

Method for obtaining 3-bromo-4,4-dimethyl-3,4-dihydro-2H-benzo[4,5]imidazo[2,1-b][1,3]thiazine-1,1-dioxide involves the cyclization of 2-(2,3-dibromopropyl)thiobenzimidazole sulfone in the presence of sodium acetate in chloroform under continuous stirring. First, solution of dibromide sulfon in dimethyl sulfoxide, cooled to 5-10 °C, is prepared; sodium acetate is then added in a molar ratio of 1:10, and the reaction is carried out under stirring for 30-50 min. After the synthesis is complete, resulting crystalline precipitate is filtered, rinsed with diethyl ether, and dried.