

A method for the preparation of 5-((2,4-dichlorobenzyl)thio)-1,3,4-thiadiazol-2-amine of the general formula, which has a diuretic effect, whereby to a suspension of 0.004 mol of 2-amino-5-mercapto-1,3,4-thiadiazole in 10 mL of ethanol, an equivalent amount of KOH in 2-3 mL of ethanol is added and 0.0044 mol of benzyl chloride, several KI crystals are added to the resulting potassium salt solution and boiled under reflux condenser for 2 hours. Then the contents of the flask are cooled, the reaction product is filtered off, washed successively with ethanol, water, and ethanol again, dried, and recrystallized from ethanol (m.p. 132-134 °C, 82 % yield).