

## **p-tert-butyl thiacalix[4]arene derivatives functionalized in the lower rim with bis(3-aminopropyl)amine: Synthesis and interaction with DNA**

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### **Abstract**

© ISUCT Publishing. New tetrasubstituted derivatives of thiacalix[4]arene functionalized with bis(3-aminopropyl)amide fragments at the lower rim in the cone and 1,3-alternate conformations have been synthesized. It was demonstrated that the synthesized thiacalix[4]arenes derivatives interact with DNA resulting in a shift in absorption maxima to 257 nm with clear isosbestic point at 300 nm.

<http://dx.doi.org/10.6060/mhc140722s>

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### **Keywords**

DNA, Macrocycles, Molecular recognition, Synthesis, Thiacalix[4]arene