

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

**C07C 45/00** (2006.01); **C07C 57/52** (2006.01); **C07C 67/00** (2006.01); **C07C 69/65** (2006.01); **C07C 231/00** (2006.01); **C07C 231/12** (2006.01); **C07C 233/09** (2006.01); **C07C 235/28** (2006.01); **C07C 253/00** (2006.01); **C07C 255/10** (2006.01); **C07D 333/24** (2006.01)

CPC (source: EP US)

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C-Set (source: EP US)

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Cited by

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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