

# Synthesis of Pyridazinedione Derivatives Starting from Anhydrides of 2,3-Pyridine- and 2,3-Quinolinedicarboxylic Acids

I. M. Sakhautdinov<sup>a</sup>, O. R. Tukhvatullin<sup>a</sup>, A. A. Fatykhov<sup>a</sup>, and F. Z. Galin<sup>a,b</sup>

<sup>a</sup>*Institute of Organic Chemistry, Ufa Scientific Center, Russian Academy of Sciences, Ufa, 450054, Russia; e-mail: ims@anrb.ru*  
<sup>b</sup>*Bashkir State University, Ufa, Russia*

Received June 2, 2009

**Abstract**—A method was developed of preparation of heterocyclic compounds with pyridopyridazinoisoquinalinedione and isoquinopyridazinoquinalinedione structures formed regioselectively by intramolecular cyclization of phosphorus ylides containing pyridopyridazinedione and pyridazinoquinolinedione fragments.

**DOI:** 10.1134/S1070428010050210