228; IE 781469 L 19790123; IL 55144 A0 19780929; IT 1105934 B 19851111; IT 7850415 A0 19780721; JP S5424867 A 19790224; US 4252976 A 19810224; US 4282373 A 19810804; ZA 784101 B 19790725

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EP 80105285 A 19780712; DK 323978 A 19780719; EP 78300140 A 19780712; ES 471964 A 19780721; FI 782300 A 19780720; IE 146978 A 19780721; IL 5514478 A 19780714; IT 5041578 A 19780721; JP 9032178 A 19780724; US 3640779 A 19790507; US 92672778 A 19780721; ZA 784101 A 19780719