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Synthesis and fluorescence properties of 1,3-di- and tetrasubstituted at the lower rim thiacalix[4]arenes containing naphthyl fragments

© **Alena A. Vavilova**,[1] **Olga A. Mostovaya**,[1] **Roman V. Nosov**,[1]
Anna N. Yagarmina,[1] and **Ivan I. Stoikov**[1,2]*[+]

[1] *Department of Organic Chemistry. A.M.Butlerov Chemical Institute. Kazan (Volga Region) Federal University. Kremlevskaya St., 18. Kazan, 420008. Tatarstan Republic. Russia.*
Phone: +7 (843) 233-74-62. E-mail: ivan.stoikov@mail.ru
[2] *Kazan Institute of Biochemistry and Biophysics, Russian Academy of Sciences. Lobachevskogo St., 2/31. Kazan, 420111. Tatarstan Republic. Russia.*

*Supervising author; [+]Corresponding author

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Abstract

A new 1,3-disubstituted at the lower rim thiacalix[4]arene containing 1-amidonaphthyl fragment has been synthesized – new precursor for fluorescent supramolecular probes. It has been shown that functionalization of proposed precursor by ethyl bromoacetate led to the increase of thiacalix[4]arene fluorescence intensity.