

Synthesis of New 2'-(2- and 3-Aminopropanoyl)-6',7'-dimethoxy-2',3'-dihydro-1'H-spiro[cyclopentane-1,4'-isoquinoline]-1'-carboxamides

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Abstract—6',7'-Dimethoxy-*N*-methyl-2',3'-dihydro-1'*H*-spiro[cyclopentane-1,4'-isoquinoline]-1'-carboxamide reacted with 2-bromopropanoyl chloride to give the corresponding 2-bromopropanamide which was converted to substituted 2-aminopropanoyl derivatives via reactions with cyclic secondary amines. The reaction of 6',7'-dimethoxy-*N*-methyl-2',3'-dihydro-1'*H*-spiro[cyclopentane-1,4'-isoquinoline]-1'-carboxamide with acryloyl chloride, followed by treatment of the resulting acrylamide with amines, afforded 3-aminopropanoyl derivatives.

Keywords: tetrahydroisoquinoline, 1-phenylcyclopentylmethanamine, 2-bromopropanoic acid, 4-aminobenzoic acid, acrylamide, spiro[cyclopentane-1,4'-isoquinoline].

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