

Unusual reactivity of aliphatic and aromatic amines with bromoalkyl derivatives of thiacalix[4]arene in 1,3-alternate stereoisomeric form

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Abstract

© ISUCT Publishing. For the first time a series of new cationic amphiphilic p-ter-butylthiacalix[4]arene derivatives adopting 1,3-alternate stereoisomeric form was synthesized by quaternization of several tertiary amines and N-heterocycles. The structure of all products was well-defined using modern physical technics. The influence of calixarene and amine sterical hindrances on reactivity is discussed.

<http://dx.doi.org/10.6060/mhc170514b>

Keywords

Quaternary ammonium salts, Supramolecular amphiphiles, Thiacalix[4]arenes

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