18th Biotechnology Congress

October 19-20, 2017 | New York, USA

0RQR DQG GLSHSWLGH GHULYDWLYHV RI $PLQR .DQGURVWD

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Saturated and unsaturated 17 -aminosteroids are used as intermediates to synthesize biologically active derivatives. Peptide analog of aminosteroids with various physiological activities such as anti-tumor and anti-arrhythmic have been found, were prepared by adding amino acids to aminosteroids. Mono- and dipeptide derivatives of 17 -amino-5 -androstan-3 -ol were synthesized by N-acylation with N-protected amino acids (N-Cbz-L-Ala-Bt, N-Cbz-L-Val-Bt, N-Cbz-L-Phe-Bt and N-Cbz-L-Ala-L-Val-Bt) and their antiviral activity have been studied. Starting amine, which exhibited anti-arrhythmic activity, was prepared from steroidal saponin - tigogenin using the method developed by us. To conclude, N-protected (-aminoacyl) benzotriazoles have been utilized in the successful N-acylation of steroidal amines. Studies of antiviral activities (NIAID) of synthesized mono- and dipeptide derivatives did not reveal signi cant activities

Biography

1DQXOL 6K 1DGDUDLD KDV FRPSOHWHG KHU 3K' IURP 0HQGHOHHY 0RVFRZ &KHPLFDO 7HFKQRORJLFDO ,QVWLWXWH +HU ¿HOG RI LQWHUHVW LV FKHPLVWU\ DQG V\QWKHVLV RI ELRORJLFDOO\ DFWLYH FRPSRXQGV 6KH LV WKH LQWHUQDWLRQDO VFLHQWL¿F FRQIHUHQFHV

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