Thematic Section: Preparative Chemistry		_Full Paper
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Subsection: Organic Chemistry. Registration Code of Publication: 13-33-1-61

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

Contributed: December 19, 2012.

trans-2-[2-(1-Naphtyl)vinyl]- and trans-2-[2-(2-fluorenyl)vinyl]-3-phenyl-3H-quinazolin-4-ones: synthesis and photo-physical properties

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Keywords: styryl dyes, photoluminescence, styrylbenzazines, quinazolin-4-ones, 2-methyl-3, 1-benzoxazin-4-one, (aryl) methylenephenylamines.

Abstract

Synthesis of novel styrylquinazolinones has been performed by means of transformation of hetero-ring of 2-methyl-3,1-benzoxazin-4-ones under the action of (naphtalin-1-yl)- and (9*H*-fluoren-2-yl)-methylenephenylamines upon heating under reflux in glacial acetic acid in the presence of sodium acetate. Adsorption and fluorescence spectra of compounds obtained have been studied.