Thematic Section: Preparative Chemistry	C	Full Paper
---	---	-------------------

Subsection: Supramolecular Chemistry.

Registration Code of Publication: 12-31-8-1

Publication is available for discussion in the framework of the on-line Internet conference "*Butlerov readings*". http://butlerov.com/readings/

Contributed: September 17, 2012.

Synthesis of Schiff bases based on *p-tert*-butylthiacalix[4] arene in *1,3-alternate* conformation

© Andrey V. Galukhin, Evgeny N. Zaikov, Igor S. Antipin, Alexandr I. Konovalov, Ildar Kh. Rizvanov, and Ivan I. Stoykov 1,3

Alexandr I. Konovalov, Ildar Kh. Rizvanov, and Ivan I. Stoykov^{1,3}

Department of Organic Chemistry. A.M. Butlerov Institute of Chemistry, KFU.

Kremlevskaya St., 18. Kazan, 420008. Tatarstan. Russia.

Phone: +7 (843) 233-74-62. E-mail: and_galuhin@mail.ru

Arbuzov Institute of Organic and Physical Chemistry. Kazan Research Center, Russian Academy of Sciences. Akademik Arbuzov St., 8. Kazan 420088. Tatarstan. Russia.

Kazan Institute of Biochemistry and Biophysics. Kazan Scientific Center, Russian Academy of Sciences.

Lobachevsky St., 2/31. Kazan, 420111. Tatarstan. Russia.

*Supervising author; *Corresponding author

Keywords: thiacalixarene, Schiff bases, azomethines.

Abstract

A new series of Schiff bases based on *p-tert*-butylthiacalix[4]arene in the 1,3-alternate conformation which are potential receptors for cations of the *p*- and *d*-elements have been synthesized and characterized.