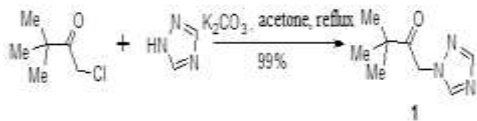


a 2016 0146

The invention relates to organic chemistry, namely to a process for preparation of 3,3-di-methyl-1-(1*H*-1,2,4-triazol-1-yl)butan-2-one – an intermediate for the synthesis of biologically active substances with antituberculous or fungicidal activity.

Summary of the invention consists in that 1,2,4-triazole is alkylated with 1-chloro-3,3-dimethyl-2-butan-2-one in the acetone/ K_2CO_3 system, according to the scheme:



The reaction mixture is boiled for 5...7 hours, the acetone solution is separated from the formed precipitate, the acetone is distilled off, the residue is extracted with boiling hexane, from which pure product (1) is precipitated upon cooling. The reaction runs in one step, in a shorter time and with a high yield (99%) compared to analogue processes.

Claims: 1