

Method for preparing 3-iodo-4-phenyl-2,3,4-trihydro-1,1-dioxothiazino[2,3-b]benzimidazole comprises the stage of oxidizing the starting sulfide compound with hydrogen peroxide. First, an alcohol solution of 3-iodo-4-phenyl-2,3,4-trihydrothiazino[2,3-b]benzimidazole cooled to 1-5 °C is prepared, to which hydrogen peroxide is added in a 1:10 ratio. The synthesis is carried out in the presence of a catalyst, followed by isolation of the target product by adding a 10% aqueous solution of sodium hydrogen sulfite; the resulting substance is identified as 3-iodo-4-phenyl-2,3,4-trihydro-1,1-dioxothiazine [2,3-b]benzimidazole. The synthesis is carried out in the presence of a $K_2WO_4 \cdot 2H_2O$ catalyst (4:1), with ethanol used as the solvent; the reaction mixture is left to stand for 110-120 hours.