

Title (en)

ALPHA-AMINO ACIDS, COMPOSITIONS AND PROCESS FOR PREPARING SAID COMPOUNDS

Publication

EP 0000035 B1 19820106 (EN)

Application

EP 78100058 A 19780601

Priority

US 80239077 A 19770601

Abstract (en)

[origin: EP0000035A1] alpha -Amino Acids, compositions and process for preparing said compounds alpha -ethynyl- and - alpha -vinyl-3,4-disubstituted pheynylalanines and esters thereof, have been prepared by reaction of methyl 3,4-dihydroxybenzoate with diphenyldichloromethane, reduction of the so obtained methyl 3,4-diphenylmethylene- dioxy- benzoate to 3,4-diphenylmethylenedioxybenzyl- alcohol, and transforming this to the benzylchloride. This 3,4-diphenylmethylenedioxybenzylchloride reacts with 1-trimethyl- silyl-N-benzylidene-3-aminoprop-1-yne to form 3-(3,4- diphenylmethylenedioxybenzyl) -1-trimethylsilyl N-benzylidene-3- aminoprop-1-yne. <??>With methyl chloroformate this compound gives 3-carbomethoxy-3- (3, 4- diphenylmethylenedioxybenzyl-1-trimethylsilyl-N-benzylidene -3-aminoprop-1-yne. <??>The benzylidene-group, the trimethylsilyl-group and the diphenyl-methylene- group are removed, which results in the formation of alpha -ethynyl- 3,4-dihydroxy- phenylalanine. The alpha -vinyl- analog is obtained by hydrogenation of an intermediate. The compounds have a pharmaceutical activity.

IPC 1-7

C07C 101/77; **A61K 31/195**; **A61K 31/215**

IPC 8 full level

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CPC (source: EP US)

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EP0008658A1; EP0007615A3; DE2827805A1; EP0309827A1; FR2724654A1; EP0008657A1; DE2827866A1; DE2827824A1; FR2401133A1; WO9608483A1

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