

Title (en)

Preparation of salts of hydroxyphosphinylureidobenzylpenicillins.

Title (de)

Verfahren zur Herstellung von Salzen von Hydroxyphosphinylureidobenzylpenicillinen.

Title (fr)

Préparation de sels d'hydroxyphosphinyluréidobenzylpénicillines.

Publication

EP 0000078 A1 19781220 (EN)

Application

EP 78200017 A 19780601

Priority

GB 2322777 A 19770601

Abstract (en)

The invention relates to a process in which a 3,5:4,6-protected derivative of L- or D-glulonic acid is prepared by contacting L- or D-gulono-1,4-lactone with an aldehyde dialkyl acetal, or with an aldehyde and an alcohol, in the presence of an acid having a pKa of less than 3. This protected derivative may be oxidised and hydrolysed to 2-keto-L- or D-gulonic acid or ester thereof, which in turn may be hydrolysed to L- or D-ascorbic acid. L-ascorbic acid is of course Vitamin C. The invention also relates to the novel intermediates produced by the above processes.

IPC 1-7

C07F 9/65; **C07D 499/68**

IPC 8 full level

C07D 499/00 (2006.01); **C07D 499/04** (2006.01); **C07D 499/64** (2006.01); **C07D 499/68** (2006.01); **C07F 9/6561** (2006.01)

IPC 8 main group level

C07F (2006.01)

CPC (source: EP US)

C07D 499/00 (2013.01 - EP US); **C07F 9/65611** (2013.01 - EP US); **Y02P 20/55** (2015.11 - EP US)

Citation (search report)

The search did not reveal any document

Designated contracting state (EPC)

BE CH DE FR GB LU NL SE

DOCDB simple family (publication)

EP 0000078 A1 19781220; **EP 0000078 B1 19800723**; DE 2860040 D1 19801113; DK 239278 A 19781202; DK 468680 A 19801104; FI 781686 A 19781202; IT 7868198 A0 19780525; JP S543093 A 19790111; US 4177189 A 19791204

DOCDB simple family (application)

EP 78200017 A 19780601; DE 2860040 T 19780601; DK 239278 A 19780530; DK 468680 A 19801104; FI 781686 A 19780526; IT 6819878 A 19780525; JP 6487078 A 19780530; US 90822178 A 19780522