

Synthesis of mono- and 1,3-disubstituted at the lower rim thiacalix[4]arenes containing photoswitchable 4-amidoazobenzene fragment

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Abstract

New mono- and 1,3-disubstituted at the lower rim *p-tert*-butylthiacalix[4]arenes containing 4-amidoazobenzene fragment were synthesized. By the electron spectroscopy method, the E/Z-isomerization of the obtained macrocycles was demonstrated. It has been established that the rate of Z/E-isomerization depends on the number of functional groups (one or two groups) and, conversely, for the E/Z, it is independent.