

# Synthesis of 2-Arylpyrrolidines by Reactions of 3-Arylidene-1-pyrrolines with Phenols

A. V. Smolobochkin<sup>a\*</sup>, A. S. Melyashova<sup>a</sup>, A. S. Gazizov<sup>a</sup>, A. R. Burilov<sup>a</sup>, and M. A. Pudovik<sup>a</sup>

<sup>a</sup> *Arbuzov Institute of Organic and Physical Chemistry, Kazan Scientific Center of the Russian Academy of Sciences, ul. Akademika Arbuzova 8, Kazan, Tatarstan, 420088 Russia*

*\*e-mail: smolobochkin@iopc.ru*

Received June 7, 2018

**Abstract**—The reaction of 3-arylidene-1-pyrrolines with phenols yielded 2-arylpyrrolidines. The proposed method makes it possible to obtain pyrrolidines containing a phenol fragment in the position 2 in high yields and under mild conditions.

**Keywords:** 3-arylidene-1-pyrroline, phenols, 2-arylpyrrolidines

**DOI:** 10.1134/S107036321809030X