

Title (en)
IMPROVED PROCESS FOR PREPARING ISEPAMICIN.

Title (de)
VERBESSERTES VERFAHREN ZUR HERSTELLUNG VON ISEPAMICIN.

Title (fr)
PROCEDE AMELIORE DE PREPARATION D'ISEPAMICINE.

Publication
EP 0478707 A1 19920408 (EN)

Application
EP 90917766 A 19900619

Priority
US 36957889 A 19890621

Abstract (en)
[origin: EP0547031A1] Novel isoserine compounds such as N;O-diformyl-(S)-isoserine and N-formyl-(S)-isoserine are described and used in a process for converting gentamicin B to isepamicin. Active esters are formed by reaction of the isoserine compounds with N-hydroxybenzotriazole, N-hydroxysuccinimide, imidazole, N-hydroxyphthalimide, N-hydroxy-5-norbornene-2,3-dicarboximide and the like in the presence of a coupling agent such as dicyclohexylcarbodiimide.

Abstract (fr)
Selon un procédé amélioré de conversion de gentamicine B en isépamicine, on prépare 3,6'-di-N-formylgentamicine B, on acyle le groupe 1-amine avec un composé de (S)-isoserine à N protégé et on élimine tous les groupes de blocage dans des conditions qui permettent d'obtenir des quantités élevées d'isépamicine. L'invention concerne également un nouvel agent formylant, le 2-formylmercaptobenzothiazole, et des composés intermédiaires.

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IPC 8 full level
C07D 277/74 (2006.01); **C07B 43/06** (2006.01); **C07C 233/47** (2006.01); **C07C 237/10** (2006.01); **C07H 13/04** (2006.01); **C07H 15/12** (2006.01); **C07H 15/22** (2006.01); **C07H 15/236** (2006.01); **C07H 15/26** (2006.01)

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