adamantanis rigis aminmJavebis warmoebulebis sinTezi

adamantanSemcveli aminmJavebi da maTi warmoebulebi: marilebi organul da araorganul mJavebTan da fuZeebTan, eTerebi da amidebi xasiaTdebian antivirusuli, antimikrobuli, antiprotozoinuri da sxva aqtiurobebiT.

ganxilulia adamantanis rigis aminebis sinTezis sqemebi. Gganxorcielebulia 3-acetaminoadamantan-1-karbonmJavas, 3-acetaminofeniladamantan-1-karbonmJavas sinTezi riteris reaqciiT eleqtrofilur areSi (azotmJava, gogirdmJava, oleumi), naCvenebia moreagire reagentebis Tanafardobis, temperaturis gavlena aminmJavaTa gamosavlianobaze. Catarebulia miRebuli naerTebis hidrolizi marilmJavas areSi. naCvenebia sinTezirebuli naerTebis gamoyenebis perspeqtivebi, maT Soris peptidebis da benzimidazolebis sinTezSi.

The synthesis of adamantane containing amino acids' derivatives

Adamantane containing amino acids and their derivatives: salts with organic and inorganic acids and bases, esters and amides have a antiviral, antimicrobial, antiprotozoal and other active properties.

It is reviewed of adamantane containing amines syntheses scheme. Is carried out the syntheses of 3-acetaminoadamantane-1-carboxylic acid and 3-acetaminophenyladamantane-1-carboxylic acid via Ritter reaction in electrophilic area (nitric acid, sulfuric acid, oleum). Is showed the effect of correlation of reagents and the depend of temperature on yield of amino acids. The hydrolysis of synthesized compounds is made in hydrochloric acid area. There is revealed a perspective utilization of synthesized compounds including their using in syntheses of peptides and benzimidazoles.