

Thematic direction: Peptide synthesis. Part 2.

Getting some potentially biologically active tripeptides, through solid-phase synthesis

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Keywords: *peptides, adamantane, solid-phase synthesis, antiviral activity, a computer calculation of biological activity.*

Abstract

Some tripeptides containing a fragment of adamantane molecule were obtained by solid-phase synthesis. Adamantane fragment was specially attached to the C-end and to the N-end peptide to check the difference in biological activity of the compounds obtained. As it is sited in various literary sources there is some evidence that peptides in which N-end is modified in this or that way, do not exhibit biological activity. Modification of peptides of adamantane should enhance antiviral activity by increasing lipophilicity of the molecule and, as a consequence, increasing the degree of its affinity to the membranes of cells.