

# Reaction of 2-(Benzenesulfonyl)-5-(*p*-chlorobenzenesulfonyl)-4-tosyl-1,3-thiazole with O-, N-, S-, and C-Nucleophiles

K. V. Turov and B. S. Drach

*Institute of Bioorganic Chemistry and Petrochemistry, National Academy of Sciences of Ukraine,  
ul. Murmanskaya 1, Kiev-94, 02660 Ukraine  
e-mail:drach@bpci.kiev.ua*

**Abstract**—2-(Benzenesulfonyl)-4-tosyl-1,3-thiazole was synthesized starting from the available 2,2-dichloro-1-tosylethenyl isothiocyanate. The product is a pronounced electrophilic substrate feasible for investigation of the order of nucleophilic substitution at the C<sup>2</sup>, C<sup>4</sup>, and C<sup>5</sup> centers of the thiazole ring. Different nucleophilic agent first attack the C<sup>2</sup> atom. After that S-nucleophiles react with C<sup>5</sup>, while O- and N-nucleophiles, with C<sup>4</sup>.

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