

Title (en)

Process for preparing aminoglycoside derivatives, novel derivatives obtained and pharmaceutical compositions containing such derivatives.

Title (de)

Verfahren zur Herstellung von Amino-glucosidderivaten, erhaltene Derivate und diese enthaltende pharmazeutische Zusammensetzungen.

Title (fr)

Procédé de préparation de dérivés amino-glucosides, dérivés obtenus et compositions pharmaceutiques les contenant.

Publication

EP 0000473 A1 19790207 (EN)

Application

EP 78100207 A 19780621

Priority

US 80983977 A 19770624

Abstract (en)

This invention relates to a process for preparing 2 min -hydroxy-2 min - desamino-4,6-di-O-(aminoglycosyl) -1,3-diaminocyclitols having a 6 min - amino function and pharmaceutically acceptable acid addition salts thereof, to novel compounds and salts obtained by this process; and to novel antibacterially active compositions comprising such novel compounds or salts. The process comprises reacting the corresponding N-protected (except the 2 min -amino)-4,6-di-O- (aminoglycosyl)-1,3,-diaminocyclitol with hydrogen peroxide in the presence of tungstate ion, followed by cleavage of the thereby formed 2 min -oximino derivative and by reduction of the resulting 2 min -oxo derivative and by removal of the N-protecting groups. The preferred group of novel compounds obtained by this process are the 1-N- (omega -amino- alpha - hydroxyalkanoyl) -2 min -hydroxy-2 min - desamino-4,6-di-O- (aminoglycosyl)- 1,3-diaminocyclitols. The compounds obtained by the process of this invention exhibit antibacterial activity

IPC 1-7

C07H 15/22; A61K 31/70

IPC 8 full level

A61K 31/70 (2006.01); **A61K 31/7028** (2006.01); **A61K 31/7034** (2006.01); **A61K 31/7036** (2006.01); **A61P 31/04** (2006.01); **C07H 15/234** (2006.01); **C07H 15/236** (2006.01)

CPC (source: EP)

A61P 31/04 (2018.01); **C07H 15/234** (2013.01); **Y02P 20/55** (2015.11)

Citation (search report)

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DE3013210A1

Designated contracting state (EPC)

BE CH DE FR GB NL SE

DOCDB simple family (publication)

EP 0000473 A1 19790207; EP 0000473 B1 19810311; DE 2860513 D1 19810409; DK 283478 A 19781225; IT 1097278 B 19850831; IT 7824904 A0 19780623; JP S5412347 A 19790130

DOCDB simple family (application)

EP 78100207 A 19780621; DE 2860513 T 19780621; DK 283478 A 19780623; IT 2490478 A 19780623; JP 7633778 A 19780623