

Title (en)
IMPROVED PROCESS FOR PREPARING ISEPAMICIN.

Title (de)
VERBESSERTES VERFAHREN ZUR HERSTELLUNG VON ISEPAMICIN.

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

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EP 0478707 A1 19920408 (EN)

Application
EP 90917766 A 19900619

Priority
US 36957889 A 19890621

Abstract (en)
[origin: EP0405820A2] An improved process for converting gentamicin B to isepamicin comprising forming 3,6 min -di-N-formylgentamicin B, acylating the 1-amino group with an N-protected (S)-isoserine compound and removing all the blocking groups under conditions which result in high yields of isepamicin. A novel formylating agent, 2-formylmercaptobenzothiazole, and intermediate compounds are also disclosed.

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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