Thematic Section	: Preparative Chemistry.			Brief	Com	ımunicati	ion
~ .		_	 				

Subsection: Organic Chemistry. Registration Code of Publication: 13-36-10-157
Publication is available for discussion in the framework of the on-line Internet conference "Butlerov readings".

http://butlerov.com/readings/ Contributed: October 3, 2013.

## Imines in reactions with 1,3-dioxolane

## © Lidia P. Yunnikova,\* \* Nadezhda N. Yaganova, and Irina D. Yakimova

Acad. D.N. Pryanishnikov Perm State Agricultural Academy. Petropavlovskaya St., 23. Perm, 614990. Russian Federation. Phone: +7 (342) 212-95-68. E-mail: yunnikova@yahoo.com

\*Supervising author; \*Corresponding author

**Keywords:** imines, 1,3-dioxolane, 4,4<sup>1</sup>-bis(arylmethyleneamino)diphenylmethanes.

## **Abstract**

Interaction of 1,3-dioxolane with *N*-benzylidene-4-nitroaniline in the presence of zinc chloride and concentrated hydrochloric acid is accompanied by the formation of *N*-benzyl-4-nitroaniline. However, 1,3-dioxolane is a condensing agent for *para*-substituted *N*-arylmethyleneanilines in a medium of trifluoroacetic acid and benzene. Reaction of the said compounds results in the formation of 4,4-bis(arylmethyleneamino)diphenylmethanes.