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Synthesis of new water soluble *p-tert*-butylthiacalix[4] arene derivatives containing quaternary ammonium fragments

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Abstract

p-tert-Butylthiacalix[4]arenes tetrasubstituted at the lower rim containing primary amino groups, quaternary ammonium and cyclic amide fragments have been synthesized. It has been shown that the formation of cyclic amide fragments in thiacalix[4]arenes occurs in the case of aliphatic diamines with ethylene bridge fragments.