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Synthesis of amphiphilic compounds on the basis of *p-tert*-buthyl-phenol and *p-tert*-buthyl-calix[4]arene

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Abstract

For the first time, the possibility of formation of olygoethers on the basis of the reaction of *p-tert*-buthylphenol and *p-tert*-buthylcalix[4]arene with ethylene carbonate in presence of potassium and cesium carbonates has been demonstrated. It was found, that oxyethylated calixarenes obtained in such conditions have higher degree of oxyethylation than when conducting this reaction with potassium *tert*-buthylate as a base; the biggest degree of conversion was achieved in the presence of cesium carbonate.