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The invention relates to chemistry, in particular, to a process for obtaining of R(+)-1,2,3,6-tetrahydro-4-phenyl-1-[(3-phenyl-3-cyclohexene-1-yl)methyl] of pyridine and of intermediate compounds applied in neurology and psychiatry.

It is described a process for obtaining of R(+)-1,2,3,6-tetrahydro-4-phenyl-1-[(3-phenyl-3-cyclohexene-1-yl)methyl] of pyridine by new synthesis, wherein 5-oxo-3-phenyl-3-cyclohexene carboxylic acid is transformed into the desired product, in five stages, as well as processes for obtaining of 5-oxo-3-phenyl-3-cyclohexene carboxylic acid, using zinconidine for obtaining of (S) 5-oxo-3-phenyl-3-cyclohexene carboxylic acid or a-chemotrypsin for selective hydrolysis n-butyl 5-oxo-3-phenyl-3-cyclohexenecarboxylate for obtaining of (S) 5-oxo-3-phenyl-3-cyclohexenecarboxylic acid, as well as other valuable intermediate compounds used in these processes.