

Title (en)
FLUORINATED AMINES, COMPOSITIONS AND PROCESS FOR PREPARING SAID COMPOUNDS

Publication
EP 0000034 B1 19840523 (EN)

Application
EP 78100057 A 19780601

Priority
US 80238877 A 19770601

Abstract (en)
[origin: EP0000034A1] alpha -Difluoromethyl-3,4-di- OR-phenylalanines and its esters, and (1-difluoromethyl)- and 1-(trifluoromethyl)-2-(3,4-di-OR-phenyl) ethylamines, wherein R is hydrogen or a C2-C6 alkanoyl, have been prepared. Homoveratric acid is transformed into veratryl-difluoromethyl-ketone or veratryl- trifluoro- methyl- ketone, this reacts with methoxyamine, and the obtained O-methyl-oxime is reduced to the amine. The 3- and 4-methoxygroups are hydrolysed into hydroxy-groups. Reaction of veratryl- difluoromethylketone with ammonium-carbonate and sodium cyanide yields alpha -difluoromethyl-5-(3 min , 4 min -dimethoxybenzyl)-2,4-imidazolidine-dione, hydrolysis results in alpha -difluoromethyl-3- hydroxytyrosine. The compounds have Dopa-decarboxylase inhibiting activity and some of them are antihypertensive agents.

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IPC 8 full level
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Cited by
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