

# Alkylation of Pyrazoles with Ethyl Chloroacetate under Phase-Transfer Catalysis and Hydrolysis of the Esters Obtained

V. I. Rstakyan, A. E. Hakobyan, G. B. Zakaryan,  
S. S. Hayotsyan, H. S. Attaryan, and G. V. Asratyan

*Institute of Organic Chemistry, Scientific-Technological Center of Organic and Pharmaceutical Chemistry,  
National Academy of Sciences of Armenia, pr. Azatutyan 26, Yerevan, 0014 Armenia  
e-mail: vrstakyan@gmail.com*

Received March 12, 2014

**Keywords:** phase-transfer catalysis, pyrazole, alkylation, ester

**DOI:** 10.1134/S1070363214080350