

94-0135

The proceeding of obtaining the isomer mixture of synthetic pyrotroizi (piretroizi)

The use: in agriculture, because it manifests insecticide activity. The summary: the method of obtaining the new isomer mixture of synthetic pyrotroizi with the general formula:



where X₁ chlorine, bromine that contains at least 95% mass of the enantiomeric pairs IR cis S, IS cis R (a), IR trans S and IS trans R (b) into a mass report from 55:45 till 25:75.

The efficiency constitutes 70-80% of the product.

The melting temperature of the product, the mass report of the isomer 1a:1b is 55:45, 50:50, 40:60, 30:70, 25:75, is equal with 61,5 - 64, 60,5-62, 63,5-65, 65-68, 67-71,5°C. In the melted mass or in the saturated solution of mixer of the enantiomeric pairs IR cis S, IS cis R (1a) and IR trans S, IS trans R (ab) and IR cis R, IS cis S (1c), IR trans R, IS trans S (1b) in primary alcohol or a mixture of haloid hydrocarbon saturated and primary and with primary alkylek ether so as oil-bearing ether or hexane. For initiation crystals are added and the crystallization is made at the temperature from (+) 30 till (-) 10°C with the further separation at the indicated temperature of the pair enantiomerik crystals that contain 1a and 1b.