Abstracts

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TRANSFORMATION ON the BASE OF NORFLUOROCURARINE

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Nowadays a question of modification natural materials of easy to isolation for reception on their basis new bioactivic compounds becomes more actual. One of perspective substance in this respect is norfluorocurarine (vincanine) **(1)** - the basic alkaloid of plant *Vinca erecta*. The purpose of the present work is norfluorocurarine transformation for obtaining new derivants.

Norfluorocurarine **(1)** at reduction forms is bisindolic alkaloids **(2, 3)**. N(β)-methyldihydrodesfluorocurarine **(4)** (obtained by hydrogenation N(β)-methylnorfluorocurarine) is derived in disclosing of ring ***D*** with opening of bond N4-C21 **(5)**. Norfluorocurarine at interaction by hydroxylamine forms oxime of norfluorocurarine **(6)**, at its processing by ethyl alcohol is formed 2-oxy-2,16-dihydroanhydrooximnorfluorocurarine **(7)**. At acidification of **7** alcohol muriatic acid descends a dehydration of bond C2-C16 and hydrochloride of anhydrooximnorfluorocurarine **(8)** yielded. At response norfluorocurarine with phenylhydrazine in acid medium is obtained with disclosing the indol nucleus **(9)**.