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Thematic course: Solid acid catalysts and alkoxosalts in alkylation of phenols with terpenoids. Part 1.

Alkylation of resorcinol with camphene at presence of solid acid catalysts and alkoxosalts

© Svetlana A. Popova, Irina Yu. Chukicheva,⁺ and Alexander V. Kutchin

Institute of Chemistry. Komi Science Center. Ural Branch of the Russian Academy of Sciences. Pervomaiskaya St., 48. Syktyvkar, 167982. Russian Federation. E-mail: chukicheva-iy@chemi.komisc.ru

*Supervising author; ⁺Corresponding author *Keywords:* resorcinol, camphene, alkylation, bimetallic alkoxides, sulfated zirconium, magnesium perchlorate, terpenophenols.

Abstract

Alkylation of resorcinol with camphene at presence of solid acid catalysts magnesium perchlorate and 5% sulfated zirconium, as well as bimetallic alkoxides ZrAl₂(O*i*Pr)₁₀ and TiAl₂Cl₂(O*i*Pr)₈ by different ratios substrate: reagent is carried out. The main products were obtained by 3-isobornyloxiphenol, 4- isobornylresorcinol, 4,6-diisobornylresorcinol and 6-isobornyl-3-isobornyloxophenol. Most selective for 4-isobornylresorcinol a catalyst Zr(Oi-Pr)₂(Al(Oi-Pr)₄)₂.