4–(1–ადამანტილ)–1,2–დიამინობენზოლის ციკლიზაციის რეაქციების შესწავლა ოქსო– და კარბონმჟავათა ნაწარმებთან.

ანოტაცია

warmodgenili samuSaos mizania 4-(1-adamantil)-1,2-diaminobenzolis ciklizaciis reaqciebis Seswavla zogierT aromatul karbonmJavasTan, aminmJavasTan da aromatul aldehidTan.

adamantanis radikalis eleqtronodonoruli bunebis gamo, o-fenilendiamin–Tan SedarebiT, 4-(1-adamantil)-1,2-diaminobenzoli ufro fuZe bunebisaa, ris gamoc kondensaciis reaqciebi alifatur mJavebTan mimdinareobs rbil pirobebSi da maRali gamosavlianobiT, xolo aromatul mJavebTan mimdinareobs ufro mkacr pirobebSi, maRal temperaturaze.

Seswavlilia 4-(1-adamantil)-1,2-diaminobenzolis dihidroqloridis ciklizaciis reaqcia aromatul aldehidebTan. Eeqvimoluri TanafardobiT aRebuli moreagire komponentebis duRiliT absoluturi eTanolis areSi da miRebuli Sifis fuZis daJangviT nitrobenzolSi gamoyofilia Sesabamisi adamantilbenzimidazolebi.

STUDY OF THE CYCLZATION REACTION OF 4-(1-ADAMANTYL)-1,2-DIAMINOBENZENE WITH OXO- AND CARBOXYLIC ACIDS

The aim of the present work is to study cyclization reaction of 4-(1-adamantyl)-1,2-diaminobenzene's with some aromatic carboxylic acids, amino acids and aromatic aldehydes.

The basic properties of compound 4-(1-adamantyl)-1,2-diaminobenzene's were greater than *o*-phenylenediamine due to the electron-donor effects of an adamantyl radical and condensation reactions with aliphatic acids go comparatively soft conditions with high yield, but Cyclization with aromatic acids occurs at high temperature.

Cyclization reactions of 4-(1-adamantyl)-1,2-diaminobenzene dihydrochloride with aromatic aldehydes was studied. After boiling of the mentioned reagents with an equimolar ratio in absolute ethanol and oxidation of Schiff's Bases got in nitrobenzene medium while boiling corresponding adamantylbenzimidazoles were isolated.