

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

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Abstract

Alkylation of resorcinol with camphene at presence of solid acid catalysts magnesium perchlorate and 5% sulfated zirconium, as well as bimetallic alkoxides $ZrAl_2(OiPr)_{10}$ and $TiAl_2Cl_2(OiPr)_8$ by different ratios substrate: reagent is carried out. The main products were obtained by 3-isobornylloxiphenol, 4-isobornylresorcinol, 4,6-diisobornylresorcinol and 6-isobornyl-3-isobornylloxiphenol. Most selective for 4-isobornylresorcinol a catalyst $Zr(Oi-Pr)_2(Al(Oi-Pr)_4)_2$.