

Synthesis of Di- and Triterepene Dimers on the Basis of Dihydroquinopimaric and Betulonic Acids

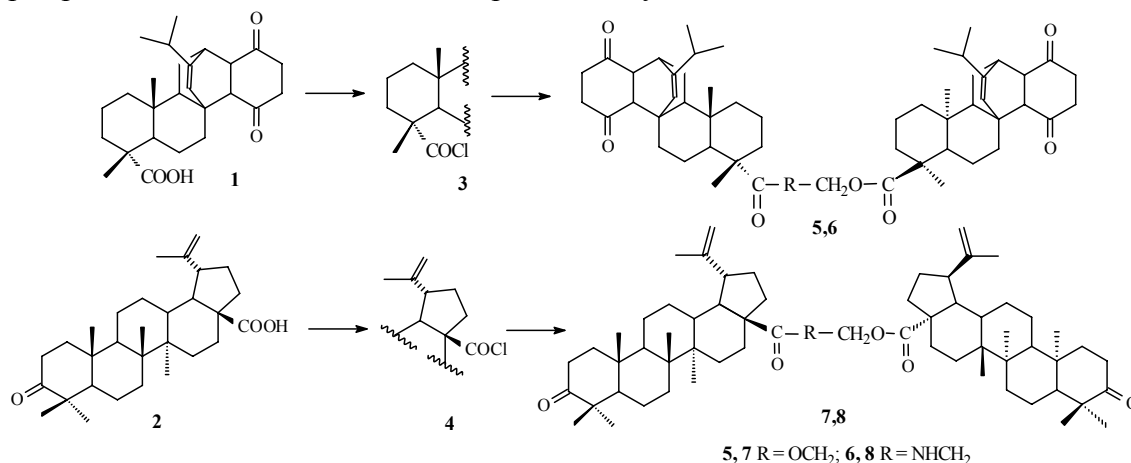
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Design of the molecular receptors, which can selectively connect with ion and/or molecular substrates by means of various molecular interactions, is one of the most exciting fields of the supramolecular chemistry. Such molecular systems have been already obtained on the basis of some steroids (for example, cholic acids [1]), kaurane diterpenes (izosteviol [2]). In this connection, the search for new compounds which are perspective to become molecular receptors, is very actual.



Here we report the synthesis of dimers obtained from available diterpenoid dihydroquinopimaric acid and triterpenoid betulonic acid. Coupling of acid chlorides **3,4** with ethyleneglycol or monoethanolamine in CCl₄ gave products **5-8** with good yields. The structure of the compounds was confirmed by NMR and mass-spectra.

[1] Pandey P.S., Rai R., Singh R.B., *J. Chem. Soc.*, Perkin Trans. 1. **2002**. 918-923.

[2] Alfonsov V.A., Bakaleynik G.A., Gubaidullin A.T. et al., *Mendeleev Commun.* **2000**. 177-178.

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