

Thematic course: Alkylation of phenols by terpenes using aluminum-containing compounds. Part 3.

Alkylation of hydroquinone with β -pinene at presence of homogeneous catalysts

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Abstract

We investigated the alkylation of hydroquinone with β -pinene in the presence of aluminum phenolate and isopropoxide. The obtained results show the effect of reaction temperature and composition of the catalyst on the formation of alkylation products. So, when using aluminum phenolate, the formation of esters of chromane type is observed, and on using aluminum isopropoxide mainly mono- and disubstituted derivatives of hydroquinone are formed.