

Russian Chemical Bulletin 2009 vol.58 N1, pages 145-151

---

## Thiacalix[4] arenes with terminal thiol groups at the lower rim: Synthesis and structure

Tyufin A., Solovieva S., Murav'Ev A., Polyantsev F., Latypov S., Antipina I.  
*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

---

### Abstract

Methods were developed for the synthesis of  $\omega$ -mercaptoalkoxy derivatives of thiacalix[4]-arenes in the 1,3-alternate conformation containing different numbers (2-5) of methylene spacers at the lower rim. The hydrazinolysis of the corresponding thioacetates is the most efficient method for the synthesis of these compounds. © 2009 Springer Science+Business Media, Inc.

<http://dx.doi.org/10.1007/s11172-009-0022-6>

---

### Keywords

1,3-alternate stereoisomer, Bromo derivatives, Lower rim, Mercapto derivatives, Thiacalix[4]arenes, Thiols