

Synthesis and antibacterial activity of 1-[alkyl(aryl)sulfonyl]-1*H*-azoles

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Abstract

Dependence of antibacterial properties of 1-[alkyl(aryl)sulfonyl]-1*H*-azoles from structure sulfonic acid and a heterocycle has been studied. Influence of lipophilicity, value dipole moment, distribution of electronic density of connections, and also solvent to their antibacterial activity is discussed. Prospective mechanisms of antibacterial action 1-[alkyl(aryl)sulfonyl]-1*H*-azoles have been described.